

Draft Environmental Impact Report

SCH# 2021060079

Volume 3

Appendices E through H

ROSAMOND SOUTH SOLAR PROJECT by Golden Fields Solar IV, LLC (PP19151)

Specific Plan Amendment No. 40, Map No. 231
Specific Plan Amendment No. 33, Map No. 232
 Zone Change Case No. 157, Map No. 231
 Zone Change Case No. 43, Map No. 232
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Specific Plan Amendment No. 31, Map No. 32 (circulation)
 Nonsummary Vacations Map No. 231
 Nonsummary Vacations Map No. 232



Kern County
Planning and Natural Resources Department
Bakersfield, California

July 2022

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Kern County
Planning and Natural Resources Department
Bakersfield, California

Technical Assistance by:
Kimley-Horn

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Appendices – Volume 3

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Appendix E

Phase 1 Cultural Resources Report

**PHASE I SURVEY,
ROSAMOND SOUTH SOLAR PROJECT,
KERN COUNTY, CALIFORNIA**

Prepared for:

Ms. Jaymie Brauer
Quad Knopf, Inc.
5080 California Ave., Suite 400
Bakersfield, CA 93309

Prepared by:

David S. Whitley, Ph.D., RPA
Principal Investigator

and

Peter A. Carey, M.A., RPA
Associate Archaeologist

ASM Affiliates
20424 West Valley Blvd., Suite A
Tehachapi, California 93561

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MANAGEMENT SUMMARY

An intensive Phase I cultural resources survey was conducted for the Rosamond South Solar Project study area, Kern County, California. This study was conducted by ASM Affiliates, Inc., with David S. Whitley, Ph.D., RPA, serving as principal investigator. Background studies and fieldwork for the survey were completed in November 2020 through March 2021. The study was undertaken to assist with compliance with the California Environmental Quality Act (CEQA).

A records search of site files and maps was completed on December 27, 2020, at the Southern San Joaquin Valley Information Center (IC), California State University, Bakersfield. This indicated that 29 previous surveys had covered portions of the study area and that 13 cultural resources (11 archaeological sites, structures or features; and 2 isolated artifacts), all historical/Euro-American in origin, were known to exist within it. Additionally, 23 previous studies had been completed within 0.5-miles (mi) of the study area, with 59 previously recorded cultural resources known within that same radius. Four of these are prehistoric/Native American archaeological sites, 17 are isolated prehistoric artifacts, and the remainder are historical/Euro-American sites and isolated artifacts. In addition to the records search, a search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed on December 18, 2020. Based on the NAHC records, no sacred sites or traditional cultural places had been identified within or adjacent to the study area.

The Phase I survey fieldwork was conducted in January – March 2021, with parallel transects spaced at 15-meter (m) intervals walked across the study area. The total study area survey was approximately 1,292-acres (ac). Six of the 11 previously recorded sites/structures/features and the two isolated artifacts could not be relocated and are assumed to have been destroyed since originally documented. The site records for the five extant previously recorded sites were updated and the conditions of the sites assessed. Five new sites and eight isolated artifacts were also identified and recorded during the survey. The five newly identified sites are all historical/Euro-American in origin. They include one alfalfa farm field complex and four refuse scatters. The eight isolated artifacts are all single prehistoric/Native American lithic flakes/debitage. There are, accordingly, a total of 10 extant archaeological sites within the Project study area, all of which are historical/Euro-American in origin. These include six refuse scatters (P-15-14593, -14597 and QKRS-SITE-2, -3, -4 and -5), one burned-down building (P-15-14902), one concrete equipment foundation (P-15-14907), one mid-to late-twentieth century alfalfa farm (QKRS-SITE-1), and one dirt two-track road (P-15-14598).

The isolated artifacts recorded previously and during the survey are categorically not eligible to the CRHR and do not constitute significant cultural resources. The six refuse scatters are common property types, of mixed ages, that lack associative context and are thus are not significant cultural resources. They are recommended as not eligible for the California Register of Historical Resources (CRHR). Although recorded as a cultural resource, the concrete equipment foundation, a contemporary/modern electrical box foundation, does not constitute a cultural resource and is not CRHR eligible. The two-track dirt road is contemporary/modern in age and is not CRHR eligible. The mid-twentieth century alfalfa farm field complex is a common property type that lacks context and significance and is recommended as not CRHR eligible. The burnt structure, a

vernacular house foundation located within a gen-tie route, dates to the 1930 - 1940s and may be associated with the 1926 homestead of James H. Hill. Although Hill is not a historically prominent individual, the homestead itself and the construction of the structure reflect a significant historical event: the Depression-era settlement of the western Mojave Desert. Although the structure has been burned down and no longer retains architectural integrity, the archaeological component of this site has the potential to contribute to our knowledge of this early period of regional history, and it may be CRHR eligible for that possibility. It is recommended that this site be preserved by stringing the gen-tie line over it, or that a Phase II test excavation and determination of significance be conducted on it.

1. INTRODUCTION AND REGULATORY CONTEXT

ASM Affiliates was retained by Quad Knopf, Inc., to conduct an intensive Phase I cultural resources survey for the Clearway Rosamond South Solar Project study area, Kern County, California. The purpose of this investigation was to assist with compliance with the California Environmental Quality Act (CEQA). The Kern County Planning and Natural Resources Department is the CEQA lead agency for this Project.

This current investigation included:

- A background records search and literature review to determine if any known cultural resources were present in the project zone and/or whether the study area had been previously and systematically studied by archaeologists;
- An on-foot, intensive inventory of the study area to identify and record previously undiscovered cultural resources and to examine known sites; and
- A preliminary assessment of any such resources found within the subject property.

This study was conducted by ASM Affiliates, Inc., of Tehachapi, California, in November 2020 – April 2021. David S. Whitley, Ph.D., RPA, served as principal investigator, and ASM Associate Archaeologist Robert Azpitarte, B.A., served as crew chief, with assistance in the field from ASM Assistant Archaeologists Donna Buehler, B.A., Maria Silva, B.A., Sarah Richards, B.A., and Maggie Lemos, B.A.

This manuscript constitutes a report on the Phase I survey. Subsequent chapters provide background to the investigation, including historic context studies; the findings of the archival records search; a summary of the field surveying techniques employed; and the results of the fieldwork. We conclude with management recommendations for the study area.

1.1 STUDY AREA LOCATION AND DESCRIPTION

The 1,292-ac Rosamond South Solar study area is located on the open flats of the Antelope Valley, a western extension of the Mojave Desert, immediately west of the City of Rosamond (Figure 1). The study area consists of four discontinuous blocks corresponding to four Conditional Use Permit (CUP) applications (Figures 2 – 4). The four blocks differ in configuration and range in size from about 70.99-ac to 541.16-ac.

All four blocks are located south of Rosamond Boulevard, between 90th Street West, on the east, and 170th Street West on the west. Generation-tie (gen-tie) lines, generally following existing county roads, would connect the blocks with existing sub-stations.

Elevation within the study area ranges from about 2,500 to 2,600 feet (ft) above mean sea level (amsl). Although a few parcels within the Project study area contain existing structures that would be removed, the study area may be characterized as undeveloped open or agricultural lands surrounded by similar landscape containing low density rural housing and renewable energy projects.

1.2 PROJECT DESCRIPTION

The Project would consist of the construction and operation of a utility-scale solar photovoltaic electricity generation and energy storage facility that would produce up to 154 MW and up to 200 MW of battery energy storage capacity. The Project would utilize existing electrical transmission infrastructure that was built as a component of the existing adjacent solar projects. Project components would include:

- Solar field with arrays of solar PV panels that are generally up to 14-ft above ground surface. Panels would be arranged in 10- to 20-ft-wide rows oriented north to south. The panels themselves would be in landscape or portrait orientation and would be either fixed tilt or mounted on single-axis trackers;
- Battery Energy Storage System facility;
- Up to 4 Project substations;
- Inverters, combiners, and transformers;
- Overhead and buried conductors;
- Onsite medium-voltage (34.5-kilovolt [kV]) collection lines;
- Approximately a combined 29-mi of gen-tie line to the existing overhead 230-kV gen-tie line interconnecting with the privately-owned Teddy Substation located on the adjacent Rosamond Solar Project and Southern California Edison's Whirlwind Substation, located approximately 3-mi west;
- Permanent onsite, unpaved access roads, consisting of 20-ft-wide interior access roads
- Telecommunications system, including an approximately 200-ft tall communications tower;
- Operations and Maintenance (O&M) Building facility
- Security fencing, up to 7-ft in height and including three strands of barbed wire, located along the site perimeter;
- Stormwater retention basins; and
- Temporary construction laydown areas, equipment, and structures.

1.3 REGULATORY CONTEXT

1.3.1 California Environmental Quality Act

CEQA is applicable to discretionary actions by state or local lead agencies. Under CEQA, lead agencies must analyze impacts to cultural resources. Significant impacts under CEQA occur when "historically significant" or "unique" cultural resources are adversely affected, which occurs when such resources could be altered or destroyed through project implementation. Historically significant cultural resources are defined by eligibility for or by listing in the California Register of Historical Resources (CRHR). In practice, the federal NRHP criteria for significance applied under Section 106 are generally (although not entirely) consistent with CRHR criteria (see PRC § 5024.1, Title 14 CCR, Section 4852 and § 15064.5(a)(3)).

Significant cultural resources are those archaeological resources and historical properties that:

- (A) Are associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
- (B) Are associated with the lives of persons important in our past;
- (C) Embody the distinctive characteristics of a type, period, region, or method of construction, or represent the work of an important creative individual, or possess high artistic values; or
- (D) Have yielded, or may be likely to yield, information important in prehistory or history.

Unique resources under CEQA, in slight contrast, are those that represent:

An archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- (1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
- (2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.
- (3) Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC § 21083.2(g)).

Preservation in place is the preferred approach under CEQA to mitigating adverse impacts to significant or unique cultural resources.

1.3.2 Kern County General Plan

The policies, goals, and implementation measures in the Kern County General Plan that pertain to cultural resources are provided below.

1.10.3 Archaeological, Paleontological, Cultural, and Historical Preservation (General Provisions in the Land Use, Open Space, and Conservation Element)

Policy

Policy 25: The County will promote the preservation of cultural and historic resources that provide ties with the past and constitute a heritage value to residents and visitors.

Implementation Measures

- Measure K: Coordinate with the California State University, Bakersfield's Archaeology Inventory Center.
- Measure L: The County shall address archaeological and historical resources for discretionary projects in accordance with CEQA.
- Measure N: The County shall develop a list of Native American organizations and individuals who desire to be notified of proposed discretionary projects. This

notification will be accomplished through the established procedures for discretionary projects and CEQA documents.

- Measure O: On a project-specific basis, the County Planning Department shall evaluate the necessity for the involvement of a qualified Native American monitor for grading or other construction activities on discretionary projects that are subject to a CEQA document

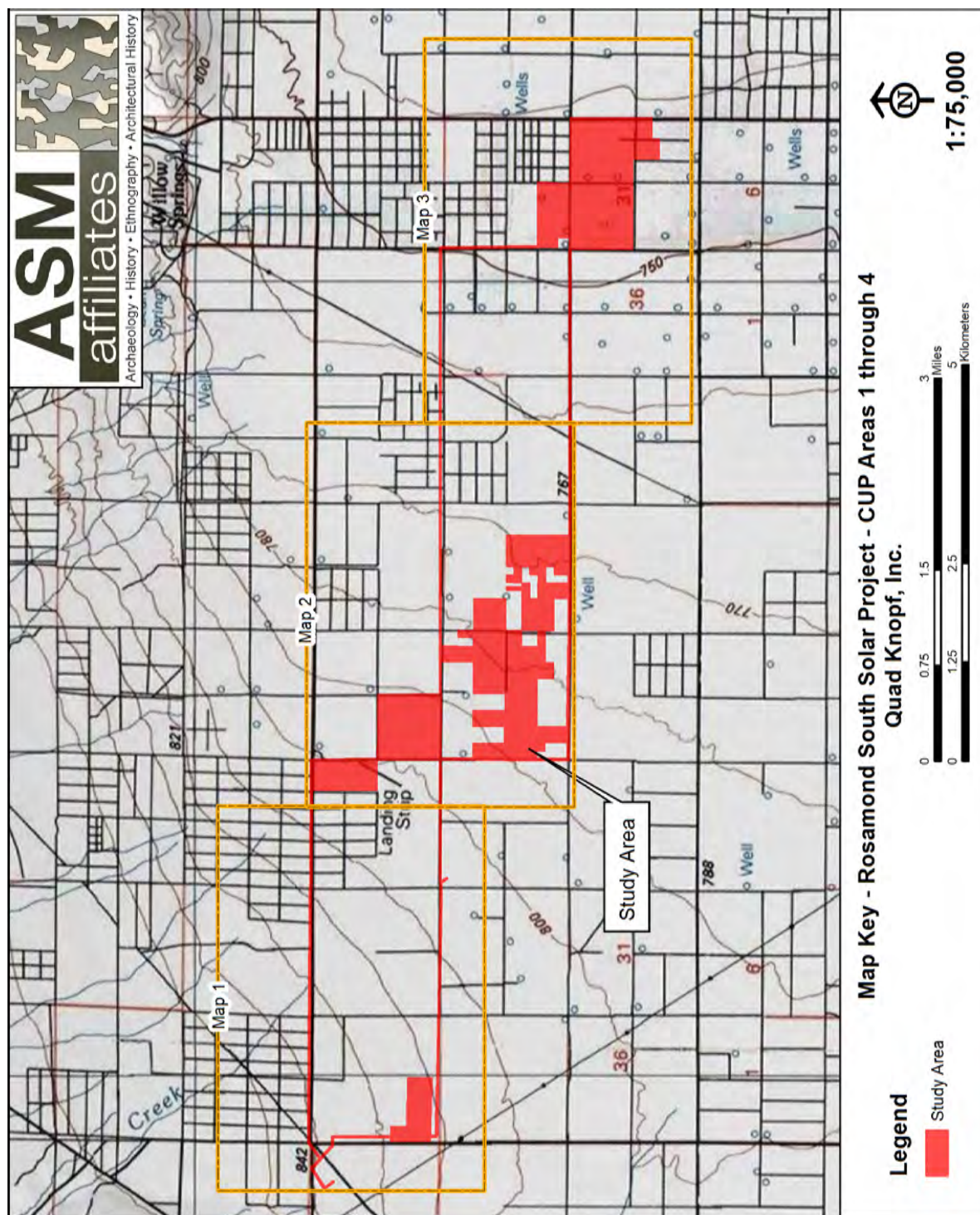


Figure 1. Location of the Rosamond South Solar Project study area, Kern County, California. Map Key.



Figure 2. Map 1: CUP – 1 and gen-tie line routes.

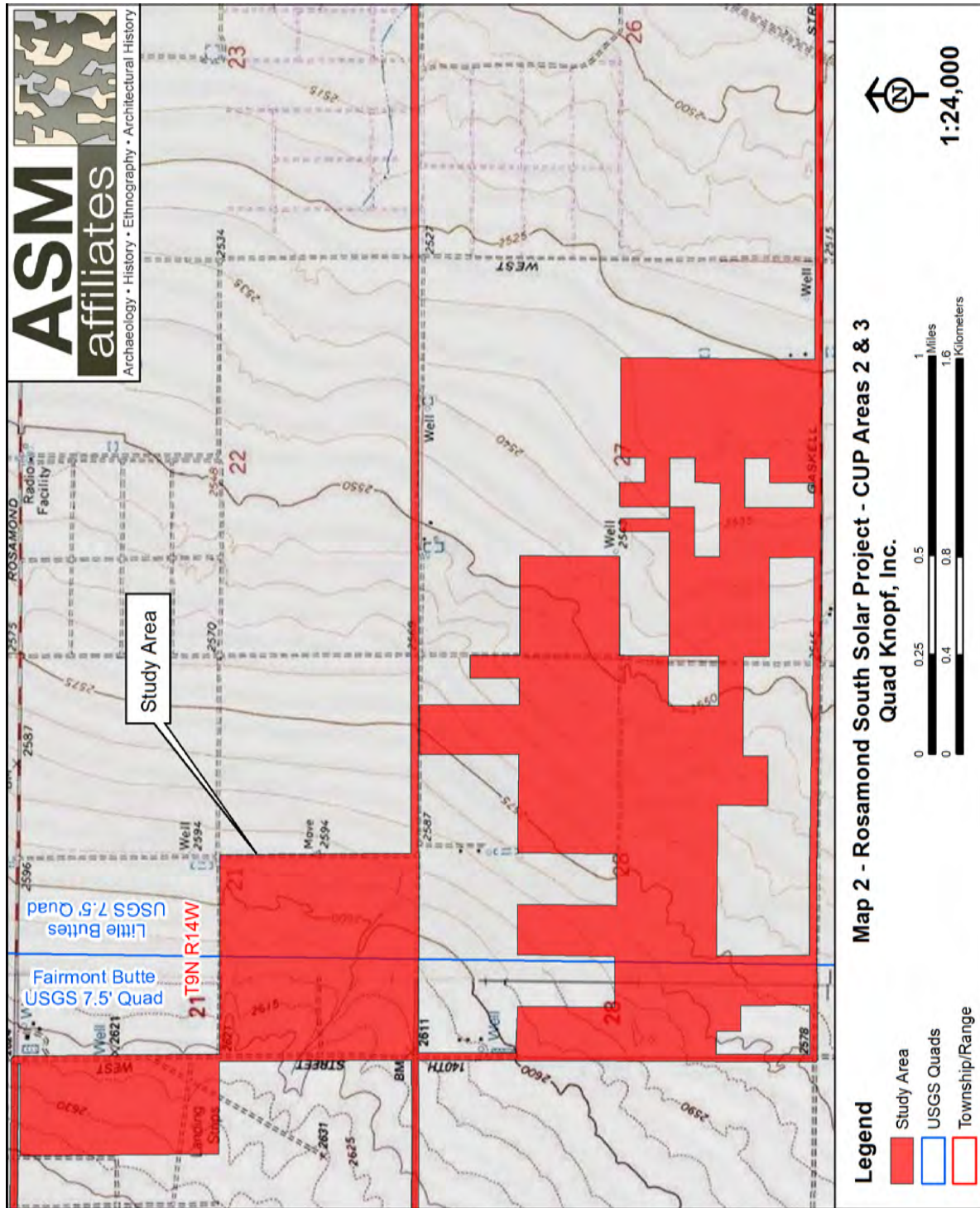


Figure 3. Map 2: CUP – 2 (northern two blocks), CUP – 3 (larger southern block), and gen-tie line routes.

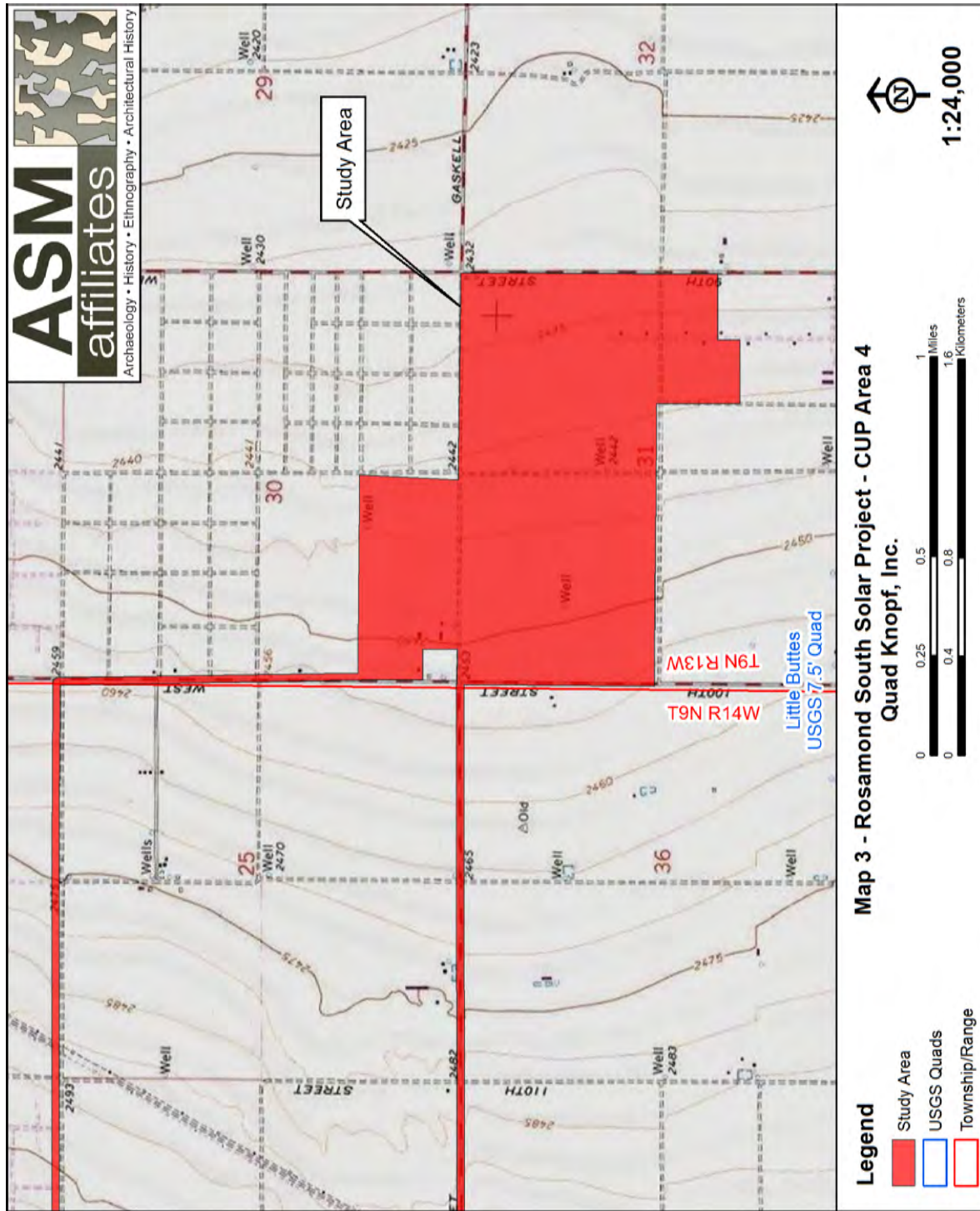


Figure 4. Map 3: CUP – 4 and gen-tie line routes.

2. ENVIRONMENTAL AND CULTURAL BACKGROUND

2.1 ENVIRONMENTAL SETTING

The proposed Project would be located in southeastern Kern County, California, about 50 miles (mi) southeast of the City of Bakersfield and immediately west of the unincorporated/census designated community of Rosamond, in the western portion of the Antelope Valley. The Antelope Valley is within the west Mojave Desert and is bounded by the Tehachapi Mountains to the northwest and the San Gabriel Mountains to the southwest. Annual average precipitation in the nearby town of Mojave is approximately 6 inches (in), with January, February, and March receiving nearly half the annual rainfall (ASM Affiliates 2020). The average low temperature is 32 degrees Fahrenheit (°F) in December, and the average high temperature is 97°F in July.

The Antelope Valley is within the South Lahontan Basin, which is considered an isolated watershed (i.e., it is not hydrologically connected to other wetlands or water bodies). Soils in the Project area are generally well drained sandy loams and loamy sands with negligible to moderate runoff rates (ibid).

The study area may be characterized as primarily undeveloped open or agricultural lands, with a few parcels containing single-family residences that will be removed. It is surrounded by similar landscape containing low-density rural housing and renewable energy projects. Vegetation currently consists of a low-density cover of introduced grasses, shadscale, winter fat, and hopsage (Figures 5 and 6). Prior to historical/recent disturbance, the study area most likely would have supported shadscale scrub plant communities (cf. Schoenherr 1992).



Figure 5. Rosamond South Solar Project study area overview, looking southeast.



Figure 6. Gen-tie route along Rosamond Boulevard, looking east.

2.2 ETHNOGRAPHIC BACKGROUND

The western Mojave Desert and environs were poorly reported in the early ethnographic summaries (cf. Kroeber 1925). More recently, Earle (1990, 2003, 2005), in particular, has provided a synthesis for the region, and a summary of his recent ethnohistorical conclusions provide an appropriate overview for the aboriginal history of the region.

According to Earle's reconstruction, the western Mojave was inhabited during the Historic/Protohistoric period by three distinct language-speakers, one group of whom could be further subdivided into two (and perhaps three) fairly distinctive dialects. The most significant linguistic division existed between the Kawaiisu speakers, who lived in Tehachapi Valley, through the southern Sierra Nevada and eastward across Fremont Valley towards Red Mountain and into southern Panamint Valley, and the groups to the south and west in Antelope Valley, per se. The Kawaiisu language is a member of the Numic branch of the Uto-Aztecan language family, and is thereby most closely related to the Shoshone and Paiute languages of the Great Basin.

South and westward of the Kawaiisu were two other members of the Uto-Aztecan language family, but in this instance both were distinct languages belonging to the Takic (as opposed to Numic) branch, specifically to the Serran Takic branch. Along the south westernmost side of the Antelope Valley, including the northern foothills of the Liebre Mountains and the southern side of the Sierra Pelona, were the Tataviam. Related to them linguistically, but speaking a distinct language, were the Kitanemuk, who occupied the westernmost Antelope Valley and the Tehachapi Mountains west of Tehachapi Pass. Living to the east of the Kitanemuk, who extended to approximately the current location of Highway 14 where it heads north across the Antelope Valley, were a group of closely related peoples that Earle (1990) has identified as the Haminat. Apparently, Haminat and

Kitanemuk represent dialects of the Serrano language, which also included Serrano proper and Vanyume (or Beñemé).

According to Earle's analysis, there was a linguistic continuum along the northern side of the San Gabriel Mountains in the Western Mojave Desert, from the Serrano on the east through the Vanyume and Haminat to the Kitanemuk, at the western end. Haminat, apparently, was more closely linked with Vanyume/Serrano proper than Kitanemuk, although it was still simply a dialectical variant of it.

The study area thus falls in a slightly ambiguous zone near the Kawaiisu, Kitanemuk and Haminat boundaries. Despite this uncertainty, these groups were culturally similar. All three, for example, were foragers, with food sources derived principally from gathering. The exact plant species exploited was dependent on seasonal availability as well as precise geographical/environmental location. In the higher montane portions of the region (e.g., towards the Tehachapis), acorn-bearing oak and pinyon nuts were staples. In the lower lying more desertic zones, including the study area, mesquite, yucca and a variety of other edible plants were emphasized. Hunting also contributed meat protein, and principally emphasized small game, such as hares, rabbits and rodents.

Following general California patterns, there were also a number of similarities in social and political organization across the Antelope Valley. Earle (1990) has suggested that the Haminat may have been organized into exogamous clans and moieties, whereas the western groups might have lacked these, and in this sense the Haminat could have been more like the southern California Desert groups like the Serrano and Cahuilla, with the other groups more similar to the south-central California culture of the Chumash and related peoples. What is apparent, however, is that the region as a whole lacked any political organization beyond that of the tribelet, or what Earle has identified in the Spanish records as *naciones*. These were autonomous land-owning groups, focused on a principal village and led by a headman or chief, and probably comprising a lineage system or clan. In this sense, the Antelope Valley can be said to follow the political organizational pattern found throughout most of Native California. This, of course, further links it with Californian, as opposed to Great Basin, cultural patterns.

In general terms, major historical villages were located at well-watered spots, such as springs. Most of these are, for this reason, are located in the San Andreas Rift Zone, along the south side of the Antelope Valley, which is unusually well-watered. The only known village in the general project vicinity is located near Willow Springs, northeast of the Project. Indigenous names in Serrano (*Chibubit* or *Punakavea*), Kawaiisu (*SeSevjek*) and Kitanemuk (*šeševiyək*) are known for this village; according to the Kawaiisu informant Andy Greene, it was a Kitanemuk village (site record for P-15-000129).

2.3 PRE-CONTACT ARCHAEOLOGICAL BACKGROUND

The following summary of regional archaeology is derived from Gardner (2009), Glennan (1971), Scharlotta (2014), Sutton (1996, 2017), Way and Jackson (2009), Whitley (1994, 1998, 2000), and Whitley et al. (2006).

Pre-Clovis (earlier than 12,000 YBP)

The initial occupation of North America is still a topic of research and debate, with the date of initial human entry onto the continent not yet known, and little understood about the lifeways of the earliest occupants. This Late Pleistocene occupation is generally referred to as the Pre-Clovis (cultural) Period, dated at earlier than 12,000 years before present (YBP). During this period, many of the valley floors of the Mojave Desert and the Great Basin were filled with a large lake system, including Lake Thompson in the Antelope Valley. Although a number of claims have been made for Pre-Clovis sites in the Mojave Desert generally, these have either been disproven or remain controversial and uncertain. Possible Pre-Clovis petroglyph dates for the Coso Range have been proposed by Whitley (2013), but still require verification by additional tests.

Paleoindian (11,200 - 9000 YBP)

Although the initial occupation of the continent is controversial, there is widespread agreement on the subsequent Paleoindian period, which is typically viewed as pertaining to mobile big-game hunters who exploited Pleistocene megafauna. The hallmarks of the Paleoindian period are the fluted, collaterally-flaked and basally-thinned and -ground Clovis and Folsom spear points, during the earlier portions of the period, followed by a series of large, well-flaked but unfluted lanceolate points towards the end of the period, some of which are stemmed. Some scenarios suggest that the big-game hunting practiced by these Paleoindian peoples may be responsible for the extinction of the Pleistocene megafauna, such as Imperial Mammoth, *Bison antiquus*, and the North American horse. Aside from this so-called Pleistocene overkill problem, the image of Paleoindians as specialized big-game hunters has become pervasive for North America though it is far from proven in all parts of the continent. Recent evidence, however, indicates that the earlier portions of the Paleoindian period comprised a lengthy and severe drought, thus demonstrating that the large mammal herds were already under extreme environmental stress, regardless of the effects of human predation (Haynes 1991). As noted above, paleoclimatic reconstruction in the vicinity of the study area indicates that a drought also occurred in this specific region (Ramirez and Bryson 1996), further supporting the notion that all Mojave Desert populations – human and animal – existed in stressed conditions at that time.

Very substantial although sometimes overlooked evidence of Paleoindian use of eastern California has been found in a number of areas, including Pilot Knob Valley, northeast of the study area; on the shores of Pleistocene Lake China and within the Coso Range, per se; in Fort Irwin, northeast of Barstow; at Boron, to the west; in the El Paso Mountains, north of the study area; and in the Tehachapi Mountains, further to the northwest (e.g., Glennan 1971, 1987a, 1987b; Davis 1978; Warren and Phagan 1988; Yohe 1992b). According to Warren and Phagan, writing in 1988, only seven fluted points had been found in the Mojave Desert, although their tabulation apparently excludes the region north of the Garlock Fault, and thus the Coso - Panamint - Death Valley area. To this list, however, we can add four Paleoindian points from the Coso Range and Rose Valley; three from Pilot Knob Valley; and another basally-thinned point which is on display at the Death Valley National Monument Visitor Center which apparently was found within the monument. And to these can also be added four fluted point bases from the Edwards Air Force Base area (Mark Campbell, personal communication, 2000) and a fluted point base and approximately 10,000 YBP radiocarbon date from Boron. Even more importantly, 49 fluted points were recovered by Davis

(1978) around China Lake, substantially bolstering the evidence of Paleoindian use of this general region. Clearly, there was very substantial Paleoindian occupation of this area.

Typically, the Paleoindian evidence consists of isolated (in some cases reused) Paleoindian projectile points, although there is also evidence for Paleoindian petroglyph manufacture in the Cosos (Whitley and Dorn 1987, 1988; Whitley et al. 1999a, 1999b). Furthermore, an obsidian Paleoindian point from the central Mojave Desert (Sutton and Wilke 1984) and another from the Rose Spring site (Yohe 1992b) have been sourced to the Coso Sugarloaf Quarry. When combined with the large number of points collected by Davis (1978) around China Lake, it is clear that this area was very important for these early occupants.

Although it is likely that Paleoindian habitation sites are somewhere preserved in the region, they have yet to be found and a better understanding of the Paleoindian period in this portion of eastern California will only be obtained when such sites are discovered and investigated (cf. Warren and Phagan 1988). In the meantime, growing evidence for Paleoindian occupation on the off-shore Channel Islands (e.g., Morris and Erlandson 1993), with the maritime adaptation this implies, suggests that the monolithic interpretation of all North American Paleoindian period sites as necessarily a product of specialized big-game hunting may be incorrect, and that more regional subsistence variation may emerge once better evidence from the far west has been discovered and analyzed (cf. Willig and Aikens 1988).

Early Archaic (9000 - 6000 YBP)

The Early Archaic period, or so-called Western Pluvial Lakes Tradition, represents the early Holocene in paleoenvironmental terms. Its hallmark is generally considered to be the widely dispersed but ambiguously-dated Western Stemmed Tradition projectile points. These include the local variants known as Lake Mohave and Silver Lake points, which may in fact actually date between 10,500 and 7,500 YBP and thus be partly coeval with fluted points. Combined with studies of the lithic technologies of Early Archaic and Paleoindian sites, this chronological overlap suggests that the Western Stemmed Tradition may have been an in-situ development out of the earlier Paleoindian tradition (Willig and Aikens 1988).

Early Archaic sites are most commonly found on the lowest terraces above latest Pleistocene and early Holocene lake basins and stream deltas. (Notably, fluted points are also sometimes found at these same sites and geomorphological locations, contributing to the chronological ambiguity of both point types). Early Archaic sites are, accordingly, widely regarded as part of a lacustrine-focussed adaptive strategy. Although a number of authors have cautioned against too simplistic an interpretation of these associations, pointing to the fact that Early Archaic sites are also found in other environments, it nonetheless is apparent that, in eastern California at least, this environmental association and its inferred subsistence implications maintain some verity. Indeed, it can be noted that recent research in the Great Basin has exactly emphasized the general importance of lacustrine adaptations in general terms, in contrast to Jennings' (1957) earlier model of a long-lived "desert culture" tradition.

Be these controversies as they may, Davis (1978; Davis et al. 1969) has identified and discussed the importance of a number of putative Early Archaic sites in the Panamint region. These are

located in both the China Lake Basin and the Panamint Valley in former lacustrine environments, and are indicative of the fact that some lakeshore use if not occupation did occur during the early Holocene in this region. However, this must be matched against the fact that Western Stemmed Tradition points have also been recovered as isolates in upland environments in the Cosos (Elston et al. 1983). Thus, although lakeshore exploitation may have been an emphasis during the Early Archaic in this portion of eastern California, this period apparently also included mobile hunting in other environments as well.

Middle Archaic (6000 to 4000 YBP)

Be this early evidence as it may, what is incontrovertible is that, regardless of date of *initial* occupation, *substantial* inhabitation did not occur until much later, with the start of the Middle Archaic or Pinto Period, at about 6000 years YBP. This lasted until approximately 4000 years YBP. A number of sites from this time period are known from the Rosamond area, specifically associated with the prehistoric shoreline of Rosamond Lake. Notably, sites dating to this time period apparently emphasize the use of rhyolite as a lithic resource, almost to the exclusion of cryptocrystallites such as chert and jasper (Sutton 1988a, 1988b).

The Middle Archaic, however, corresponds essentially to the Altithermal paleoenvironmental period, and is a controversial topic in Mojave Desert prehistory due to its cultural and chronological ambiguity. That is, aside from the controversy concerning the nature of the *paleoclimate* during this period, as discussed above. Much of the *archaeological* ambiguity instead stems from the uncertainty in the chronological placement of the Pinto series projectile points. Seemingly, there are as many chronological scenarios for the placement of Pinto points as there are archaeologists working on the problem (cf. Meighan 1981; Jenkins and Warren 1984). What this ultimately may suggest is that much more regional variation existed during certain periods of the prehistoric past than is currently being recognized.

In the Coso area to the north, but not necessarily elsewhere in eastern California, there is little if any evidence for Middle Archaic occupation, at least if Meighan's (1981) obsidian hydration date revisions for the Pinto series points from the Little Lake site are accepted. That is, existing evidence could be interpreted to signal a diminution in occupation, if not an outright abandonment, in this region, apparently corresponding to the hot and dry climatological conditions of the Altithermal. However, it is also possible that local inhabitants may have adopted a subsistence strategy and settlement pattern with little archaeological visibility on the landscape during this period; e.g., a highly mobile pattern. Although this alternative interpretation of the apparent dearth of Middle Archaic sites must be acknowledged, it seems implausible in light of the fact that extremely dry conditions would be more commonly predicted to result in a stronger form of "tethered nomadism", and thus greater archaeological visibility, around water sources. Moreover, there is very clear evidence for Middle Archaic settlements in the Fort Irwin area (e.g., Jenkins and Warren 1984), to the east of Barstow, suggesting that not all portions of eastern California were abandoned at this time; again, emphasizing the possibility of more regional variability than heretofore acknowledged.

Late Archaic (4000 to 1500 YBP)

Much less controversy surrounds the subsequent Late Archaic period, or Elko Period, lasting from about 4000 to 1500 years YBP, which correlates with improved and wetter environmental conditions across the far west -- including within the study area, as Ramirez and Bryson's (1996) reconstruction indicates. Although sites from this time period are sometimes considered rare in the Mojave Desert, it is notable that many of the subsequent Rose Spring Period villages (see below) were first occupied during this earlier phase. That is, as has been noted by a number of authors, there seems to be a strong continuity between the Elko Period and subsequent times, with the latter period materials masking or burying the Elko remains. In the Antelope Valley region this begins with a major increase in population beginning about 3000 years YBP (Sutton 1988b:23).

Similar patterns have been noted in surrounding regions. For example, the start of the Late Archaic in the Coso Range region, to the north, is posited to represent the initial establishment of the primary settlement and subsistence systems that are currently archaeologically visible (Whitley 1994, 1998), while this same period has been recognized as experiencing a major, far western North American-wide expansion of settlements into new environments and increases in population, stretching from the Great Basin of eastern California, through the southern Sierra Nevada, across the Transverse Ranges, and down to the coast (Whitley et al. n.d.). The primary temporal diagnostics for the Late Archaic are Elko and Gypsum series projectile points.

In the Coso Range, the Late Archaic is signaled by the establishment of major winter villages, typically at springs, in valley bottoms on the western and wetter side of the range. Analyses of paleoethnobotanical and faunal remains suggest a generalized foraging strategy, emphasizing all available resources (e.g., Gumerman 1985), including buckwheat stands around small mud-playas (Whitley et al. 1988). This evidence is complemented by an extensive but seemingly non-logistically organized use of all upland environments. Included here is a significant quantity of isolated projectile points in the uplands, suggesting mobile hunting patterns (Elston et al. 1983). Furthermore, the Late Archaic witnessed the beginning of the intensive exploitation of the Coso Sugarloaf obsidian quarry, an event that apparently correlates with the beginning of the inland-to-coastal obsidian trade in south-central California (Whitley et al. n.d.).

Rose Spring (1500 - 800 YBP)

The Rose Spring Period is differentiated from the earlier Late Archaic/Elko Period by the introduction of the bow and arrow and a change from spear points to arrow points at circa AD 500 (cf. Yohe 1992a). This transition is, in technical terms, dramatic. In fact, the introduction of this new weaponry technology probably did not have any immediate major impacts on social or cultural systems. At least initially, the settlement and subsistence systems were stable, and lithic technology and production did not noticeably change (Allen 1986).

Moreover, and as implied above, in all other respects Rose Spring times appear to have been a continuum from the earlier patterns, so that the change in hunting technology was probably less important than we might otherwise presume. Within the Antelope Valley area, Desert Village Complexes, representing a major change in magnitude of settlements, were founded at least by Rose Spring times, and perhaps towards the end of the earlier Elko phase. Two of these have been

identified by Sutton (1988a, 1988b) in the foothills of the Antelope Valley, with a third between Rosamond and Rogers Dry Lake, and a possible fourth at Koehn Lake. It is possible, if not likely, that these represent the founding of the triblet system of political organization in the region.

At approximately AD 1000 - 1200, however, a shift in settlement and subsistence practices began that, ultimately, culminated in the protohistoric/ethnographic patterns referred to as the Later Prehistoric or Numic Period (discussed below). This involved the abandonment of some winter villages (or at least a reduction in the intensity of their use); the establishment of logistical base camps around springs in the upland environments; an increasing emphasis on a relatively specialized diet focused on seeds and the pinyon nut; and a great increase in the production of petroglyphs (Whitley 1994). That is, settlement patterns became more organized and focused, while subsistence was increasingly specialized, and ritual became more common.

The causes for this transition are not yet fully understood. Bettinger and Baumhoff (1982), for example, have accepted it as an empirical fact, with the subsistence change then linked to the putative spread of Numic peoples out of eastern California at about this time. They have then taken the position that the phenomenon to be explained is not the cause of the subsistence change, but the reasons why such a change was adaptively more successful, and how it can then be used to account for the historical distribution of Numic languages. The implicit assumption in such an approach is that evolutionary transitions are to be expected due to the inherent tendency for greater fitness to emerge in populations.

While this last tendency may or may not be so, it overlooks pertinent related evidence; namely, that this same time period experienced a major drought that effected all portions of western North America, from northern Mexico through the Southwest, across the Great Basin, and even into the Channel Islands. Moreover, the environmental stress engendered by this drought has been cited as a causal factor in the abandonment of Anasazi pueblos in the Southwest, as well as the southward retreat of Mesoamerican civilization with the collapse of Tula. Perhaps more to the point, Arnold (1993) has noted the influence of this drought in creating resource stress that was a contributing factor to the appearance of a simple chiefdom in the Chumash region near Santa Barbara. Similarly, Whitley (1994, 1998) has argued that this transition in eastern California represents the first appearance of Numic bands and headmen; specifically, that it was the increasing perceived need for ritual specialists in the form of rain shamans during this period of environmental degradation that led to the establishment of bands and the creation of headmen. In this interpretation, the accelerated production of Coso petroglyphs (which are known ethnographically to have been tied to rain shamanism) is taken as a reflection of the growing number of ritual specialists, with the appearance of a logistically-oriented settlement pattern a sign of increasing sociopolitical control and organization.

Late Prehistoric (800 - 140 YBP)

The Late Prehistoric (or, in some areas, Numic) Period, from 800 years YBP to the Historic Period, represents a continued growth in local population, with numbers of people apparently quite high. It is distinguished from previous Rose Spring times by the introduction of brownware ceramics and a change in projectile point types: from Rose Springs types to Desert Side-Notched and Cottonwood Triangular. Sutton (1988a, 1988b) notes that a boundary of some sort developed

during this period: Desert Side-Notched points, brownware ceramics and obsidian are all common from the Fremont Valley northward; south of this area, in the Antelope Valley proper, ceramics and obsidian are rare, and Cottonwood Triangular points are the predominant projectile point type. This apparently correlates with similar patterns further towards the coast: at about 800-1000 years ago the desert-to-coast obsidian trade dried up, and Rose Spring-like projectile points were replaced by Cottonwood-like points, with Desert Side-Notched points rare.

The Protohistoric/Historic phase of the Late Prehistoric, representing the last 300 years, is apparently marked by a major disruption in indigenous settlement, and a corresponding paucity of sites. According to Earle (1990), missionization pulled many of the region's inhabitants away. Note, however, that ~300 YBP also represents a brief period of extreme drought, as indicated by Ramirez and Bryson's (1996) paleoclimatic model. Hence deteriorating environmental conditions may have contributed to social disruptions combined with the introduction of new diseases, all of which would have had detrimental effects on the local population. Subsequently, the Antelope Valley area was used as a staging ground for rustlers and other miscreants, who were raiding the missions' livestock. The result was that the area became somewhat of a no-man's land which, no doubt, has also contributed to the paucity of ethnographic information on it.

2.4 HISTORICAL BACKGROUND

Perhaps because of the use of the Antelope Valley as a staging area for Native American raids on the *estancias* and missions closer to the coast, Euro-American settlement and development of the area was a little later dating than in other parts of southern California. As a result, the history of the Antelope Valley to about the 1860s principally involved various explorers who traversed it: for example, Pedro Fages crossed the southern valley in 1772; Fr. Garcés crossed the west end and went through Willow Springs, west of the study area, in 1776; Jedediah Smith, similarly, went across the western valley in 1827 and also visited Willow Springs, as did John C. Fremont and his guide Kit Carson in 1844. The Rogers and Manly party - the Jayhawkers or Death Valley '49ers - camped at Willow Springs towards the end of their dramatic 1849 expedition across the Mojave Desert, as well. And Lt. Edward Beale, at the lead of a caravan of camels, came across the southern side of the valley in his 1857 trip to Fort Tejon (Bancroft 1963; Settle 1963:61; Boyd et al. 1982).

It was not until the 1860s that the first settlers moved into this region, settling mostly in the Elizabeth Lake region and the southern foothills of the Tehachapi Mountains, and involved principally in ranching. With the development in 1868 of the Cerro Gordo silver mine in Inyo County, however, the Antelope Valley became a major thoroughfare for the movement of bullion and goods between Los Angeles and the Owens Valley (Chalfant 1933); indeed, efforts to wrestle control over the Inyo silver trade away from Los Angeles became a major theme of California economic history in the 1870s (Nadeau 1965). Los Angeles managed to maintain its monopolization of this trade, nonetheless, with Remi Nadeau's freight-line playing a major part in the transshipment of goods and ore across the valley. Willow Springs and its adobe tavern served as a major stop on this route, with the stage line then essentially heading south (on the route that would eventually be adopted by the railroad), for a 28-mile stretch through Cow Hole to Barrel Springs, at the mouth of Soledad Canyon, and subsequently through the canyon for the uphill climb through the San Gabriel Mountains. Old Nadeau Road, which parallels Pearblossom Highway near the Vincent Hills, is apparently a remnant of this original freight-line route, which proved so

instrumental in the growth of Los Angeles as the economic center of southern California. It is a few miles east of the study area.

Shortly after the establishment of the first permanent school in the region, in 1869 at Elizabeth Lake, a number of settlers' colonies sprang-up within the valley, including Wicks, Manzanita, Chicago, Kingsbury, John Brown, Old Palmdale and Almondale (Settle 1963). However, the major impetus to settlement resulted with the completion of the Southern Pacific railway through the valley in 1876, fostering the establishment of Rosamond, Lancaster and Palmdale by 1882.

The Southern Pacific Railroad arrived in Mojave on August 8, 1876. The location of the current depot, on the west side of Highway 14, was the location of the original depot site, although the existing depot building is a later construction. A freight depot was added on August 20 of the same year and, before long, the town turned into a division point for the rail line. With the railhead at Mojave, the San Bernardino Borax Company began hauling its borax to the town on mule teams; the Baldheaded Eagle Borax Company began using the town as its railhead a few years later, in 1881. The Santa Fe Railroad arrived in 1884, as did the famous "20 Mule Teams" of the Pacific Borax Company, truly making the town a transportation hub for the region. The Pacific Borax Company continued with its mule team loads to the railhead until 1889, when a spur line reached their mining operations (Deaver 1967).

The original town site of Mojave was laid-out by the Southern Pacific at the time that the rail went through. Initially it was simply a residential camp for railroad employees consisting of a few wooden shacks, but it was of sufficient importance that a post office was opened in October, 1876. Because of its position as a transportation hub, Mojave quickly attracted additional residents but was not filed as a subdivision until 1905 (*ibid*). Growth at and after that point was spurred by two early twentieth century developments. The first was the increasingly important mining activities at Standard Hill and Soledad Mountain, south of town. The second was the construction of the Los Angeles Aqueduct, built between 1907 and 1913, which brought literally thousands of workers into the region. In addition to its function as a transport hub, Mojave served as the "watering hole" for the mine and aqueduct crews, and was widely renowned for its saloons and brothels, which were said to outnumber the churches in town by 10 to one.

Rosamond was also a Southern Pacific depot originally named Sand Creek but was given its current name in honor of a daughter of a rail official. A post office opened here in 1885 and the Butterworth Ranch was homesteaded, for cattle, in 1888, six miles west of Rosamond. The origin of the town proper is somewhat later. The town site was purchased by C.C. Calkins in 1907 who sold the mortgage to Charles M. Stinson. Stinson in turn donated the mortgage to the Union Rescue Mission of Los Angeles, who foreclosed on the property in 1916. In 1935 the Mission began selling lots in the town site, initiating its residential development (Bailey 1967; Settle 1967; DeWitt 1989).

Rosamond's history is also tied to early mining in the region; specifically the development of Tropico which began in the 1870s and, for over two decades, solely involved clay mining, for Ezra Hamilton's brickworks and pottery in Los Angeles. Hamilton purchased the mining property in the 1890s. Recognizing the presence of gold dust in the clay, he prospected the area, finally discovering a profitable load in 1896. By 1907 his Lida mines had yielded more than 8000 tons of ore averaging 1.2 ounces of gold and 7.5 ounces of silver per ton (Troxell and Morton 1962).

Hamilton sold his mines in 1908, with the property eventually becoming the Tropico Mining and Milling Company (Settle 1967). Mining and custom milling continued until 1956 when the operation was shut down.

Willow Springs, a short distance west of Rosamond, figured in much of the early history of the region (as noted above), serving as a watering stop on the main trail through the area. Fages, in 1772, Garces in 1776, and Fremont in 1844, are all thought to have stopped at the spring. Stage routes from Los Angeles to both Havilah and Inyo ran through the spring, starting in the 1860s, with Remi Nadeau (responsible for the Los Angeles to Inyo freight route) building a corral at the spring. Because they were running livestock in the Antelope Valley, the Tejon Ranch purchased the spring at about this same time. The spring was subsequently purchased around 1900 by Ezra Hamilton, after his discovery of gold in the area, who was responsible for constructing most of the existing stone buildings at this location (Bailey 1967; Boyd et al. 1982; Settle 1967).

According to an account by Hamilton himself, written in 1913, he made about \$200,000 from the Lida Mine (Settle 1963). He paid \$3500 to the Beale estate for Willow Springs and 160 acres of surrounding land, and created a farm and health resort. Hamilton claimed that, in 1913, there were 27 stone houses, a hotel, bath-house, public hall, dance hall, school, and auto and blacksmith shops. The school was the first in the area (ibid.).

Located outside of Rosamond proper and not adjacent to any known springs, the Rosamond South Solar Project study area however is not in an area of significant historical development or use.

3. ARCHIVAL RECORDS SEARCH

An archival records search was conducted at the California State University, Bakersfield, Southern San Joaquin Valley Information Center (IC), by IC staff members on 12/7/2020 to determine: (i) if prehistoric or historical archaeological sites had previously been recorded within the study area; (ii) if the study area had been systematically surveyed by archaeologists prior to the initiation of this field study; and/or (iii) whether the region of the field project was known to contain archaeological sites and to thereby be archaeologically sensitive. The archival records search is included in Confidential Appendix A and its results are summarized here.

The records search indicated that 29 previous studies had covered portions but not all of the current study area, primarily involving the gen-tie routes. According to the IC records, 15 cultural resources had been recorded within the study area, all of which were historical/Euro-American in age. These consisted of 7 historical refuse scatters, a burned-down house, a transmission corridor, an equipment foundation, a fence-line, a two-track road, a vegetation feature and two isolated artifacts (Table 1). One of the historical debris scatters (P-15-012725) proved to be adjacent to but outside of the study area. Similarly, the Owens Gorge Transmission Line (P-15-018681) is in a ROW/easement and, legally, is not within the study area and cannot be impacted or affected by the Project. The result is a total of 13 previously recorded resources: 11 historical sites, structures and features; and 2 isolated artifacts.

Table 1. Previously Recorded Cultural Resources within the Study Area

Resource	Description
P-15-012725*	Historic debris scatter*
P-15-014589	Historic debris scatter
P-15-014591	Historic debris scatter
P-15-014592	Historic debris scatter
P-15-014593	Historic debris scatter
P-15-014596	Historic fence-line
P-15-014597	Historic fence-line
P-15-014598	Two-track road
P-15-014691	Historic/modern refuse scatter
P-15-014902	Burnt structure, 1930s
P-15-014906	Tamarisk wind row
P-15-014907	Concrete equipment foundation
P-15-017588	Isolated glass insulator
P-15-017589	Isolated glass insulator
P-15-018681*	Owens Gorge 230kV Transmission Line*

*Outside of Study Area

The IC records search also indicated that 23 studies had been completed within a 0.5-mi radius of the study area, with 59 cultural resources recorded within that radius. Twenty-one of these 59

resources are prehistoric/Native American in origin. Four of the 21 prehistoric/Native American resources are archaeological sites; the remaining 17 are isolated artifacts (Table 2). The 38 additional previously recorded cultural resources within the 0.5-mi radius are all historical/Euro-American in age and origin.

Table 2. Previously Recorded Prehistoric Cultural Resources within 0.5-Mi Radius

Resource	Description
P-15-002714	Lithic & Groundstone scatter
P-15-006013	Isolated mano
P-15-006014	Isolated flake
P-15-006015	Isolated flake
P-15-006016	Isolated flake
P-15-006017	Isolated flake
P-15-007739	Isolated flake
P-15-012781	Isolated flake & core
P-15-013655	Lithic scatter/campsite
P-15-013703	Isolated flake
P-15-014594	Lithic & groundstone scatter
P-15-016245	2 isolated flakes
P-15-016246	Isolated core
P-15-016662	Isolated flake
P-15-017488	Isolated groundstone
P-15-018680	Lithic & groundstone scatter
P-15-018734	Isolated flake
P-15-018736	Isolated flakes
P-15-019594	Isolated flake
P-15-019848	Isolated projectile point
P-15-019849	Isolated flake

A search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed on December 18, 2020. Based on the NAHC records, no sacred sites or traditional cultural places had been identified within or adjacent to the study area.

The study area, based on the records search results and NAHC *Sacred Lands File*, appeared to have a low sensitivity for prehistoric/Native American cultural resources, with the majority of these expected to be isolated artifacts rather than archaeological sites, per se. Historical/Euro-American resources, in contrast, would likely be more common, with refuse scatters predicted to be the most common site type.

In addition to the records search, historical USGS topographical quadrangles, the U.S. 1920 and 1930 censuses, General Land Office homestead patent records, the Kern County 1900 – 1968 Voter Registration Rolls and air photographs (at historicaerials.com and Google Earth) were

examined to amplify the published historical information and potentially identify historical structure locations. Note unfortunately that 1:24,000 USGS maps for this area were first printed in 1965, limiting the value of this source for historical information, and the historical air photo coverage for this portion of the Antelope Valley was limited.

Based on an examination of the Meyer et al. (2010) geoarchaeological model for buried site sensitivity, the study area has a Low probability for containing subsurface archaeological deposits. This conclusion is supported by the fact that the study area is on the open flats of the valley, generally intermediate between the Tehachapi Mountain foothills and other upland areas (including the Willow Springs and Garlock fault scarps) and the Pleistocene shoreline of Lake Thompson (which included the Rogers, Rosamond and Buckhorn dry lakes/mud playas). Its distance from upslope areas generally precludes downslope colluviation as a source of material that could potentially bury archaeological deposits. Similarly, at 2,500- 2,600-ft amsl, the study area is substantially above the highest known shoreline of Pleistocene Lake Thompson at 2,375-ft amsl (Ramirez and Bryson 1996), precluding alluvial deposition from changing shorelines. The result is that subsurface archaeological deposits are not predicted for the study area.

4. METHODS AND RESULTS

The 1,292-ac Clearway Rosamond South Solar Project study area was surveyed in January – March 2021, with breaks taken due to periodic snow and other poor weather conditions. David S. Whitley, Ph.D., RPA, served as principal investigator, and ASM Associate Archaeologist Robert Azpitarte, B.A., served as crew chief, with assistance in the field from ASM Assistant Archaeologists Donna Buehler, B.A., Maria Silva, B.A., Sarah Richards, B.A., and Maggie Lemos, B.A.

The field methods employed included intensive pedestrian examination of the ground surface for evidence of archaeological sites, in the form of artifacts, surface features (such as bedrock mortars, historical mining equipment), and archaeological indicators (e.g., organically enriched midden soil, burnt animal bone); the identification and location of any discovered sites, should they be present; tabulation and recording of surface diagnostic artifacts; site sketch mapping; preliminary evaluation of site integrity; and site recording, following the California Office of Historic Preservation Instructions for Recording Historic Resources, using DPR 523 forms. Survey transects were spaced at 15-meter intervals.

Field conditions during the survey were excellent (90-100% visibility), with minimal ground cover and therefore good surface visibility.

4.1 SURVEY RESULTS

Thirteen historical cultural resources, consisting of 11 sites, structures or features, and 2 isolated artifacts, had been previously recorded within the Clearway Rosamond South Solar Project study area. Six of the sites and the 2 isolated artifacts could not be re-located in or in the vicinity of their recorded locations and are assumed to have been destroyed in the interim since their original identification. The remaining 5 sites, structures or features were re-identified and their site records were updated. The survey also resulted in the discovery and recording of 5 additional historical sites and 8 isolated artifacts. These resources are discussed below. Maps of site locations are included in Confidential Appendix B. Site records and site records updates, including photos of sites and features and site sketch maps, are in Confidential Appendix C.

4.1.1 Previously Recorded Sites, Structures, or Features

P-15-014589/CA-KER-8173H

The site was originally recorded as a historic refuse scatter in 2010 by AECOM. The mapped site location was revisited by ASM Affiliates in 2021 and the no site was present and is assumed to have been destroyed. This site no longer constitutes an extant cultural resource.

P-15-014591/CA-KER-8186H

The site was originally recorded as a historic refuse scatter in 2010 by AECOM with the site record last updated in 2012 by Statistical Research. The site location was revisited by ASM Affiliates in

2021 and no resource is present. It is assumed to have been destroyed. It no longer constitutes an extant cultural resource.

P-15-014592/CA-KER-8175H

The site was originally recorded as a historic refuse scatter in 2010 by AECOM and the site record was last updated in 2012 by Statistical Research. The plotted site location was revisited by ASM Affiliates in 2021 and no site is present. It is assumed that the site has been destroyed. This no longer constitutes an extant cultural resource.

P-15-014593/CA-KER-8176H

The site was originally recorded as a historic refuse scatter and dilapidated wooden structures in 2012 by Statistical Research. ASM Affiliates re-identified the site in 2021 and an updated sketch map was created. The site measures 315-ft (N-S) by 455-ft (E-W) and is situated at an elevation of 2,695-ft amsl. The site is in poor condition.

The site has experienced significant disturbance resulting from transmission corridor construction. At least three concentrations of historic refuse were identified (C1-C3), including an area of refuse not previously recorded (C3) within the site boundary. Remnants of a corral are present but the structure is mostly destroyed with a few wooden posts still standing. C1 include glass fragments (~50), ceramic fragments (~30), unmarked bricks (~10), milled wood fragments (~40), metal fragments (~30), and jumbled barbed wire. C2 includes a small bed box spring, church-keyed beer cans (~5), milled wood fragments (~50), terracotta piping (~10), metal fragments (~30), and jumbled barbed wire. C3 includes glass fragments (~60), coffee cans (~5), corrugated cans (~30), ceramic fragments (~20), and jumbled wire. Four wooden box-like structures (F1- F4) than are flush with ground were also identified; the purpose of these features is unknown. A dispersed, low-density refuse scatter occurs between the artifact concentrations. This includes glass fragments (~400), aerosol cans (~5), unidentifiable cans (~50), ceramic fragments (~50), wire nails (~50), jumbled barbed wire, gaskets (~10), and tires (~3).

This site most likely represents an abandoned corral that subsequently and repeatedly has been used as a dumpsite, with multiple episodes of dumping of both construction and household debris. Temporally diagnostic artifacts present are the church-key opened beer and aerosol cans. The church-key opened beer cans date from the late 1940s to the mid-1960s. Aerosol spray cans also post-date World War II, with other artifacts including potential contemporary/modern examples, placing the site in the mid twentieth-century to modern time range. Given the location of this site, on the open flats of the Antelope Valley and the nature of its artifact assemblage, it does not have the potential for a subsurface archaeological deposit.

P-15-014596/CA-KER-8179H

The site was originally recorded as a historic fence and refuse scatter in 2010 by AECOM. The site location was revisited by ASM Affiliates in 2021, no resource is currently present and it assumed to have been destroyed. This no longer constitutes an extant cultural resource.

P-15-014597/CA-KER-8180H

The site was originally recorded in 2010 by AECOM as a historic fence-line with refuse and an associated dirt road. ASM Affiliates re-identified the site in 2021 and an updated sketch map was created. The site measures 1290-ft (N-S) by 100-ft (E-W). It is situated at an elevation of approximately 2,695-ft amsl. The site is in poor condition.

The site was recorded as a post-1945 railroad-tie fence-line with a sparse scatter of cans and industrial debris and an associated east-west trending dirt road, which extends beyond the current study area. Only those features and refuse within the study area were examined and mapped during our 2021 fieldwork. The fence-line (F1) was found to be as previously described. It includes large wooden railroad-tie posts with some iron post replacements, and remnant strands of barbed wire. Although most of the previously recorded refuse was not found to be where originally mapped, suggesting site disturbance over the last decade, similar examples were found along the fence-line and within a 60-ft corridor surrounding it. These include church-keyed cans (~10), sheet metal scrap (~10), and jumbled wire. A newly identified concentration of refuse (C1) on the south end of the site includes glass fragments (~200), glass jars (~5), and machinery bits.

The site may represent a former property boundary line. It dates to the mid-twentieth century and appears to include household and industrial/construction debris, dumped in multiple episodes. Given the location of this site, on the open flats of the Antelope Valley and the nature of its artifact assemblage, it does not have the potential for a subsurface archaeological deposit.

P-15-014598/CA-KER-8181H

The site was originally recorded as an abandoned, early 20th century two-track road in 2010 by AECOM who inferred, without supporting evidence, that the road dated from 1914 - 1945. ASM Affiliates re-identified the road in 2021 and an updated sketch map was created. The two-track measures 1,530-ft (NW-SE) in length and is situated at an elevation of approximately 2,700-ft amsl.

The road remains as last described, although it has been extended south through the current study area, terminating at the southern study area boundary. No refuse is associated with the dirt road.

Visible tire tracks combined with sparse vegetation within the roadbed indicate that this road is in current use. We found no affirmative evidence that this two-track meets the 50-year age limit for consideration as a cultural resource, no evidence (documentary or otherwise) to support its attribution to 1914 – 1945, and it appears to be contemporary/modern in age. No identified evidence supports the consideration of this dirt road as a historical resource under CEQA.

P-15-014691/CA-KER-8258H

The site was originally recorded as a historic refuse scatter in 2011 by EDAW, Inc. The site location was revisited by ASM Affiliates in 2021, no resources were found to be present, and the site is assumed to have been destroyed. This no longer constitutes an extant cultural resource.

P-15-014902/CA-KER-8324H

The site was originally recorded as the remnants of a 1920-1930s fieldstone structure and refuse scatter in 2011 by Hudlow Cultural Resource Associates. The site was revisited by ASM Affiliates in 2021 and was found to be virtually unchanged in the last decade. The resource consists of portions of the walls of a main house structure, an associated lightly graveled road, and a low-density surface scatter of both modern and historic glass. An updated sketch map has been created to supplement an existing record. The structure is in poor condition.

The structure is comprised of fieldstone, wood, concrete and brick. The main portion of the house includes remnants of a fireplace as well as a small room on the east and steps on the west. Brick and concrete chunks likely associated with original structure are scattered across the site, including what appears to be a detached fireplace just north of the main house. Concrete steps and an exposed wooden retaining wall on the north presumably mark the front entrance. The chimney and fireplace are inlaid with bricks that include the following maker's marks: PCP LADLE (1921-1953), EMSCO ROYAL (1930-1943). These indicate that the structure was built after 1930, most likely dating it to the Depression Era.

The walls are generally in different stages of collapse but all exterior walls appear to have consisted of a lower course of mortared fieldstones extending to a maximum height of about 4-ft on the east wall and 2-ft on the west, in segments where this construction element appears to be intact. The fieldstone course is capped with mortar indicating that the remainder/superstructure and roof were built of wood, assuming the building was completed. The northeast and northwest corners of the structure are curved. The interior fireplace, in the center of the east wall, is fieldstone with a poured concrete mantle. Fire-brick sidewall add-ons extend the hearth of the fireplace into the central room. Because of the smoke that this would generate, this suggests that this feature most likely was capped by a metal plate, creating a hybrid iron-and-masonry stove. The structure has a poured concrete floor. A poured red-pigmented concrete step, with three risers, appears to have served as the entry. A 1-in iron pipe extending through the fieldstone wall and a 3-in standpipe outside the structure suggest that it may have been plumbed.

Although the architecture is vernacular, by all appearances the stonework for the walls of the main structure are expertly crafted, almost certainly by a professional/experienced mason. This is apparent in the cement work, the poured concrete floor and fireplace mantle and especially the curved northeast and southeast exterior walls. These structural elements contrast markedly with the outdoor fireplace and the interior fireplace extension which show every indication of sloppy, amateur construction.

Examination of the General Land Office (GLO) homestead patent files reveal two separate entries for this location. On 7/8/1914 John R. Walden patented 157.04-ac which appear to include this site location. A second patent, for 160-ac overlaying the Walden patent, was awarded to James H. Hill on 6/28/1926, suggesting that Walden did not prove-up his acreage and his patent lapsed. The 1926 Hill patent fits the 1930s time-frame for the construction of the house, suggesting that he was likely the owner.

The 1900 – 1969 Kern County Voter Rolls indicate that a James H. Hill lived in Rosamond from 1924 to 1932. He was registered as a Republican and listed as an engineer who worked at “oil pumping.” The 1930 U.S. census indicates that Hill was born in 1886 in New York, was 34 years old, and was married to Elizabeth E. Hill, then aged 23. They were listed as having no children and owning a house valued at \$4,000.00. But their residence is also indicated as being in Township 11, not Township 9 North, where this site is located; and also as not living on a “farm.”

The Hills are thus the likely original owners and occupants of P-15-014902, assuming they built and moved into this structure after the 1930 census, when they lived in Rosamond proper. No additional historical information could be found about this couple (for example, they are not listed in *Antelope Valley Pioneers*, published by the Kern-Antelope Historical Society in 1984), and they do not appear to have played a prominent role in local or regional history. The construction of this house in the 1930s, however, appears to reflect a larger historical trend, which is the Depression era settlement of the Antelope Valley and western Mojave Desert.

P-15-014906/CA-KER-8328H

The site was originally recorded as a historic tamarisk wind break row in 2011 by Hudlow Cultural Resource Associates. The site was revisited by ASM Affiliates in 2021 and the windrow no longer exists. This site does not constitute an extant cultural resource.

P-15-014907/CA-KER-8329H

The putative historical feature was originally recorded as a large concrete box, possibly associated with an electrical stand, in 2011 by Hudlow Cultural Resource Associates. No evidence, documentary or archaeological, was presented to support the consideration of this feature as a cultural resource. The feature was revisited by ASM Affiliates in 2021 and was found to be virtually unchanged with the exception of additional spray-painted graffiti. An updated photo and GPS coordinates were obtained to supplement an existing site record.

The feature is an almost-square concrete foundation at the southwest corner of Rosamond Blvd. and 140th St. West. A short piece of electrical conduit and two pieces of rebar extend from the top. This is a modern/contemporary electrical box foundation. No identified evidence supports the consideration of this modern/contemporary electrical box foundation as a historical resource under CEQA.

P-15-017588

The resource was originally recorded as an isolated glass insulator fragment in 2012 by Statistical Research during monitoring. The isolate location was revisited by ASM Affiliates in 2021 and the artifact is no longer present. This isolate no longer constitutes an extant cultural resource.

P-15-017589

The resource was originally recorded as an isolated ceramic insulator fragment in 2012 by Statistical Research during monitoring. The isolate location was revisited by ASM Affiliates in 2021 the artifact is no longer present. This isolate no longer constitutes an extant cultural resource.

4.1.2 Newly Recorded Sites

QKRS-SITE -1

The resource consists of mid-twentieth century alfalfa farming field complex consisting of irrigation related structures, pole barns, foundations and refuse concentrations of different ages and origins. No residence appears to be associated with the farm with the current features representing a work rather than habitation complex. The site is approximately 3-mi south of Willow Springs, CA and situated on the open valley flats. It measures 380-ft (N-S) by 1050-ft (E-W) and situated at an elevation of 2,450-ft amsl. It is in poor condition.

The resource consists of two standing metal pole barns (used to store hay), one intact concrete foundation, remnants of an old fence line, and refuse concentrations of mixed age. All identified features and refuse concentrations are listed in Table 3. Faint outlines of fields were noted just east of the site. Due to their lack of integrity and first appearance after 1970 on aerial photographs, they were not included within the site boundary.

The site location has experienced significant changes since the 1940s. According to USGS topographic quadrangles, historic aerials, and Google Earth, structures within the site boundary first appear around 1948 (F1). Two standing pole barns (F3 and F4) appear in the early 1960s. A dense concentration of industrial debris (C2) appears to be associated with a demolished structure that stood until the early 1950s. An Antelope Valley –East Kern Water Agency reservoir, currently utilized for water maintenance, is located at the intersection of Gaskell Rd and 100th St. West, abutting the site immediately to the southwest. Additional refuse deposits east of the site are more recent in age and likely associated with contemporary dumping episodes typical in the region.

The farming components of this site date from the mid-to later-twentieth century. The refuse appears to be mixed in age and to primarily consist of industrial debris resulting from multiple dumping episodes extending into recent times.

Table 3. QKRS-SITE -1 Identified Features and Refuse Concentrations

Feature and Concentration Designation:	Approx. Dimensions (Ft)	Description:
F1	--	Seven standing large beam fence posts. Possibly associated with mid-20 th century structure.
F2	85-ft (N-S) x 35-ft (E-W)	Small reservoir or holding area with ramp.
F3	50-ft (N-S) x 105-ft (E-W)	Standing open pole barn of steel beam construction with partially dilapidated sheet metal roofing.
F4	50-ft (N-S) x 125-ft (E-W)	Standing open pole barn with partially dilapidated sheet metal roofing.
F5	20-ft (N-S) x 55-ft (E-W)	Dual concrete foundation possibly associated with an office building.
C1	80-ft (N-S) x 100-ft (E-W)	Light refuse deposit consisting of approx. 100 assorted glass fragments and milled wood scraps. Identifiable refuse includes a 1955 Owens-Illinois bottle base.
C2	235-ft (E-W) x 85-ft (N-S)	Dense industrial debris scatter with approx. 300 concrete fragments, 200 glass fragments, 10 tires, 100 milled wood scraps/beams, and one "SPARKLETTTS" Owens-Illinois bottle base (c. 1953).

QKRS-SITE -2

The resource consists of a small mid-20th century refuse dump. The site is approximately 4 ½-mi south of Willow Springs, CA and situated on open valley flats. The site measures 15-ft by 15-ft and is at an elevation of 2,550-ft amsl. It is in poor condition. No historic structures are known to be adjacent or near the area. The site most likely represents a single use refuse dump.

Refuse on site includes approximately five church key opened cans (c. 1935 – Present), two rotary opened cans and fifteen assorted glass fragments. A currently occupied modern/contemporary residence is located just south of the site. The site most likely represents a single use refuse dump with no associative context.

QKRS-SITE -3

The resource consists of a small mid-20th century refuse dump. The site is approximately 4 ½-mi south of Willow Springs, CA and situated on the open valley flats. It measures 110-ft (NW-SE) by 40-ft (NW-SE) and is at an elevation of 2,550-ft amsl. It is in poor condition.

The site is a small refuse dump with domestic and industrial debris likely dating to the mid-20th century. Identified refuse is presented in Table 4. No historic structures are known to be adjacent or near the area. The site most likely represents a single use refuse dump with no associative context.

Table 4. QKRS-SITE -3 Identified Refuse

Type:	Count:	Approx. Age:
Owens-Illinois (53) Bottle base	1	c. 1953
Assorted glass fragments	100	–
Church-key opened cans	5	c. 1935 – 1960s
Condensed milk cans	20	c. 1900s – 1940s
Rotary opened cans	10	c. 1925 – Present
Milled wood	20	–
Barbed wire	20-yd	–
Tires	5	–
Rubber hose	2	–
Gaskets	5	–

QKRS-SITE -4

The resource consists of a large and highly dispersed mid- to late-20th century refuse dump. The site is approximately 5-mi southwest of Willow Springs, CA on the open valley flats. It measures 560-ft (N-S) by 330-ft (E-W) and is at an elevation of 2,570-ft amsl, within a wide intermittent wash that trends in a NW-SE direction. The site is in poor condition.

The refuse on site is highly dispersed and fragmented, is of mixed-age dump and includes domestic and industrial debris. The majority of refuse likely originated from the edge of the dirt road immediately to the west of the site. Identified refuse is presented in Table 5. The site most likely represents a repeated use dumpsite along a rural road, with no associative context.

Table 5. QKRS-SITE -4 Identified Refuse

Designation:	Type:	Count:	Approx. Age:
General Inventory	Roberts Controls Company vintage clock	1	c. 1960s
	Assorted glass fragments	600	–
	Church-key opened cans	40	c. 1935 – Present
	Condensed milk cans	20	c. 1900s – 1940s
	Rotary opened cans	170	c. 1925 – Present
	Bimetal cans	45	Late 1950s – 1975
	Coffee cans	5	–
	1-Gallon fuel can	1	c. 1900s – 1940s
	Paint can	25	1906 - Present
	Aerosol cans	3	1948 - Present
	Porcelain	50	–
	Milled wood	150	–
	Misc. wire	20-yd	–
	Tires	5	–
	Terracotta fragments	15	–
	Cinder blocks	5	–
	Gaskets	10	–

QKRS-SITE-5

The resource consists of a possible mid-20th century wood and domestic refuse scatter. The site is approximately 5-mi southwest of Willow Springs, CA and is on the open valley flats. It measures 170-ft (N-S) by 140-ft (E-W) and is at an elevation of 2,575-ft amsl. It is in poor condition.

The resource consists of a wood and light domestic refuse scatter possibly dating to the mid-20th century. The site includes approximately 200 milled wood boards, two small metal bed springs, two barbed wire fence posts, one internal friction can, and one aquamarine insulator frag. Utility poles are mixed-in with the refuse. The milled wood appears to have been part of a structure or structures but no historic buildings are known to have constructed near on or the site area. The site appears to have been pushed into or dumped on its current location, possibly resulting from the construction of a recent solar array just south of the site.

4.1.3 Newly Recorded Isolates**QKRS-ISO-1**

The isolate consists of secondary rhyolite flake. The flake measures 3.5 by 3.0 by 1.2-cm and is in good condition.

QKRS-ISO-2

The isolate consists of an assayed cryptocrystalline silicate (CCS) core with at least four visible flake scars. The core measures 9.0 by 7.5 by 4.5-cm and is in good condition.

QKRS-ISO-3

The isolate consists of a secondary rhyolite flake. The flake measures 6.5 by 3.0 by 2.0-cm and is in good condition.

QKRS-ISO-4

The isolate consists of an assayed quartzite core with at least four visible flake scars. The core measures 10.0 by 6.0 by 4.5-cm and is in good condition.

QKRS-ISO-5

The isolate consists of a secondary CCS flake. The flake measures 3.0 by 2.0 by 0.2-cm and is in good condition.

QKRS-ISO-6

The isolate consists of a secondary CCS flake. The flake measures 4.0 by 3.0 by 0.2-cm and is in good condition.

QKRS-ISO-7

The isolate consists of a secondary CCS flake. The flake measures 4.5 by 4.5 by 1.0-cm and is in good condition.

QKRS-ISO-8

The isolate consists of a fragment of CCS shatter. The flake measures 4.0 by 2.8 by 1.2-cm and is in good condition.

5. SUMMARY AND RECOMMENDATIONS

An intensive Phase I cultural resources survey was conducted for the Clearway Rosamond South Solar Project study area, Kern County, California. A records search of site files and maps was completed at the Southern San Joaquin Valley Information Center, California State University, Bakersfield. This records search indicated that 29 previous surveys had covered portions of the study area and that 13 cultural resources (11 archaeological sites, structures or features; and 2 isolated artifacts), all historical/Euro-American in origin, were known to exist within it. The Phase I survey fieldwork was conducted using parallel transects spaced at 15-meter (m) intervals walked across the 1,292-ac study area. Six of the 11 previously recorded sites/structures/features and the two isolated artifacts could not be relocated and are assumed to have been destroyed since originally documented. The five-remaining previously recorded sites/features/structures were re-identified, their site records were updated and the conditions of the sites assessed. A search of the NAHC *Sacred Lands File* was completed and no sacred sites or traditional cultural places had been identified within or adjacent to the study area. Compliance with AB 52 is documented separately in the CEQA document for this Project.

Five new sites and eight isolated artifacts were also identified and recorded during the survey. The five newly identified sites are all historical/Euro-American in origin, whereas the eight isolates are all prehistoric/Native American pieces of lithic debitage. A total of 10 sites/features/structures are then present within the Rosamond South Solar Project Study Area, 5 previously recorded and 5 newly identified sites/features/structures, along with eight isolated artifacts.

5.1 RECOMMENDATIONS

Recommendations for the cultural resources within the Clearway Rosamond South Solar Project are as follows:

Isolated Artifacts: isolated artifacts do not constitute historical resources under CEQA and they are not eligible for CRHR listing.

P-15-014589, -014591, -014592, -014596, -14691 and -14906: These previously recorded cultural resources could not be re-identified in or in the vicinity of their mapped locations and are assumed to have been destroyed in the interim since their original recording. They no longer constitute extant cultural resources.

P-15-014598 and -014907: No affirmative evidence has been presented or is known to exist indicating that P-15-014598, a minor two-track dirt road in current use, is historical in age and warrants consideration as a cultural resource. P-15-014907 is a contemporary/modern concrete foundation for an electrical box and it does not constitute a cultural resource. Neither of these features constitutes a historical resource under CEQA.

P-15-14593, -14597 and QKRS-SITE-2, -3, -4 and -5: These six cultural resources are all refuse scatters. They are all common property types and thus do not constitute unique resources under CEQA. Two of these appear to be single-incident dumps: QKRS-SITE-2, a small (7 cans and

approximately 15 glass fragments) exclusively mid-twentieth century debris scatter; and QRKS-SITE-5, a dump of construction/structure debris. The other four sites all contain materials of mixed age, representing multiple dumping episodes. All six sites lack any associative context and hence are not associated with a significant historical event (CRHR Criterion A) or person (CRHR Criterion B); they do not embody distinctive characteristics of a type, period or region (CRHR Criterion C); and they do not have research potential (CRHR Criterion D). These six archaeological sites are recommended as not CRHR eligible.

QKRS-SITE-1: This resource is an abandoned alfalfa farm field-complex initially dating to the mid-twentieth century but with structures added into the 1970s. It is a common property type in the Antelope Valley region and does not constitute a unique cultural resource under CEQA. It currently lacks integrity of setting (due to the surrounding development of renewable energy facilities), materials and workmanship (due to the demolition and/or deterioration of its structural components), and feelings and association. It also lacks associative context. It is not associated with a significant historical event (CRHR Criterion A) or person (CRHR Criterion B); does not embody distinctive characteristics of a type, period or region (CRHR Criterion C); and does not have research potential (CRHR Criterion D). It is recommended as not CRHR eligible.

P-15-14902: This site consists of a vernacular house foundation/partial walls located within a gen-tie route. It dates to the 1930 - 1940s and may be associated with the 1926 homestead of James H. Hill. Although Hill is not a historically prominent individual (CRHR Criterion B), the homestead itself and the construction of the structure reflect a significant historical event (CRHR Criterion A): the Depression-era settlement of the western Mojave Desert. Although the structure has been burned down and no longer retains architectural integrity, the archaeological component of this site has the potential to contribute to our knowledge of this early period of regional history (CRHR Criterion D). This site therefore may be CRHR eligible under Criteria A and D. It is recommended that this site be preserved, or that a Phase II test excavation and determination of significance be conducted on it. Preservation may be achieved during the gen-tie line construction process by stringing wires over the site and insuring that the site area is not used as a stringing set-up or splicing location.

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CONFIDENTIAL APPENDICES

Appendix F

Energy Consumption Technical Memo



MEMO

Date: August 6, 2021
To: Aarty Joshi
From: Karla Topete and Jaymie Brauer
Subject: Rosamond South Solar Project – Energy Consumption Technical Memorandum
cc: file

INTRODUCTION

This memorandum assesses possible construction and operational energy demand impacts by the development of the Rosamond South Solar Project (Project) in the context of Section 15126.2(b) and Appendix F of the California Environmental Quality Act (CEQA) Guidelines. The analysis in this memo relies in part on information and assumptions provided in the Air Quality Impact Analysis for the proposed Project (Trinity Consultants, 2021).

PROJECT DESCRIPTION

The Project would consist of the construction and operation of a utility-scale solar photovoltaic (PV) electricity generation and energy storage facility that would produce up to 154 megawatt (MW) (471,775,074 kilowatt hours [kWh]) and up to 200 MW of battery energy storage capacity on approximately 1,292 acres. The Project site is located in the southeast portion of unincorporated Kern County, in the Antelope Valley region, within Section 24 Township 9 North, Range 15 West and Sections 21, 27, and 28, Township 9 North, Range 14 West, San Bernardino Base and Meridian. The Project site is bounded by Rosamond Boulevard to the north, 90th Street West to the east, West Avenue A to the south and 170th Street West to the west. The Project would utilize existing electrical transmission infrastructure that was built as a component of the existing adjacent solar projects.

The Project would consist of the following key components:

- Solar field with arrays of solar PV panels that are generally up to 14 feet above ground surface. Panels would be arranged in 10- to 20-foot-wide rows oriented north to south. The panels themselves would be in landscape or portrait orientation and would be either fixed tilt or mounted on single-axis trackers;
- Battery Energy Storage System (BESS) facility;
- Up to four Project substations;
- Inverters, combiners, and transformers;
- Overhead and buried conductors;
- Onsite medium-voltage (34.5-kilovolt [kV]) collection lines;
- Approximately a combined 29 miles of generation tie (“gen-tie”) line to the existing overhead 230-kV generation tie line interconnecting with the privately-owned Teddy Substation, located on the adjacent Rosamond Solar Project and Southern California Edison’s Whirlwind Substation, located approximately three miles west;
- Permanent onsite, unpaved access roads, consisting of 20-foot-wide interior access roads;
- Telecommunications system, including an approximately 200-foot-tall communications tower;



- Operations and Maintenance (O&M) building facility;
- Security fencing, up to seven feet in height and including three strands of barbed wire, located along the site perimeter;
- Stormwater retention basins; and
- Temporary construction laydown areas, equipment, and structures.

The project is expected to generate 471,775,074 kilowatt hours (kWh) annually and 14,153,252,220 kWh (or 1,4153 gigawatt-hours) over the 30-year project life.

STATE ENERGY RESOURCES AND USE

California has a diverse portfolio of energy resources that produced 2,408.2 trillion British thermal units (BTUs) in 2018 (U.S. Energy Information Administration, 2018). The State ranked first in total renewable energy generation, with 857.6 trillion BTUs. Other energy sources in the State include natural gas (228.9 trillion BTUs), nuclear (190.4 trillion BTUs), and biofuels (35.5 trillion BTUs) (U.S. Energy Information Administration, 2018).

According to the U.S. Energy Information Administration, California consumed approximately 7,966.6 trillion BTUs of energy in 2018. Per capita energy consumption (i.e., total energy consumption divided by the population) in California is among the lowest in the country—approximately 201.9 million BTUs in 2018. Natural gas accounted for the majority of energy consumption (28 percent); followed by motor gasoline (22 percent); renewable energy, including nuclear electric power, hydroelectric power, biomass, and other renewables (18 percent); distillate and jet fuel (15 percent); and interstate electricity (11 percent); with the remaining 16 percent coming from a variety of other sources (U.S. Energy Information Administration, 2018). The transportation sector consumed the highest quantity of energy (39.1 percent), followed by the industrial (23.5 percent), commercial (19.2 percent), and residential (18.3 percent) sectors (U.S. Energy Information Administration, 2018).

Per capita energy consumption, in general, is declining because of improvements in energy efficiency and design. However, despite this reduction in per capita energy use, the State's total overall energy consumption (i.e., non-per capita energy consumption) is expected to increase over the next several decades as a result of growth in population, jobs, and vehicle travel.

REGIONAL ENERGY RESOURCES AND USE

Gas and electricity are served to Kern County customers by three primary utility providers: Pacific Gas and Electric Company (PG&E), Southern California Gas Company (The Gas Company), and Southern California Edison Company (SCE). Each is described further below.

Pacific Gas and Electric Company

PG&E is an investor-owned utility company that provides electricity and natural gas supplies throughout Kern County (PG&E, 2021). The company's service territory, referred to as its Kern Division, covers a large area of the County and includes Arvin, Bakersfield, Maricopa, McFarland, Ridgecrest, Shafter, Taft, and Wasco, as well as unincorporated portions of the County. Portions of



Santa Barbara, San Luis Obispo, and San Bernardino Counties are within the PG&E Kern Division. Within this area, PG&E serves gas and/or electricity to 154,000+ residential customers and about 23,000 commercial and industrial customers.

PG&E's electricity is approximately two-thirds cleaner than the industry average, as measured by PG&E's carbon dioxide emissions rate. About 80 percent of the electricity delivered is a combination of renewable and greenhouse gas-free resources. The PG&E and State of California 2018 power mix is detailed in Table 1. Energy usage by sector is outlined in Table 2.

Table 1
PG&E and the State of California 2018 Power Mix

Energy Resource	PG&E Power Mix	California-Wide Power Mix
Eligible Renewable	39%	31%
<i>Biomass & Biowaste</i>	4%	2%
<i>Geothermal</i>	4%	5%
<i>Eligible Hydroelectric</i>	3%	2%
<i>Solar</i>	18%	11%
<i>Wind</i>	10%	11%
Coal	0%	3%
Large Hydroelectric	13%	11%
Natural Gas	15%	35%
Nuclear	34%	9%
Other	0%	<1%
Unspecified ¹	0%	11%
Total	100%	100%

Source: (PG&E, 2018)

¹ Electricity from transactions that are not traceable to specific generation source

Table 2
Electricity Consumption in PG&E Service Area (2019)

Agricultural and Water Pump	Commercial Building	Commercial Other	Industry	Mining and Construction	Residential	Total Streetlight	Usage
4,490	29,560	4,349	9,710	1,642	28,015	308	78,072

Source: (California Energy Commission, 2019)

Note: All usage expressed in millions of kWh (GWh).

PG&E provides natural gas transportation services to "core" and "non-core" customers (i.e., industrial, large commercial, and natural gas-fired electric generation facilities) that are connected to its gas system in its service territory. Core customers can purchase natural gas from either PG&E or non-utility third-party gas procurement service providers. PG&E offers backbone gas transmission, gas delivery (local transmission and distribution), and gas storage services as separate and distinct services to its non-core customers. Access to PG&E's backbone gas transmission system



is available for all-natural gas marketers and shippers, as well as non-core customers. PG&E also delivers gas to some customers outside of PG&E's service territory and to third-party natural gas storage customers.

PG&E also maintains approximately 42,141 miles of gas distribution pipelines and 6,438 miles of gas transmission pipelines (PG&E, 2021). Table 3 below presents natural gas consumption by sector for PG&E in 2019.

Table 3
Natural Gas Consumption in PG&E Service Territory (2019)

Agricultural and Water Pump	Commercial Building	Commercial Other	Industry	Mining and Construction	Residential	Total Usage
34	927	62	1,847	170	1,903	4,942

Source: (California Energy Commission, 2019)

Note: All usage expressed in millions of therms

Southern California Gas Company

The Southern California Gas Company is the principal distributor of natural gas in Southern California, providing retail and wholesale customers with transportation, exchange, and storage services, as well as procurement services to more retail core customers. It is a gas-only utility and, in addition to serving the residential, commercial, and industrial markets, provides gas for enhanced oil recovery and electric generation customers. The Gas Company projects total gas demand to decline at an annual rate of one percent from 2020–2035. The decline in throughput demand is due to modest economic growth, and CPUC-mandated energy efficiency (EE) standards and programs and SB 350 goals. Other factors that contribute to the downward trend are tighter standards created by revised Title 24 Codes and standards, renewable electricity goals, a decline in core commercial and industrial demand, and conservation savings linked to Advanced Metering Infrastructure (AMI). By comparison, the 2018 CGR projected an annual decline in demand of 0.74 percent over the forecast horizon (California Gas and Electric Utilities, 2020).

Southern California Edison

SCE serves only electricity to most of the remaining parts of the County, including the mountain, foothill, and southern desert communities of the County. This includes Delano, Lake Isabella, and Tehachapi, Mojave, Rosamond, and other unincorporated areas.

In 2018, the sources of utility-owned generation were approximately 6% nuclear, 4% large hydroelectric, 3% natural gas, less than 1% small hydroelectric, and less than 1% solar generation.

Approximately 35% of power that SCE delivered to customers in 2018 came from renewable sources (Southern California Edison, 2018). SCE's current power mix, including utility owned generation and purchased power, is detailed in Table 4. Table 5 shows the energy usage by sector.

Table 4
Southern California Edison and the State of California 2019 Power Mix

Energy Resource	SCE Power Mix	California-Wide Power Mix
Eligible Renewable	32%	29%
<i>Biomass & Biowaste</i>	0%	2%
<i>Geothermal</i>	8%	4%
<i>Large Hydroelectric</i>	1%	3%
<i>Solar</i>	18%	10%
<i>Wind</i>	10%	10%
Coal	0%	4%
Large Hydroelectric	8%	15%
Natural Gas	20%	34%
Nuclear	6%	9%
Other	0%	<1%
Unspecified ¹	0%	11%
Total	100%	100%

Source: (Southern California Edison, 2018)

¹ Electricity from transactions that are not traceable to specific generation source

Table 5
Electricity Consumption in Southern California Edison Service Area (2019)

Agricultural and Water Pump	Commercial Building	Commercial Other	Industry	Mining and Construction	Residential	Total Usage
3,151	31,166	4,311	13,218	2,360	28,617	82,823

Source: (California Energy Commission, 2019)

Note: All usage expressed in millions of therms

REGULATORY FRAMEWORK

Federal

ENERGY POLICY AND CONSERVATION ACT

The Energy Policy and Conservation Act of 1975 established the first fuel economy standards for on-road motor vehicles in the U.S. Since 1990, the country's fuel economy for passenger cars and light-duty trucks has increased.

ENERGY POLICY ACT OF 2005

The Energy Policy Act of 2005 sought to reduce the reliance on non-renewable energy resources. The Energy Policy Act provides tax credits for electricity generated by qualified energy sources. Along with tax incentives, grants, and loan guarantees for the production of clean renewable energy.



SAFER AFFORDABLE FUEL-EFFICIENT (SAFE) VEHICLE RULES

In 2020, the U.S. Environmental Protection Agency (EPA) and National Highway Traffic Safety Administration (NHTSA) issued rules to improve corporate average fuel economy (CAFE) standards and greenhouse gas emission standards for light-duty vehicles covering model years 2021-2026.

State

SENATE BILL 350: CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015

The Clean Energy and Pollution Reduction Act of 2015 requires the amount of electricity generated and sold to retail customers per year from eligible renewable energy resources to be increased to 50 percent by December 31, 2030.

SENATE BILL 1078: CALIFORNIA RENEWABLES PORTFOLIO STANDARD PROGRAM

The California Renewables Portfolio Standard (RPS) Program was established in 2002 by Senate Bill (SB) 1078 (Sher, 2002) with the initial requirement that 20 percent of electricity retail sales must be served by renewable resources by 2017. The program was accelerated in 2006 under SB 107, which required that the 20 percent mandate be met by 2010. In April 2011, SB 2 (1 X) (Simitian) was signed into law, which codified a 33 percent RPS requirement to be achieved by 2020. In 2015, SB 350 (de Leon, 2015) was signed into law, which mandated a 50 percent RPS by December 31, 2030. SB 350 includes interim annual RPS targets with three-year compliance periods. In addition, SB 350 requires 65 percent of RPS procurement must be derived from long-term contracts of 10 or more years. In 2018, SB 100 (de Leon, 2018) was signed into law, which again increases the RPS to 60 percent by 2030 and requires all State's electricity to come from carbon-free resources by 2045. SB 100 went into effect on January 1, 2019.

CONSTRUCTION EQUIPMENT IDLING

California Air Resource Board (CARB) adopted a regulation (13 Cal. Code Regs. Section 2449 et seq.) that imposes idling limitations on off-road diesel vehicles. The regulation requires applicable off-road diesel vehicles to limit idling to a maximum of five minutes.

WARREN-ALQUIST ACT

Warren-Alquist Act of 1975 established the California Energy Resources Conservation and Development Commission, known currently as the California Energy Commission (CEC). State policy was enacted to reduce wasteful, uneconomical, and unnecessary uses of energy. To enforce the policy, California Public Utilities Commission (CPUC) regulates privately-owned utilities in the energy, rail, telecommunications, and water fields.

ENERGY ACTION PLAN

The first Energy Action Plan (EAP) was created in 2003. The State's three major energy policy agencies (CEC, CPUC, and the Consumer Power and Conservation Financing Authority) developed an



approach to meeting California's electricity and natural gas needs and took into consideration the impacts on the environment.

CLIMATE CHANGE SCOPING PLAN/CALIFORNIA'S RENEWABLE PORTFOLIO STANDARD (RPS) PROGRAM

In December of 2008, CARB released a Scoping Plan outlining the State's strategy to achieve the 2020 GHG emissions limit—California's Renewable Portfolio Standard (RPS) Program. (In October 2015, Governor Brown signed into law Senate Bill 350, which establishes a new RPS for all electricity retailers in the State. Electricity retailers must adopt the new RPS goals of 50 percent of retail sales from renewables by the end of 2030).

SENATE BILL No. 100

Senate Bill No. 100 was approved by the California Governor on September 10, 2018.

- a. This act shall be known as the 100 Percent Clean Energy Act of 2018.
- b. The legislature finds and declares that the Public Utilities Commission (PUC), State Energy Resources Conservation and Development Commission, and State Air Resources Board should plan for 100 percent of total retail sales of electricity in California to come from eligible renewable energy resources and zero-carbon resources by December 31, 2045.
- c. It is the intent of the legislature in enacting this act and expand policies established pursuant to the California Renewables Portfolio Standard Program (Article 16 (commencing with Section 399.11) of Chapter 2.3 of Part 1 of Division 1 of the Public Utilities Code), and to codify the policies established pursuant to Section 454.53 of the Public Utilities Code, and that both be incorporated in long-term planning.

APPENDIX F OF THE CEQA GUIDELINES

Appendix F of the CEQA Guidelines requires that an Environmental Impact Report (EIR) include a discussion of the potential energy impacts of proposed projects, with emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of non-renewable energy in order to assure energy implications are considered in project decisions. Appendix F also outlines what information should be included in an EIR regarding energy conservation.

Chapter 5: Energy Element

SOLAR ENERGY DEVELOPMENT

Goal: Encourage safe and orderly commercial solar development.

Policies

- Policy 1: The County shall encourage domestic and commercial solar energy uses to conserve fossil fuels and improve air quality.



Policy 3: The County should permit solar energy development in the desert and valley planning regions that does not pose significant environmental or public health and safety hazards.

As a renewable energy project, the Rosamond South Solar Project will help generate electricity to the utility grid to meet the established RPS standard. In addition to the inherent energy savings that would result from the construction of the proposed Project, additional strategies would be implemented where possible to further reduce the Project's energy consumption, specifically during the construction phase. Strategies being implemented include those recommended by CARB that may reduce the Project's energy consumption, including diesel anti-idling measures, light-duty vehicle technology, usage of alternative fuels such as biodiesel blends, and heavy-duty vehicle design measures to reduce energy consumption. Additionally, the Project includes recommendations to reduce energy consumption such as shutting down equipment when not in use for extended periods, limiting the usage of construction equipment to eight cumulative hours per day, usage of electric equipment for construction whenever possible in lieu of diesel or gasoline powered equipment, and encouragement of employees to carpool to retail establishments or to remain on-site during lunch breaks.

WILLOW SPRINGS SPECIFIC PLAN

The Project is within the Willow Springs Specific Plan Planning Area and as such, the Project shall comply with the goals and implementation measures applicable. Policy 5 of the Land Use Element states that "Energy conservation practices, as required by the Subdivision Map Act, Building Energy Efficiency Standards (California Energy Commission, 1988), and State and local laws, shall be incorporated into the design of the individual projects to have the secondary effect of limiting stationary source pollutants both on- and off-site. These standards address insulation and instruction to the original homeowners addressing glazing (window) type shading, heating/cooling system type, thermostats, lighting, water heating equipment, etc." (Kern County, 2008).

ENERGY RESOURCES STANDARDS OF SIGNIFICANCE

The 2021 CEQA Guidelines Appendix G includes Section VI- *Energy*, which is an analysis of potential impacts of a project related to the consumption of energy resources. The thresholds as written in the Guidelines are:

- Criteria 1: Would the Project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?
- Criteria 2: Would the Project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

While no quantitative thresholds related to energy are included, the Guidelines states as follows:

The goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:

1. Decreasing overall per capita energy consumption,



2. Decreasing reliance on natural gas and oil, and
3. Increasing reliance on renewable energy resources.

ENERGY IMPACTS

Approach to the Analysis and Methodology

Appendix F, Energy Conservation, of the State CEQA Guidelines provides direction regarding Public Resources Code Section 21100(b)(3)), in order to assure that energy implications are considered in project decisions. CEQA requires that environmental impact reports (EIRs) include a discussion of the potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful, and unnecessary consumption of energy. Per the State CEQA Guidelines, information identified in Appendix F should only be included where applicable or relevant to the project, and it is noted that in some cases additional items may need to be included in the discussion. Section 15126.2(b) of the State CEQA Guidelines, which was recently added as part of the 2018 comprehensive update, provides the following guidance for energy impacts.

Energy Impacts. If analysis of the project's energy use reveals that the project may result in significant environmental effects due to wasteful, inefficient, or unnecessary consumption use of energy, or wasteful use of energy resources, the EIR shall mitigate that energy use. This analysis should include the project's energy use for all project phases and components, including transportation-related energy, during construction and operation. In addition to building code compliance, other relevant considerations may include, among others, the project's size, location, orientation, equipment use and any renewable energy features that could be incorporated into the project. (Guidance on information that may be included in such an analysis is presented in Appendix F.) This analysis is subject to the rule of reason and shall focus on energy use that is caused by the project. This analysis may be included in related analyses of air quality, greenhouse gas emissions, transportation or utilities in the discretion of the lead agency.

The potential impacts analysis is based on an evaluation of whether construction and operational energy use estimates for the proposed Project would be considered excessive, wasteful, or inefficient, taking into account that the proposed Project would provide a new source of renewable energy. The energy analysis for the proposed Project evaluates the following sources of energy consumption:

- Short-term construction
 - Gasoline and diesel fuel consumed by on-road vehicles and off-road construction equipment
 - Electricity consumed for the delivery of water to the construction site
- Long-term operations
 - Electricity consumed by the proposed O&M facility
 - Electricity consumed for the delivery of water to the site
 - Gasoline fuel consumed by daily workers' vehicles and diesel fuel consumed by water and delivery trucks during periodic maintenance activities
 - Diesel fuel consumed by off-road equipment (pressure washer) during periodic maintenance activities



The Project will add to energy supplies within local and regional areas and thus have a net benefit on local and regional energy supplies. The purpose of the Project is to produce solar energy, thus having a positive impact on the peak and base period demands for energy.

ENERGY RESOURCES IMPACT ANALYSIS

Methodology

Trinity Consultants, Inc. estimated energy consumption for both construction and operation of the Project using California Emission Estimator Model version 2016.3.1 (CalEEMod). CalEEMod is a statewide program designed to calculate pollutant emissions for development projects in California using land use data. Project construction and operational activities would also generate greenhouse gas (GHG) emissions. Criteria and GHG emissions were estimated using the California Emissions Estimator Model (CalEEMod) version 2016.3.2 (California Air Pollution Control Officers Association (CAPCOA) 2016), the California EPA's EMFAC2017 web database (California Air Resources Board (CARB) 2018) and the California Climate Action Registry General Reporting Protocol (Climate Action Registry 2009) (Trinity Consultants, 2021).

Energy emissions details supporting the proposed Project estimates presented in this memo are included in Attachment 1 as well as the *Air Quality Impact Analysis* (Trinity Consultants, 2021). In summary, the energy use associated with fuel consumption during both project construction and operations was calculated by converting GHG emissions (i.e., CO₂ emissions) estimated for the project in the *Air Quality Impact Analysis*. The water-related emissions during both project construction and operations were calculated using water usage assumptions provided by the project applicant in combination with CalEEMod defaults for electricity intensity factors associated with water conveyance, treatment, and distribution. The emissions associated with operation of the O&M facility (i.e., electricity consumption from staff use of lighting, space heating and cooling units, general appliances, water heating) in combination with CalEEMod defaults for energy intensity values (electricity usage per square foot per year). The estimated fuel consumption was converted to BTUs, assuming an energy intensity of 120,286 BTUs per gallon of gasoline and 137,381 per gallon of diesel (US Energy Information Administration, 2021). The estimated electricity consumption during project construction and operations, provided in kWh, was converted to BTUs using an energy intensity of 3,412 British Thermal Units per hour (BTU) per kWh (US Energy Information Administration, 2021).

SIGNIFICANCE CRITERIA

Based on guidance provided in Appendix G of the State CEQA Guidelines, a project would result in significant impacts related to energy if it would:

1. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation.
2. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency.



IMPACT ANALYSIS

Criteria 1: Would the Project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?

Construction Phase

Energy demand during the construction phase would result from the transportation of materials, construction equipment, and employee vehicle trips. Construction would occur over a 12-month period starting in Q3/Q4 2022. The workforce would consist of laborers, craftsmen, and supervisory and support personnel. During the peak of construction operations, it is anticipated that an average of 583 workers and 40 heavy trucks will be on site daily, and 1,166 daily personal vehicle trips (See Table 1 in Appendix A). The average trip length for construction personnel traveling to and from the site was determined to be approximately 26.5 miles. It is anticipated that operation and maintenance will be similar. This was quantified based on the average distances to nearby communities assuming 40 percent of the construction personnel will be from the local population, which is considered to be the greater Rosamond area. The remaining 60 percent of the construction personnel will be from surrounding population centers. It was assumed that 25 percent of personnel will be from Tehachapi, 25 percent from Lancaster, and 10 percent from other population centers (Ruettgers & Schuler Civil Engineers, 2021). Solar panels are assumed to be delivered from the Port of Long Beach; assuming 540 panels per truck trip, there would be 2,964 heavy-duty truck round trips delivering the 400,000 solar panels. It is expected that the Project's solar panel delivery consumption will be approximately 60,800 gallons of diesel.

Construction equipment (refer to Table 6 and Appendix A), horsepower ratings, hours of use, and load factors were used to calculate construction-related fuel use, provided by the Project applicant and default assumptions from California Emissions Estimator Model (CalEEMod), version 2016.3.1. Table 7 shows the amount of total energy required by fuel type- i.e, the diesel and gasoline fuel consumed during construction activities and converts those estimates to BTU to illustrate the amount of energy demand of the Project.

Table 6
Construction Equipment

Equipment	HP Rating
AC Paver	173
Aerial Lift	49
ATVs	30
Backhoe	127
Bulldozer	215
Crane	100
Excavator	161
Forklift	89
Front End Loader	225
Generator set	84
Grader	179
Kubota Tractors	33
Pick-up Truck	250
Pile Driver	180
Portable Generators	49
Portable Water Trailers with pump	84
Roller	131
Roller Compactor	131
Skid Steer	73
Trencher	78
Water Buffalo	84
Welder	78

Table 7
Energy Use- Construction

Source	Energy Unit		Unit Conversion
	Gallons	kWh¹	BTU
Diesel	60,800 ²	2,448,054	8,352,761,905.92
Gasoline	81,046 ³	2,857,174	9,748,676,001.158
Total		5,305,228	

Source: (US Energy Information Administration, 2021)

The electricity produced by the Project will be measured in kWh, therefore, the BTU have been converted to kWh to accurately compare the impacts from construction and operation. Construction

¹ BTUs were converted to KWh using 3,412 BTU/hour per kWh

² 1 gallon = 137,381 Btu

³ 1 gallon = 120,286 Btu



of the proposed project would result in fuel consumption from the use of construction tools and equipment, haul truck trips, and vehicle trips generated from construction workers traveling to and from the site. Project construction is expected to consume a total of approximately 60,800 gallons of diesel fuel (8,352 million BTUs) and 81,046 gallons of gasoline (29,748 million BTUs), equaling approximately 5,305,228kWh. Note that while construction may include construction trailers that will connect to electricity, consumption has not been estimated in this analysis since the size of these trailers is unknown at this time, and any electricity consumption to power basic office needs would be negligible.

Activities involved with the decommissioning of the Project would be similar to those involved with construction but would be expected to result in lower fuel demand as technology improves and equipment becomes more fuel efficient. All decommissioning and restoration activities would adhere to the requirements of the appropriate governing authorities and in accordance with all applicable federal, State, and County regulations.

Construction activities and corresponding fuel energy consumption would be temporary and localized, as the use of diesel fuel and heavy-duty equipment would not be a typical condition of the project. In addition, there are no unusual project characteristics that would cause the use of construction equipment that would be less energy efficient compared with other similar construction sites in other parts of the State. The amount of fuel consumed during temporary construction activities is minimal compared with the amount of electrical energy generated by the Project over its operational lifetime. The amount of fossil fuels being offset by the clean, renewable energy source as indicated above, illustrates the long term benefit of the Project to the local region and the State as a whole. Therefore, construction-related fuel consumption as a result of implementation of the proposed project is not anticipated to result in inefficient, wasteful, or unnecessary energy use compared with other similar types of construction sites in the region.

Construction of the proposed Project would not result in wasteful, inefficient, or unnecessary, consumption of energy resources.

Operational Phase

The Project would generate electric power from the PV system during daylight hours and may discharge power from batteries at various times. The Project would receive service power from SCE, while the substation control house will include and lead acid-based and /or lithium ion batteries for emergency backup. Electricity would be consumed during operations, but the demand would be far less than the amount of power generated by the project. Electricity consumption during operation is anticipated to be mainly from the O&M building (HVAC and general office usage), monitoring equipment, safety lighting, and associated with backup power to the battery energy storage system (BESS). An O&M building would be constructed for use by full- and part-time staff employed at the Project. One to two full-time staff would be employed by the proposed Project and could include a maintenance manager, solar technicians, and/or environmental specialists. In addition, the operations would be monitored remotely via the SCADA system.

O&M vehicles would include light-duty trucks (e.g., pickup, flatbed) and other light equipment for maintenance and module washing. Heavy equipment would not be utilized during normal operations.



Large or heavy equipment may be brought to the facility infrequently for equipment repair or replacement or vegetation control. Transportation fuel-use estimates were calculated by vehicle miles traveled, vehicle fleet mix, and average fuel usage rates obtained from CARB's Emissions Factors (EMFAC) 2017 model, version 1.0.2.

Minimal amounts of water would be required for panel washing and general maintenance. The need for panel washing would be infrequent (e.g., up to four times annually) and determined based on operating considerations, including an actual decrease in PV panels efficiency and any expected benefit from cleaning. Should cleaning be necessary, water would be sprayed on the PV panels to remove dust. An estimated 18 acre-feet per year of water would be necessary for use in the O&M building and routine panel washing. It is anticipated that panels would be washed up to four times a year, using small water trucks. This water would be obtained from on-site wells or would be obtained from an off-site source. Operational water trucks are expected to consume approximately 385 gallons of diesel per year. Employee truck trips would add another 1,506 miles traveled per year and approximately 63 gallons of gasoline on an annual basis. Table 8 shows the amount of energy consumed during operational activities.

Table 8
Energy Use- Operations

	Energy Unit		Unit Conversion
Source	Gallons	kWh	BTU
Diesel	385	15,502	52,891,666
Gasoline	64	2,256	7,698,285
Total		17,758	

As shown in Table 8, Project operations is expected to consume a total of approximately 385 gallons of diesel fuel (52.8 million BTUs) and 64 gallons of gasoline (7.7 million BTUs), equaling approximately 17,758 kWh.

ENERGY SAVING MEASURES INCLUDED IN PROJECT

The construction of the proposed Project would result in the annual generation of 154 MW ac and up to 200 MW of battery energy storage capacity over a 30-year life span. Because the Project is intended to generate electricity from a renewable source of energy, operation of the Project would displace energy production that would otherwise be generated by non-renewable energy facilities using either natural gas or coal.

The Project is expected to emit approximately 125.61 MTCO₂e in annualized construction emissions and 32.3 MTCO₂e annually of greenhouse gases during operations, totaling approximately 157.89 MTCO₂e in total Project emissions. However, the greenhouse gas savings from the Project equal 122,982 MTCO₂e annually. The Project is a net negative producer of GHGs that results in a savings of 122,824 MTCO₂e per year. Over the 30-year anticipated life of the Project, the total displaced emissions would be approximately 3,684,720 MTCO₂e, which would assist in the attainment of the State's goal to reduce GHG emissions.



CONCLUSION

The construction phase of the proposed Project would result in the consumption of approximately 60,800 gallons of diesel and 81,046 gallons of gasoline, which equals approximately 5,305,228 kWh of energy consumed. The operation phase would result in a yearly consumption of approximately 385 gallons of diesel and 64 gallons of gasoline, which equals 17,758 kWh of energy.

The electricity required to operate the Project will be negligible compared to the amount of renewable electricity generated by the Project. Once operational, the Project will generate up to approximately 471,775,074 kWh of renewable electrical energy annually. The annual electricity generation more than offsets the energy consumed annually to operate the Project. The Project savings of 122,824 MTCO₂e per year is equivalent to 309.0 million miles of passenger vehicle miles driven, 13.8 million gallons of gasoline and 12.0 gallons of diesel fuel consumed annually, and 67,964 tons of coal burned (EPA, 2021).

The Project would therefore not result in potentially significant impacts due to wasteful, inefficient or unnecessary consumption of energy resources.

Criteria 2: Would the Project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

The proposed Project involves the construction, operation, and maintenance of a solar facility that would produce a new renewable source of energy in Kern County. Therefore, the Project would directly support California's RPS goal of increasing percentage of electricity procured from renewable sources of up to 50 percent. The Project is consistent with Appendix F's goal of increasing reliance on renewable energy. The Project would require the use of fuel and minimal amounts of electricity through its lifespan. However, these energy inputs would be offset by the Project's anticipated generation of approximately 14,153,252,220 kWh (or 1,4153 gigawatt-hours) over the 30-year project life.

The O&M building on the Project site would be subject to Building Energy Efficiency Standards as required by California Code of Regulations, Title 24, Part 6. The Building Energy Efficiency Standards are intended to save energy, increase electricity supply reliability, and avoid the need to construct new power plants. Pursuant to the California Building Standards Code and the Energy Efficiency Standards, the County would review the design components of the Project's energy conservation measures when the Project's building plans are submitted. These measures could include insulation; use of energy-efficient heating, ventilation, and air conditioning equipment (HVAC); solar-reflective roofing materials; energy-efficient indoor and outdoor lighting systems; reclamation of heat rejection from refrigeration equipment to generate hot water; incorporation of skylights; and other measures. The Project would also be subject to CALGreen, which requires 65 percent construction waste diversion.

Because the proposed Project would provide a new source of renewable energy supporting the State's energy goals, offset its fuel usage, and comply with fuel and energy efficiency regulations, the Project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency.



CONCLUSION

Kern County has 83 approved and at least 36 upcoming renewable energy projects in various phases of development, from application submittal to certified EIRs and projects under construction. Kern County currently has both solar and wind renewable energy projects under way, ranging from 0.5 megawatt at the smallest plant to 1,008 megawatts at the largest (Kern County, 2021).

The goal of the Kern County General Plan is to ensure that the County can accommodate anticipated future growth and development while maintaining a safe and healthful environment, and a prosperous economy by preserving valuable natural resources, guiding development away from hazardous areas and assuring the provision of adequate public services. The Kern County Energy Element has incorporated supportive policies and programs in the Land Use, Open Space, and Conservation Elements focus on the County's continued role in facilitating energy development activities (Kern County, 2009).

The Rosamond South Solar Project would require the use of fossil fuels primarily during construction, with some small energy associated with ongoing operations. The clean energy production from the plant would more than offset the carbon footprint from construction and operations. The Project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. The Project would instead support renewable energy goals and provide an additional source of renewable energy to the County and State. Implementation of the proposed Project would increase development in the area and is in line with development under both the Kern County General Plan and the Willow Springs Specific Plan. The result of the Project would be a net gain in renewable energy, offsetting construction and operational emissions and energy consumption and furthering renewable energy goals.



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<https://www.eia.gov/energyexplained/units-and-calculators/energy-conversion-calculators.php>

APPENDIX A

CALEEMOD CALCULATIONS AND ENERGY RESOURCE ESTIMATES

Table 1
Construction Energy Resource Estimate

Heavy-duty Truck Trips	Miles per Trip	Miles per Gallon	Total Gallons Diesel
2,964	120	5.85	60,800
Round Trips	Miles per Trip	Miles per Gallon	Total Gallons Gasoline
827	4	24.5	81,046

Table 2
Site Construction and Installation Energy Resource Estimate

Phase Name	Offroad Equipment Type	total hours	Amount	Usage Hours	Horse Power	Load Factor	HP-Hour	Fuel Consumption (gal)	Total per phase per day	days	total gallons per phase
Site Preparation	Skid Steer Loaders	36	9	4.00	73	0.37	972.36	49.784832			
Site Preparation	Graders	28	4	7.00	179	0.41	2054.92	105.211904			
Site Preparation	Other Construction Equipment	56	8	7.00	84	0.42	1975.68	101.154816			
Site Preparation	Other Construction Equipment	12	3	4.00	250	0.42	1260	64.512	320.66355	21	6733.9346
Building Construction	Excavators	9.54	3	3.18	161	0.38	583.6572	29.88324864			
Building Construction	Rollers	38.52	6	6.42	131	0.38	1917.5256	98.17731072			
Building Construction	Graders	19.41	3	6.47	179	0.41	1424.4999	72.93439488			
Building Construction	Forklifts	49.2	12	4.10	89	0.20	875.76	44.838912			
Building Construction	Other Construction Equipment	47.39	7	6.77	84	0.42	1671.9192	85.60226304			
Building Construction	Skid Steer Loaders	22.92	6	3.82	73	0.37	619.0692	31.69634304			
Building Construction	Rubber Tired Dozers	21	3	7.00	215	0.40	1806	92.4672			
Building Construction	Rollers	27.36	4	6.84	131	0.38	1361.9808	69.73341696			
Building Construction	Tractors/Loaders/Backhoes	21	3	7.00	225	0.37	1748.25	89.5104			
Building Construction	Tractors/Loaders/Backhoes	19.32	4	4.83	225	0.37	1608.39	82.349568			
Building Construction	Cranes	20.22	6	3.37	100	0.29	586.38	30.022656			
Building Construction	Tractors/Loaders/Backhoes	35.42	7	5.06	127	0.37	1664.3858	85.21655296			
Building Construction	Forklifts	14	2	7.00	89	0.20	249.2	12.75904			
Building Construction	Generator Sets	10.35	3	3.45	84	0.74	643.356	32.9398272			
Building Construction	Rubber Tired Dozers	13.04	2	6.52	215	0.40	1121.44	57.417728			
Building Construction	Welders	6.54	2	3.27	78	0.45	229.554	11.7531648			
Building Construction	Trenchers	40.08	6	6.68	78	0.50	1563.12	80.031744			
Building Construction	Other Construction Equipment	44.33	13	3.41	250	0.42	4654.65	238.31808	1245.6519	240	298956.44
HP-Hour = Load Factor x Total Hours x Horsepower				Fuel Consumption = HP-Hour x .0512						Total	305690.4



Table 3
Total Construction Phase Energy Resource Estimate

Solar Panel Delivery (gal)	Site Construction and Installation (gal)	Total Diesel Consumption (gal)
20441.38	305690.4	326131.78

Table 4
Operational Water Truck Energy Resource Estimate

	One way Trips per year	One-way miles per trip	Total Miles Traveled per year	Total annual miles	Miles per Gallon	Energy Resource (Gallons/year)
To and From Site	4	217.7	871	2,254	5.85	385.23
On-site Truck Travel	4	217.7	871			
On-site Truck Travel	40	12.8	512			

Table 5
Operational Employee Trip Energy Resource Estimate

	One way Trips per year	One-way miles per trip	Total Miles Traveled per year	Total annual miles	Miles per Gallon	Energy Resource (Gallons/year)
To and From Site	1560	1	1,560	1,560.0	24.5	63.67

Table 6
Total Operational Phase Energy Resource Estimate

Cleaning (gal of diesel/year)	Total Diesel Consumption (gal/year)	Employee Trip (gal of gas/year)	Total Gasoline Consumption (gal/year)
385.23	385.23	63.67	63.67

Appendix G-1

Geotechnical Report



Rosamond South Solar

Latitude: 34.8397° N, and Longitude: 118.3653° W
Rosamond, California

Clearway Energy Group LLC
San Francisco, California

Terracon Project No. GR205187
September 29, 2020

Your Stage1 Team:

V. John Romano, P.G.
Client Service Manager
VJRomano@terracon.com

A handwritten signature in blue ink, appearing to read "Fred Buhamdan".

Fred Buhamdan, P.E.
Geotechnical Authorized Project Reviewer
Fred.Buhamdan@terracon.com

For Review only.

Visit the
CLIENT PORTAL >
to get the most out of
your Stage1 experience!

Environmental



Facilities



Geotechnical



Materials

This Stage1 is intended to be consumed on Terracon's Client Portal.

For more interactive features, please view your project online at:
client.terracon.com

REPORT TOPICS

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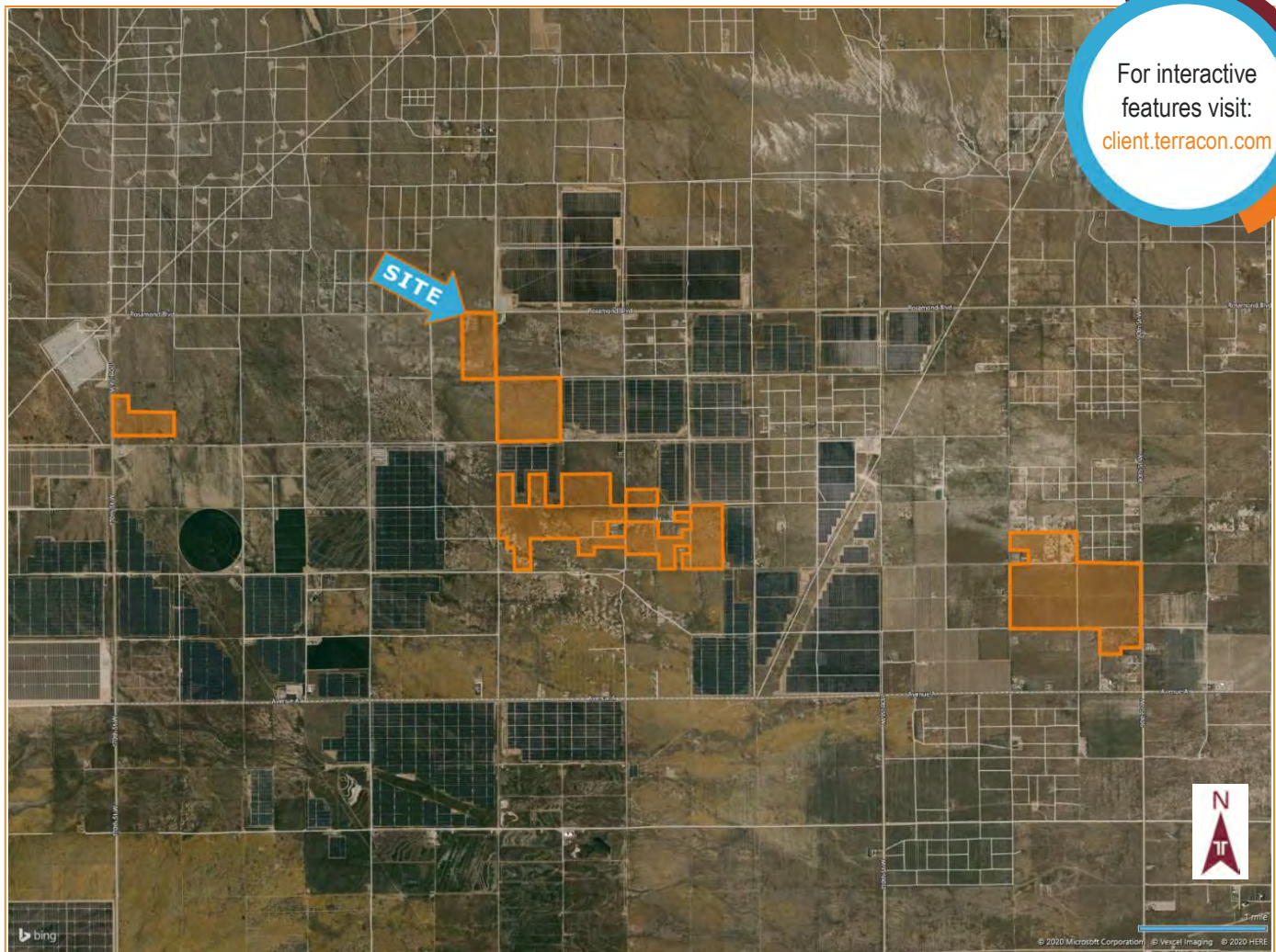
REPORT SUMMARY

TOPIC	OVERVIEW STATEMENT
Project Description	The proposed site comprises multiple parcels, centrally located at approximately 34.8397° N and 118.3653° W, in Rosamond, California. The site covers approximately 1,211 acres and is planned to be developed as a photovoltaic (PV) solar power facility.
Purpose and Scope	The scope of services includes development and delivery of a Stage1 report. This Stage1 provides a conceptual model of expected subsurface properties from a geotechnical and geologic perspective to aid in a preliminary assessment of the potential project challenges and risks. In addition, Stage1 provides preliminary concepts for site development, conceptual design parameters, and construction considerations for the project.
Anticipated Pile Driving Design	Development of the photovoltaic solar project can be considered feasible from a geotechnical engineering standpoint. Pile embedment depths of 6 to 10 feet are anticipated. Pile embedment depths will be based on the PV system structural loads.
Proposed Geotechnical Investigation	Geotechnical explorations and laboratory testing are recommended. Exploration and testing will help confirm the expected conditions, as well as delineate areas of concern related to corrosive soils. A preliminary scope can be prepared at your request.

PROPOSED PROJECT

DEVELOPMENT DESCRIPTION

- The proposed site is comprised of four separate areas, the approximate center is located at 34.8397° N and 118.3653° W, in Rosamond, California, it covers approximately 1,211 acres and is planned to be developed as a photovoltaic (PV) solar power facility.



See **INFORMATION SOURCES** for a detailed list of sources used to generate this figure.

APPROACH AND METHOD

This report provides an expectation of subsurface properties from a geotechnical engineering perspective. It is intended to assist in considering preliminary concepts for site development and foundation options for the project. It is also intended to provide a basis for a subsequent exploration program to confirm the expected conditions as necessary to develop plans for site improvement and solar panel installation. See [INFORMATION SOURCES](#) for a detailed list of sources used to generate this report.

A geotechnical engineer with local experience in the area of the planned project has formed an opinion of expected geotechnical conditions by reviewing the information as provided on the client portal and our historic data in the vicinity of the project. The opinion rendered by the geotechnical engineer also includes an estimate of the confidence in that opinion. Finally, based upon the planned project, the information available and the confidence in the estimation of expected geotechnical conditions, the engineer has developed a general plan for exploration that will be necessary to confirm the expectations. For more information about our approach and method, please see [METHODOLOGY AND LIMITATIONS](#).

EXISTING SETTING

GEOLOGIC SETTING

The site is located west of California State Highway 14 in the Mojave Desert Geomorphic Province. This province is a broad interior region of isolated mountain ranges separated by expanses of desert plains. There are two important fault trends that control topography: a prominent NW-SE trend and a secondary east-west trend. The Mojave province is wedged in a sharp angle between the Garlock Fault and the San Andreas Fault.

SURFICIAL GEOLOGY

Based on the California Geological Survey State Geologic Map, the on-site soils at the project site is mapped within the following geological units:

- **Q: Alluvium** (Holocene to Pleistocene) – marine and nonmarine (continental) sedimentary rocks. Generally, consists of alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine but includes marine deposits near the coast.

BEDROCK GEOLOGY

Depth to bedrock at the site is unknown. Bedrock is not anticipated to be encountered at the depths impacted by potential site development.

FAULTING

The Garlock fault is located approximately 10 miles northwest of the site and the San Andreas fault is located approximately 11.5 miles southwest of the site, as indicated by the United States Geological Survey. An unnamed fault strand containing Alquist Priolo zoning exists approximately 7.5 miles south of the western portion of the site. California Geological Survey (CGS) indicates the Willow Springs fault mapped approximately 2 miles north of the eastern portion of the site. Similarly, the CGS mapped an unnamed fault approximately 2 miles northwest of the western portion of the site. Detailed maps of faulting can be viewed on the Client Portal under California map layers – Alquist Priolo Fault Traces, Alquist Priolo Fault Zones, Fault Activity, and Geology with Faults; and USGS Hazard Fault layers.

HISTORICAL AERIAL IMAGES SUMMARY

LOCATION	DESCRIPTION
Site	1989-2018: The site is depicted as open, undeveloped land. Some portions of the site appear to have been used for agricultural purpose.

USDA SOILS

The United States Department of Agriculture Natural Resources Conservation Service provides information on soils through its Web Soil Survey (WSS) website. According to the WSS the site is mapped with a variety of soil series. The USDA characterizes the mapped soils as having the following characteristics:

NRCS Soil Series	Approximate % of Site	Corrosivity		Soil Classification		
		Concrete	Steel	% Silt & Clay	Liquid Limit	USCS
Hesperia Fine Sandy Loam	40	Moderate	Moderate	16.5/13	22.5	SM
Hesperia Loamy Fine Sand	45	Moderate	Moderate	14.9/11.8	20.2	SM
Rosamond Fine Sandy Loam	10	Moderate	High	46.8/24	31.5	SM
Rosamond Loam	3	Moderate	High	51.9/24.5	32.2	ML
Cajon Loamy Sand	2	Low	Moderate	54/2.9	Not Mapped	Not Mapped

GROUNDWATER

Based on our review of the California Department of Water Resources well data, we anticipate groundwater to be encountered at depths greater than 200 feet.

The site is mapped in FEMA's Flood Map as a Flood Zone A, which has a 1% annual chance of flood hazard. NRCS Flood frequency maps indicate that rare flooding is possible in the central and eastern portions of the site. "Rare" flooding means that flooding is unlikely but possible under unusual weather conditions. The chance of flooding is 1 to 5 percent in any year.

Several wetlands are mapped within the northcentral and southcentral site locations. Additional information regarding the location of wetlands in relation to the site parcels is available on the [Terracon Client Portal](#).

GEOLOGIC AND GEOTECHNICAL RISKS

HAZARD	PRESENT ON SITE?	COMMENTS
Shallow Groundwater	No	California Department of Water Resources contains well data reflecting groundwater at depths greater than 200 feet below ground surface.
Flooding	Yes	Portions of the site are mapped by the USDA Web Soil Survey as having a rare flood frequency. Based on our experience on nearby projects, flooding depth and scour potential could be significant factors in solar array design. It is our opinion that a Civil Engineer should be engaged to assess potential scour depths.
Slope Failure	No	Although the site exhibits 240 feet of relief, slope failures are not anticipated to be an issue during site development. The site exhibits a consistent and gentle decline moving across the site from west to east.
Subsidence - Pumping	Yes	The site is located in an area that has experienced land subsidence due to groundwater pumping.
Subsidence – Mining	No	There are no publicly documented mines within the project site.
Subsidence – Caves/Karst	No	No known caves or karst topography are known to exist at the site.
Earthquake – Seismicity	Yes	This region of California is seismically active and moderate to severe seismic shaking on site should be anticipated.
Earthquake – Ground Rupture	No	Active faults are not mapped within the project site.
Liquefaction	No	The site is not mapped within an area designated by the California Geologic Survey as having liquefaction potential.
Swelling/Shrinking Soil	No	Near surface soils are expected to have low expansion potential across the project site.
Hydro-Collapse Settlement	Possible	Near surface soils are expected to have slight to moderate hydro-collapse potential across the project site.
Seiche, Tsunami	No	The site is located a significant distance away from large water body sources. Therefore, hazards associated with Seiches and Tsunamis are anticipated to be low.
Corrosive Soil	Possible	Based on NRCS mapping, moderate to high steel corrosion is estimated for the site. However, nearby historical geotechnical data indicates low corrosion potential.
Man-Made Ground	No	Areas of significant fill placement do not appear to exist.
Volcanic Activity	No	The site is not in a known region of potential volcanic activity.
Quick Clay	No	Sensitive clays are not anticipated at the site.
Frost Action	No	Frost is not a concern in this region.

GEOLOGIC AND GEOTECHNICAL HAZARD MITIGATION RECOMMENDATIONS

HAZARD	LIKELIHOOD	POTENTIALLY FATAL FLAW	SIGNIFICANCE	POTENTIAL MITIGATION MEASURES	RECOMMENDED NEXT STEPS
Shallow Rock	Low	No	Difficult pile driving conditions	Shallow rock is not a concern for this site	None
Shallow cobbles, boulders, or dense cemented soils	Low	No	Difficult pile driving conditions	Cobbles and boulders are not anticipated to be a concern at this site	None
Shrink-Swell	Low	Possibly	Low potential vertical rise of foundation and roadway subgrade; low potential risk of cracking to structures	Fine-grained soils associated with shrink-swell conditions have a low possibility to be encountered on site	Obtain shallow surface samples for laboratory testing to evaluate shrink-swell potential
Collapse Potential	Low to Moderate	Possibly	Sudden reduction in subgrade support when water is introduced to soils; High risk for ancillary structures supported on mat foundations	Over-excavate and recompact soils beneath inverters, transformers or other equipment supported on shallow concrete mat foundations	Perform borings with ring sample collection for laboratory testing to evaluate collapse potential
Seismicity	High	Possibly	Damage to infrastructure through inertial effects and ground displacements	Account for seismic loads in design	None
Faulting	Low	Possibly	Ground displacements/offsets	Geologic mapping indicates that no active faults are mapped within the project site	Perform a geologic reconnaissance to confirm that no faults are present
Liquefaction	Low	Possibly	Loss of bearing capacity of foundation elements and liquefaction-induced settlement	Ground improvement, reconfigure to avoid liquefiable areas, use of mat foundations for building(s), seismic ties to tie foundations together for building(s), and/or add geogrid to reinforce earth	Although liquefaction is not anticipated to be a concern on this site, we recommend that you perform a 50-foot boring within the substation along with laboratory testing to evaluate seismic induced settlement of dry sands
Corrosive Soil	High	Possibly	Deterioration of foundation systems over time and shortened design life	Epoxy coating of rebar, concrete type/additives. Consult with Corrosion Engineer to assess design life and thickness of galvanization for pile design	Obtain shallow, surface samples for laboratory testing

HAZARD	LIKELIHOOD	POTENTIALLY FATAL FLAW	SIGNIFICANCE	POTENTIAL MITIGATION MEASURES	RECOMMENDED NEXT STEPS
Frost Action	Low	No	Potential uplift/heave of the support systems and roadways	Frost is not anticipated to be a concern at this site	N/A

SUMMARY OF FINDINGS

The provided opinions of subsurface conditions are very preliminary in nature. They must be validated with site-specific exploration and testing. This discussion is in no way intended for design, construction, or permitting purposes. In no case should the information or opinions provided in this report be utilized for final design. See [METHODOLOGY AND LIMITATIONS](#) for additional clarification regarding the limitations of the following opinions and methods used to derive these opinions.

CONFIDENCE ESTIMATE

We have used a weighted average approach, please refer to [METHODOLOGY AND LIMITATIONS](#).



HIGH

We examined 4 [historical projects](#) within a 1-mile radius.

MODERATE

Available [public data](#) is consistent with our local experience.

HIGH

Practitioner has [local experience](#) in excess of 9 years.

PILE DRIVING

CONSIDERATIONS	
Pile installation via conventional methods likely	Yes
Pile driving refusal anticipated	No
Anticipated pile embedment depths	6-10 feet, although deeper pile embedment may be necessary if shallow and soft clays are encountered.
Adfreeze stress based on frost heave	N/A
Potential expansive soil heave on piles:	Low
Seismic Site Class	D

FOUNDATION DESIGN SOIL PARAMETERS GUIDE OF ESTIMATES

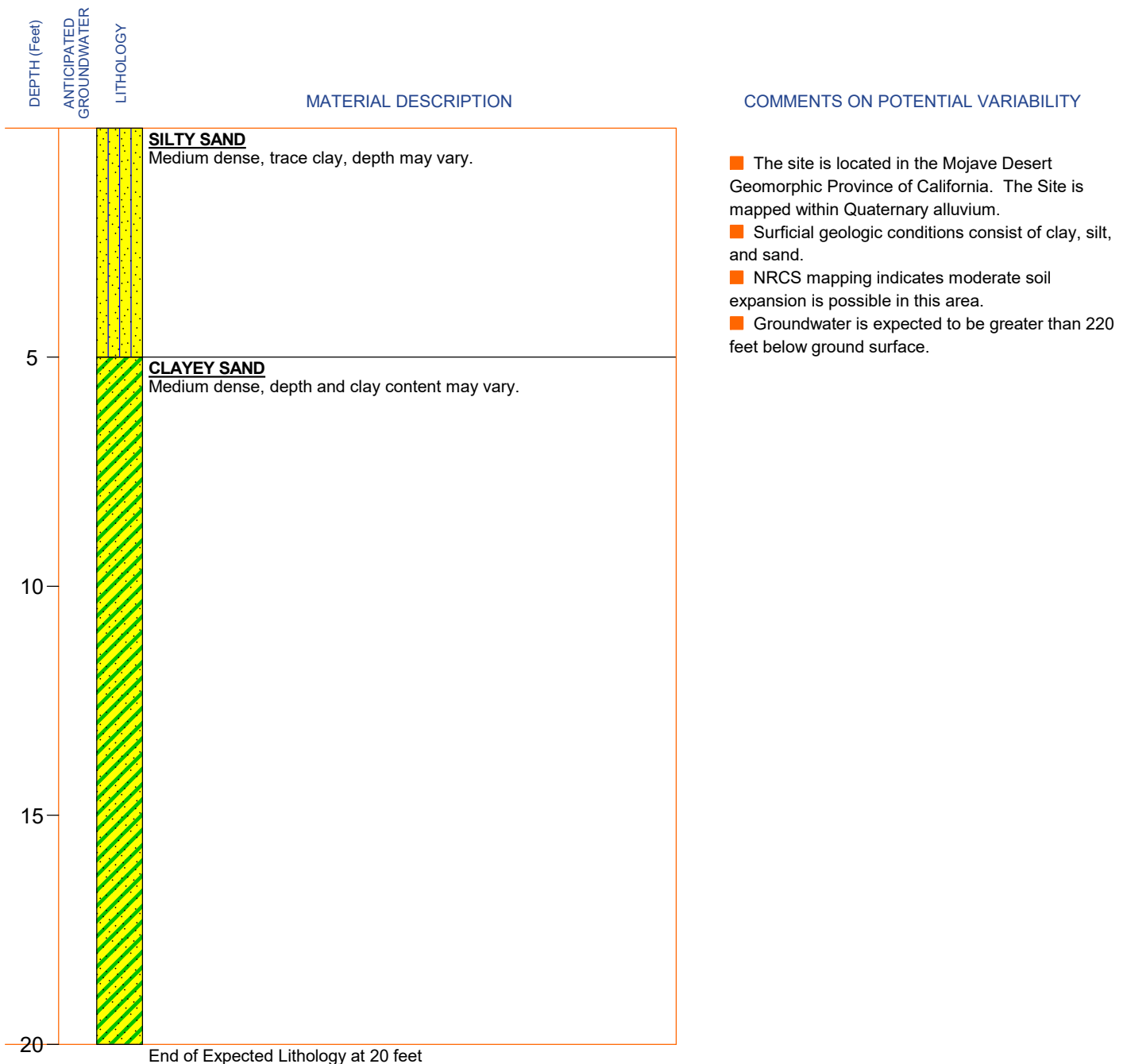
A guide of estimates of the design engineering parameters for driven steel piles, for generalized subsurface conditions provided in tabular form below. These values should be used for general informational purposes only. They should not be used for project design.

Depth	Material Description (Consistency)	Friction AnglesFriction Angle	Ultimate Skin Resistance Uplift (psf)
0-5 ft	Silty Sand (medium dense)	30° to 32°	100 to 200
5-20 ft	Clayey Sand (medium dense)	31° to 33°	250 to 350

- For W-sections and other similar pile shapes, the box perimeter should be used to compute the actual area providing skin resistance to the applied loads, which will be less than the actual surface area of the pile.

EXPECTED LITHOLOGY

Area Represented: Entire Site



The **EXPECTED LITHOLOGY** was prepared as a part of this Stage1 report. It should not be utilized or distributed outside of this report. **COMMENTS** include, but are not limited to, potential variability of geology, lithology, and groundwater as noted.

NEXT STEPS

GEOTECHNICAL

We recommend geotechnical explorations to characterize the subsurface conditions of the site. Geotechnical explorations will provide the necessary sampling and testing to provide design parameter recommendations. The locations of our planned geotechnical explorations will be provided when a site plan is available.

- Based on our experience within proximity to the project site, we recommend that the geotechnical explorations on site include the following (assuming array covers approximately 1,216 acres):
 - Borings with associated standard penetration tests (SPT) within the array field to depths of about 20 feet (about 1 per 25 acres of development)
 - Field electrical resistivity tests (about 1 per 50 acres of development)
 - Pairs of sacrificial load test piles to determine axial tension and lateral pile capacity (about 1 test location per 50 acres of development). Compression load tests can be included as requested or needed for design considerations.
 - At least one boring should be carried to a depth of 50 feet to evaluate the potential for liquefaction.

The actual depth of the exploration, as well as the location and frequency should be developed after the design team has developed a preliminary grading/site plan. The suggested ratios apply to the footprint of the array area, so if other constraints exist (wetlands, floodplains, etc.) that limit the overall developable acreage, the number of explorations would be reduced. The nature of subsurface variability will affect what we ultimately recommend for final design frequency.

- Infiltration testing should be performed in accordance with local specifications if stormwater facilities are required as a part of the development.
- Laboratory testing of the soils obtained during field exploration may include:
 - Moisture contents
 - Atterberg limits
 - Sieve analysis
 - Unconfined compressive strength
 - Corrosion testing (pH value, sulfate, chloride, sulfide, total salt, box electrical resistivity, and redox potential) of on-site soils: 1 test per 50 acres of development
 - Consolidation/Collapse
 - Thermal resistivity: 1 test per 100 acres of development
- We recommend completing a Phase I ESA for the site if one has not already been performed.

INFORMATION SOURCES



TERRACON DATA	Terracon has 4 historical geotechnical projects within 3-miles of your project site. Of those, the local practitioner reviewed select exploration projects to gain a better understanding of potential subsurface conditions. The geotechnical project locations are illustrated on the Client Portal .
PUBLICLY AVAILABLE GIS DATA	California Geological Survey Geology with Faults California Alquist-Priolo Fault Traces California Fault Activity
AERIAL IMAGERY	<p>Terracon reviewed the following readily available historical aerial images to develop a limited history of previous site usage:</p> <p>Historical Aerial Images Google Earth Pro™</p> <p>The use of available aerial imagery resources is intended to help understand previous site usage. These images are widely spaced in time. They should not be considered appropriate for identifying site activities which may have impacted subsurface conditions. A more comprehensive review of aerial imagery and/or site interviews would be required to further evaluate previous site usage.</p>
OTHER SOURCES	<p>California Department of Water Resources California Geological Survey, Note 36, 2002 https://www.usgs.gov/centers/ca-water-ls/science/land-subsidence-san-joaquin-valley</p>

METHODOLOGY AND LIMITATIONS

LIMITATIONS

This report provides very preliminary opinions of siting and construction challenges that may be associated with the stated project plans for the stated property. Confirmation of opinions stated in this document is essential. Absence of a mapped resource does not mean that it is not present. Confirmation should include performing a site-specific evaluation consistent with the guidelines set forth in **NEXT STEPS**.

All parties are advised that any decisions or actions taken by any party based on the information contained herein, including decisions with financial implications are done solely at the risk of that party. By providing this information in this preliminary form, Terracon expressly disclaims any duties or obligations associated with the usage of this information for decision-making or design purposes.

In the event that changes to the nature, design, or location of the project, as outlined in this report, are planned, the preliminary conclusions and recommendations contained in this report shall not be used unless Terracon reviews the changes and either verifies or modifies the conclusions of this report in writing. In the event the project moves into the design phase, Terracon should be retained to develop and complete a scope of work that includes site specific explorations as noted in **NEXT STEPS**.

Terracon and Clearway Energy Group LLC recognize we have entered into an agreement that may contain certain confidential or non-disclosure obligations relating to our services. Clearway Energy Group LLC recognizes, however, that although such confidentiality obligations may be in place, those obligations do not create an exclusive relationship between the parties nor do those obligations create an exclusive ownership right to Clearway Energy Group LLC relating to the data in question. Terracon has the unfettered ability to provide similar services to any other party and use any public or previously available data for the service of others, even if included as part of this report, but Terracon will refrain from disclosing confidential information of Clearway Energy Group LLC which is provided by Clearway Energy Group LLC to the extent required by any applicable non-disclosure agreement.

Terracon does not represent the imagery reviewed to be a complete historical record of previous site usage, nor does Terracon validate the accuracy and sufficiency of the public domain sources that have been utilized.

METHODOLOGY

CONFIDENCE ESTIMATE

Terracon has assigned confidence estimates for the datasets based on upon the engineer's local practice in the vicinity of your site. The engineer assigned a subjective confidence opinion of low, moderate, or high for each of the following categories:

- **Historical Project Data**
- **Local Experience**
- **Public Data**

Using a weighted averaging approach, we derived an overall confidence interval in which historical project data was weighted more heavily than local experience which was weighted more heavily than public data. Low confidence implies that the level of available data and/or consistency is such that little confidence can be placed in the Conceptual Geotechnical Model. Conversely, a high confidence ranking implies that sufficient data and consistency exists to derive a high confidence in the statement of expected conditions.

Regardless of the confidence ranking, actual conditions may vary significantly from the predicted conditions, and the expected conditions must be confirmed with site-specific exploration data, and significant variations from the expected conditions are possible.



Terracon Consultants, Inc. 1421 Edinger Ave., Suite C Tustin, California 92780
(949) 261-0051 terracon.com

FIGURES

Contents:

Site Location Map

Site Layout

Site Topography

USGS Geologic Map

Geologic Map of California – Geology with Faults

Subsidence Zones

Surficial Soil USCS Soil Classifications

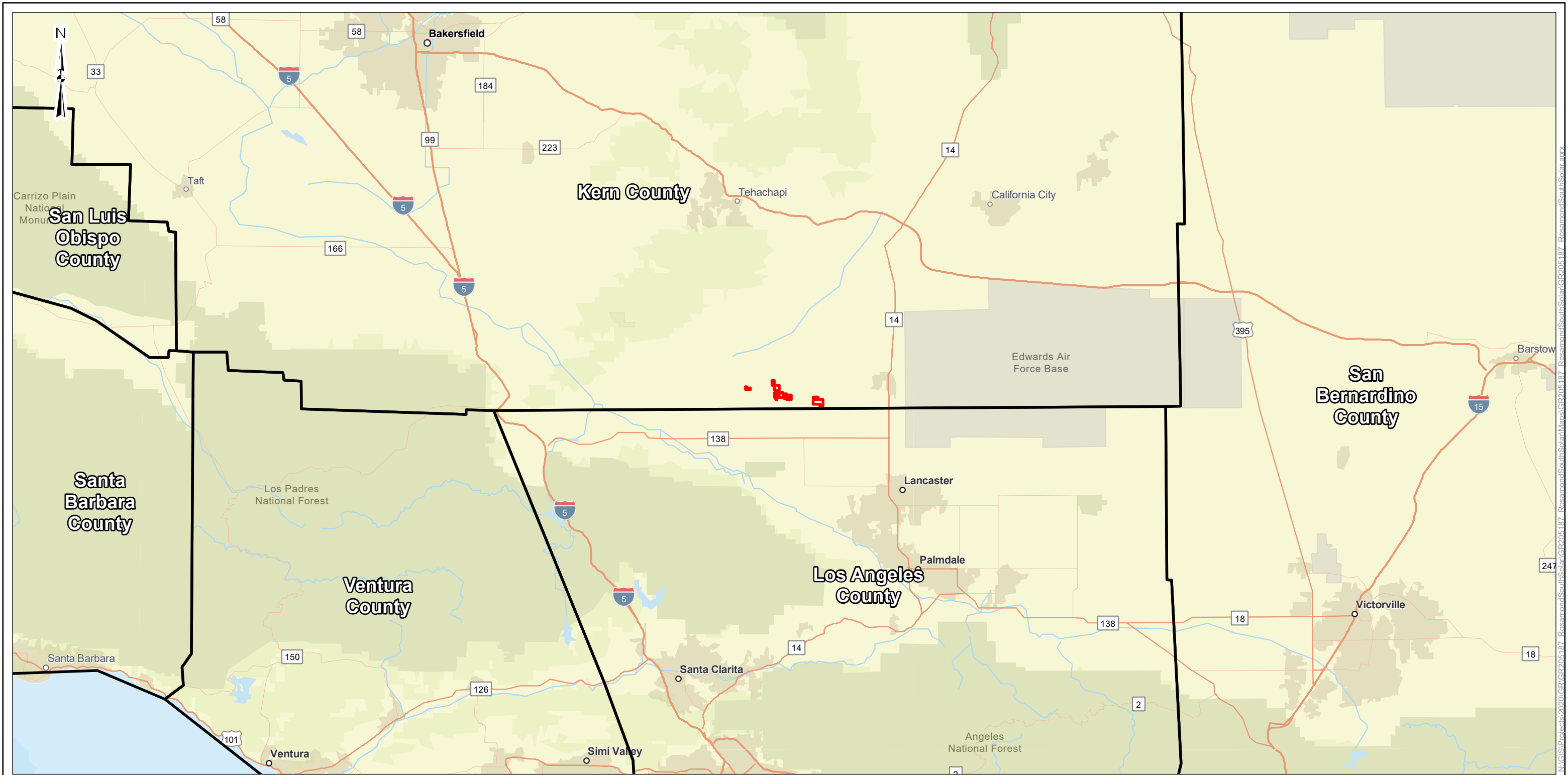
Depth to Bedrock

Depth to Groundwater

FEMA Flood Zones

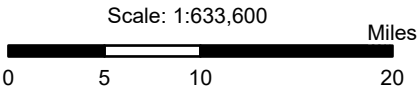
Flood Frequency

National Wetlands Inventory



 Project Site

DATA SOURCES:
ESRI WMS - Streets, Topographic



Project No.:	GR205187
Date:	Sep 2020
Drawn By:	PNM
Reviewed By:	JRG

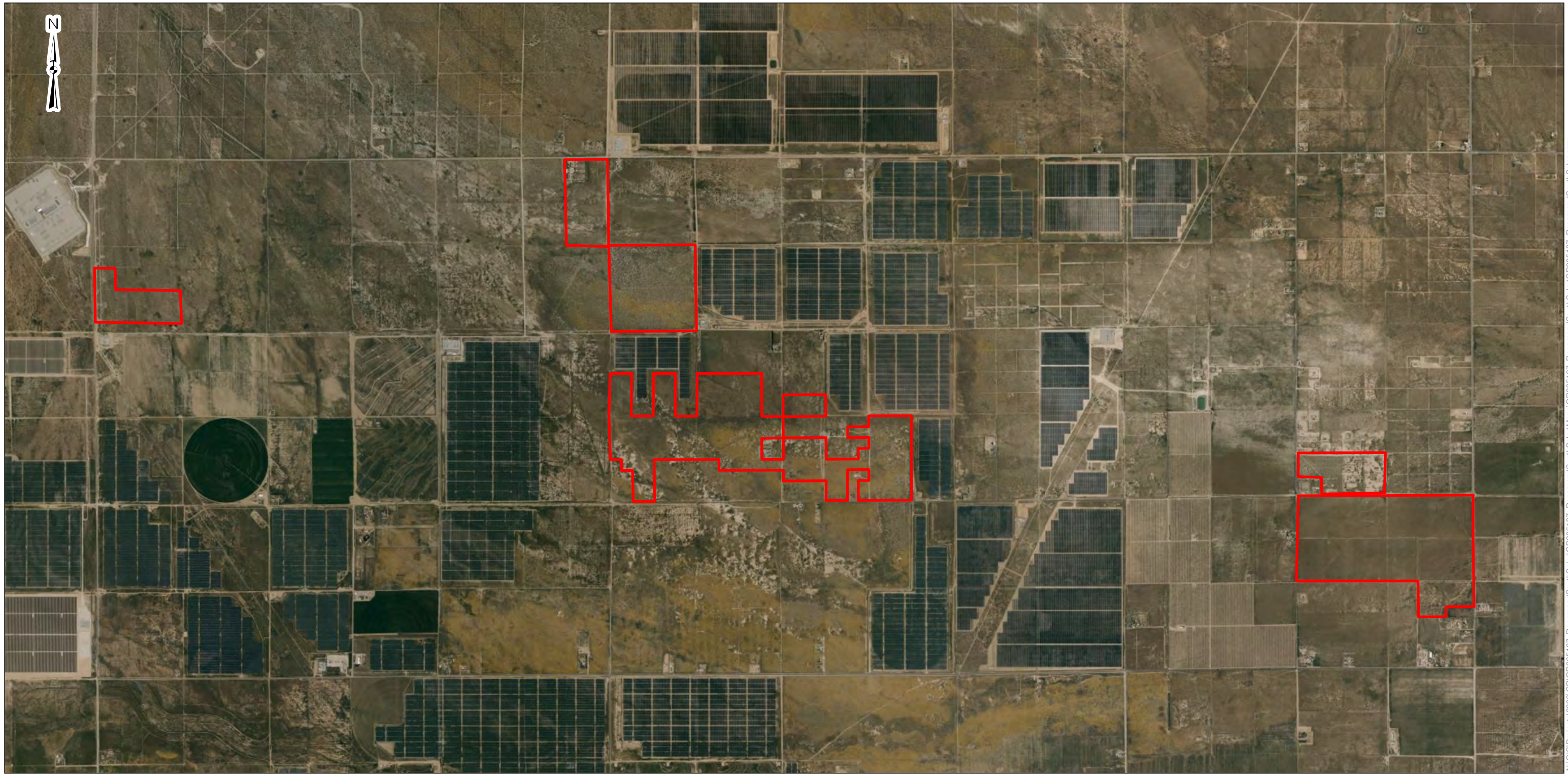


10841 S. Ridgeview Road
PH. (800) 593-7777

Olathe, KS 66061
terracon.com

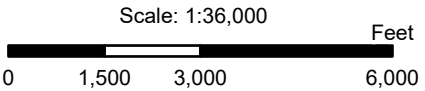
Site Location
Rosamond South Solar Clearway Energy Group Avenue A, Rosamond CA

Exhibit
1



 Project Site

DATA SOURCES:
ESRI WMS - Imagery, Topographic



Project No.:
GR205187
Date:
Sep 2020
Drawn By:
PNM
Reviewed By:
JRG



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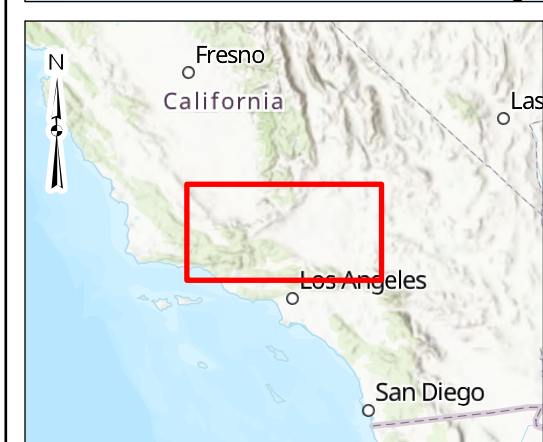
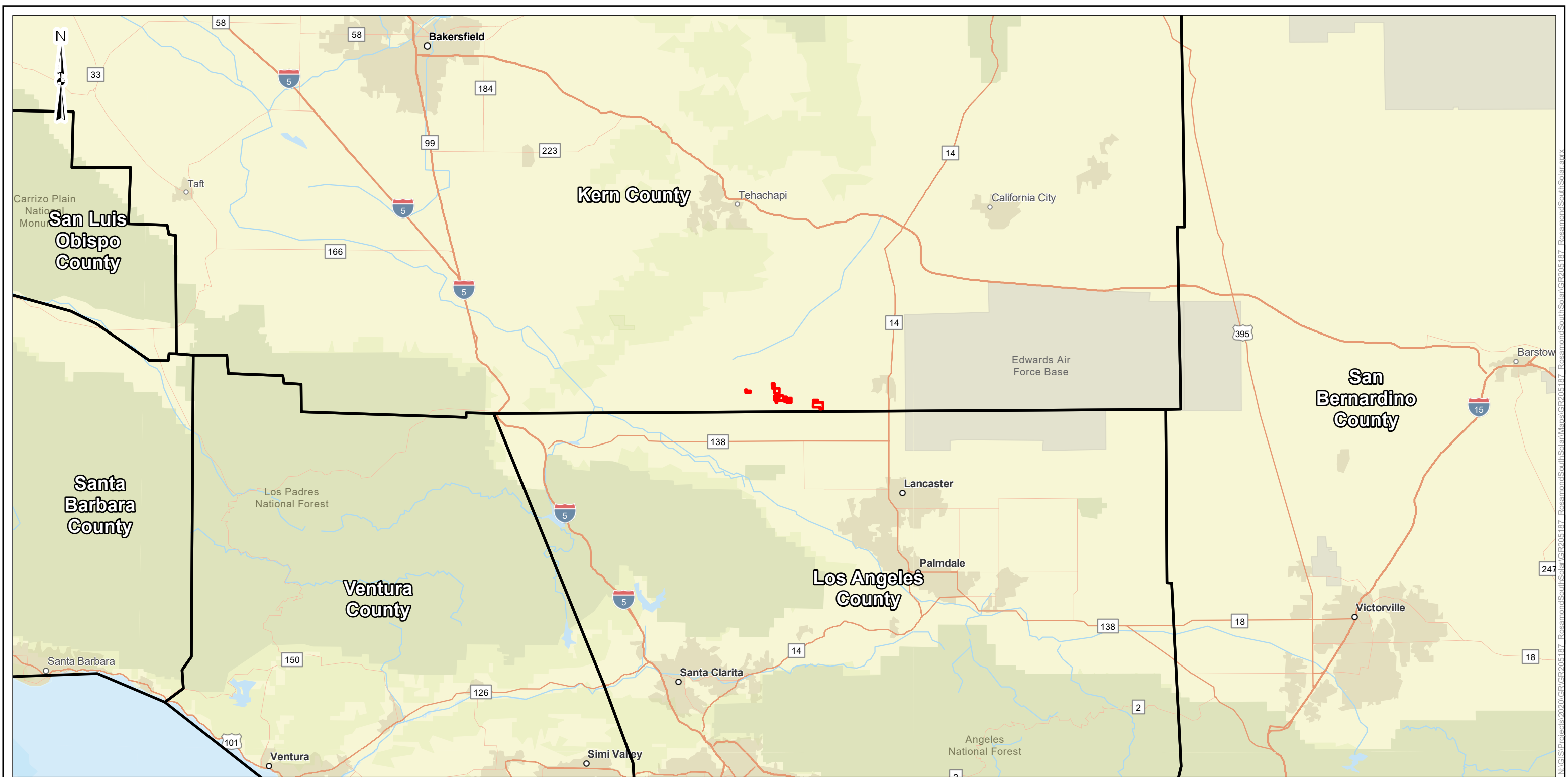
Olathe, KS 66061
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Site Layout

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

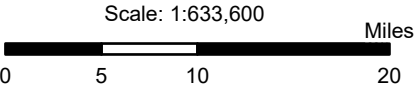
Exhibit

2



 Project Site

DATA SOURCES:
ESRI WMS - Streets, Topographic



Project No.:	GR205187
Date:	Sep 2020
Drawn By:	PNM
Reviewed By:	JRG

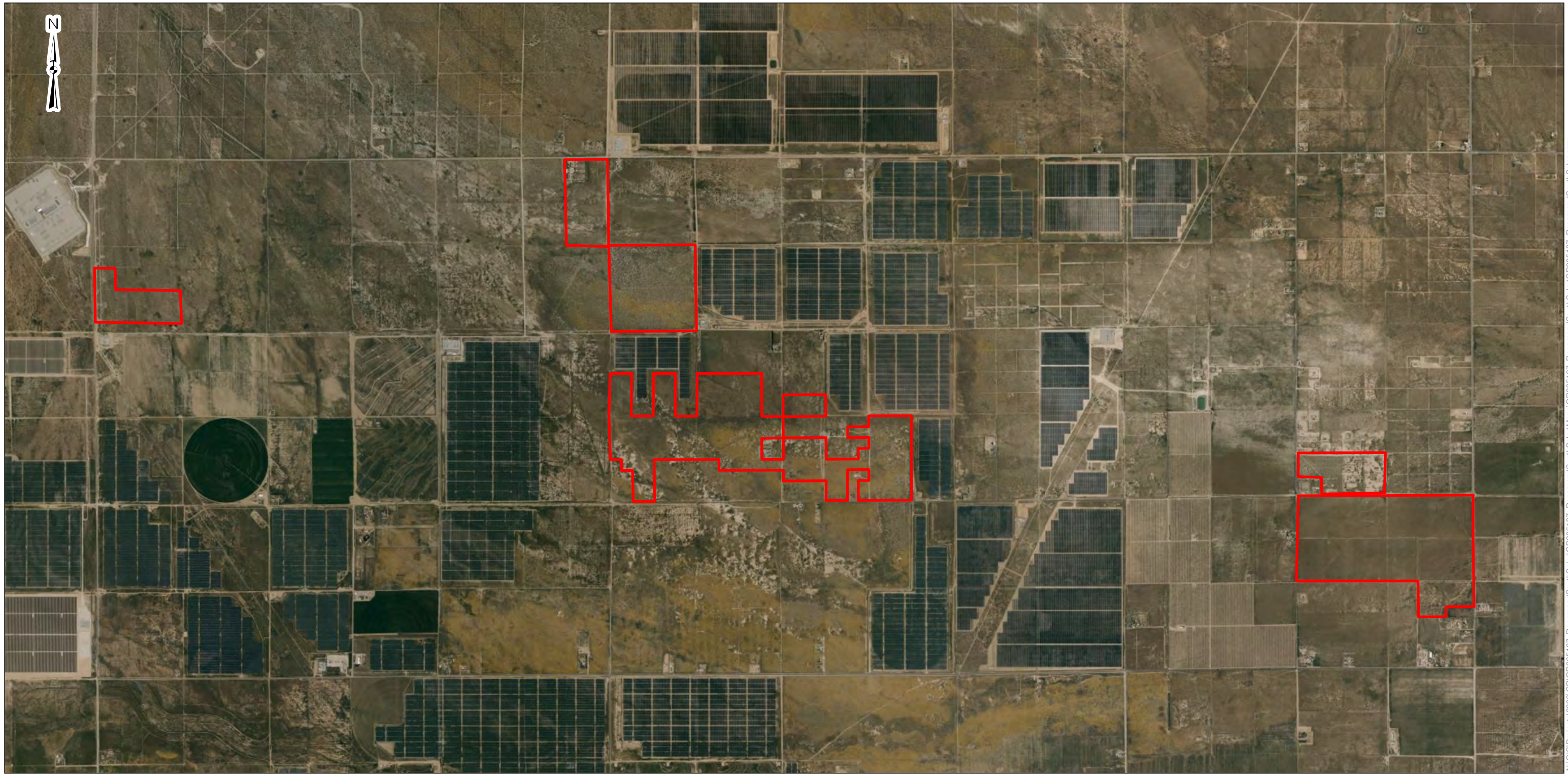


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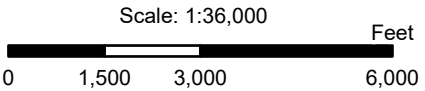
Site Location
Rosamond South Solar Clearway Energy Group Avenue A, Rosamond CA

Exhibit
1



 Project Site

DATA SOURCES:
ESRI WMS - Imagery, Topographic



Project No.:
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Date:
Sep 2020
Drawn By:
PNM
Reviewed By:
JRG



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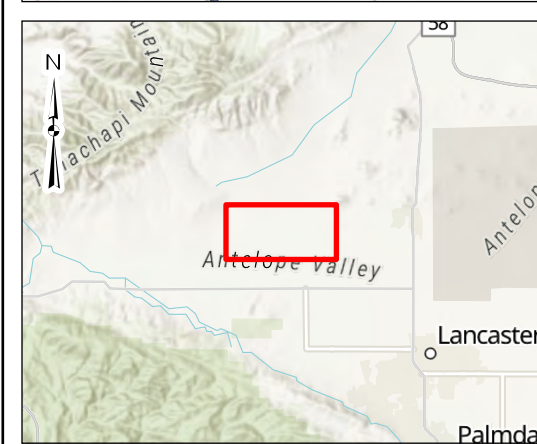
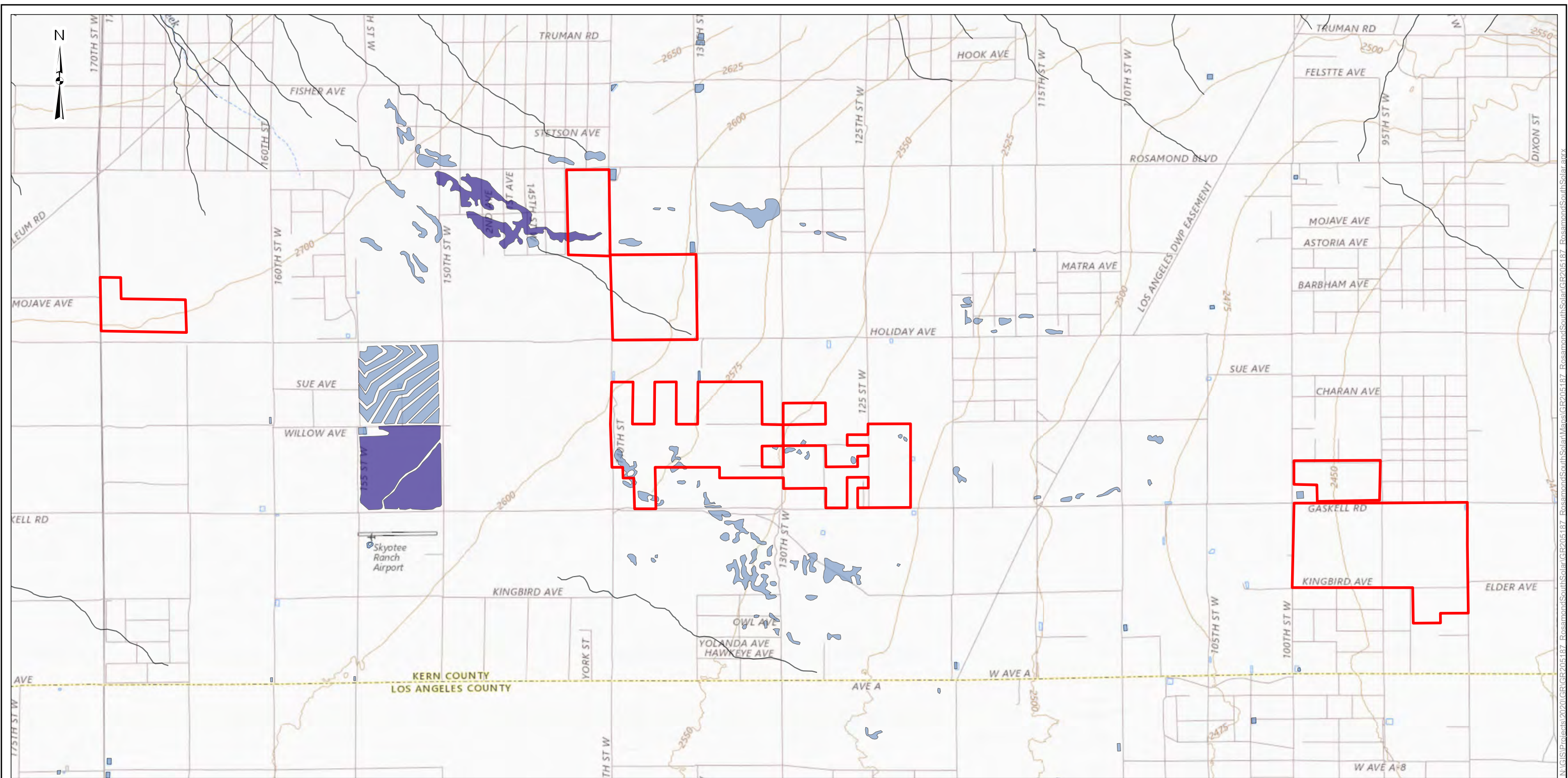
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Site Layout

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

2



- Project Site**
- National Wetlands Inventory**
- Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine

DATA SOURCES:
ESRI WMS - Topographic
USFWS - National Wetlands Inventory

Scale: 1:36,000

0 1,500 3,000 6,000 Feet

Project No.:
GR205187

Date:
Sep 2020

Drawn By:
PNM

Reviewed By:
JRG

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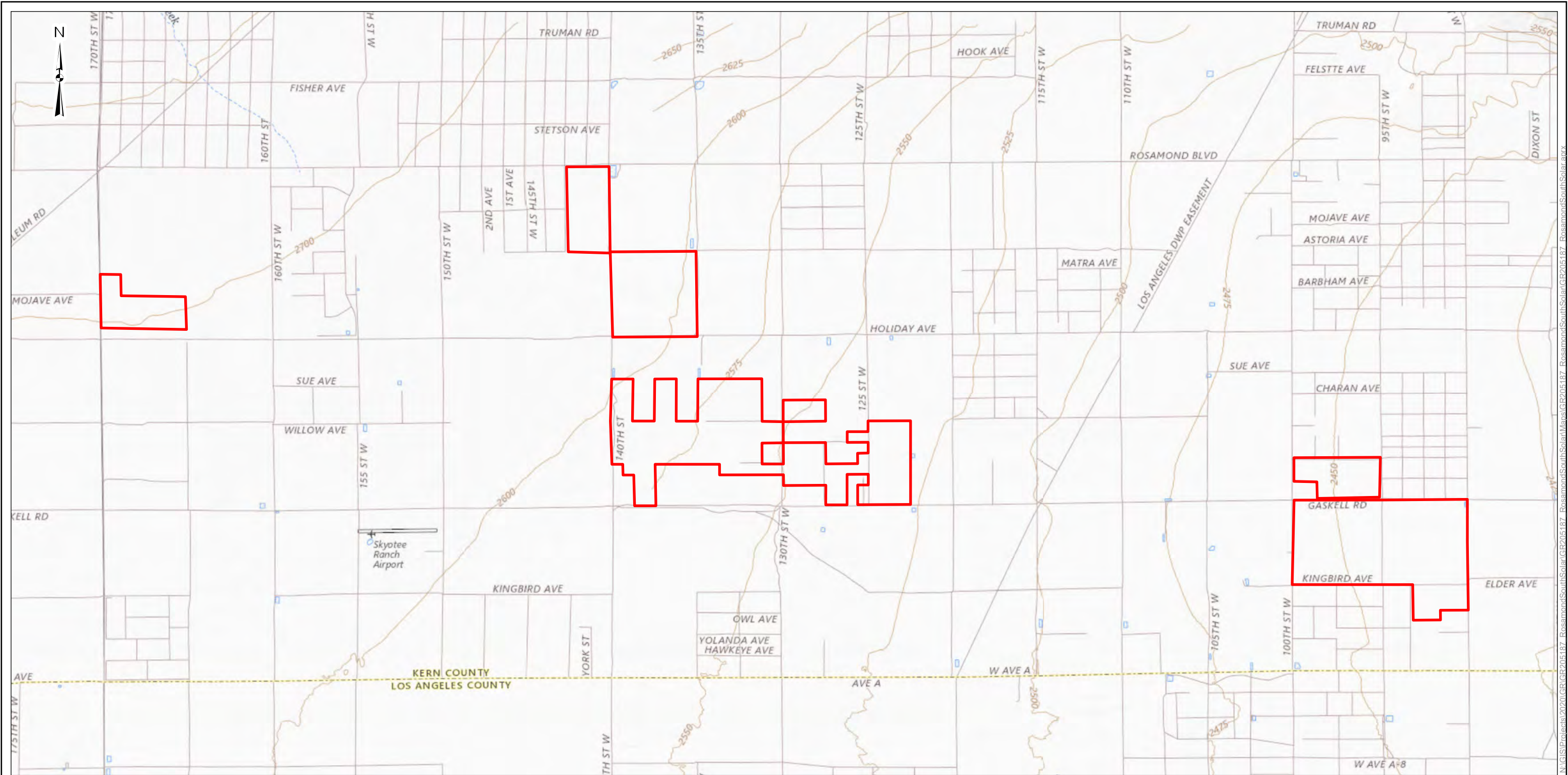
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National Wetlands Inventory

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

12



 Project Site

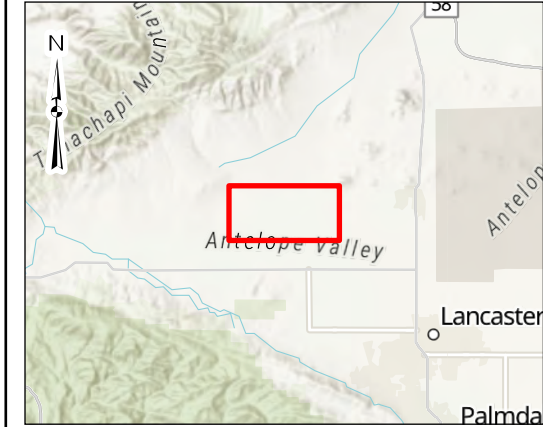
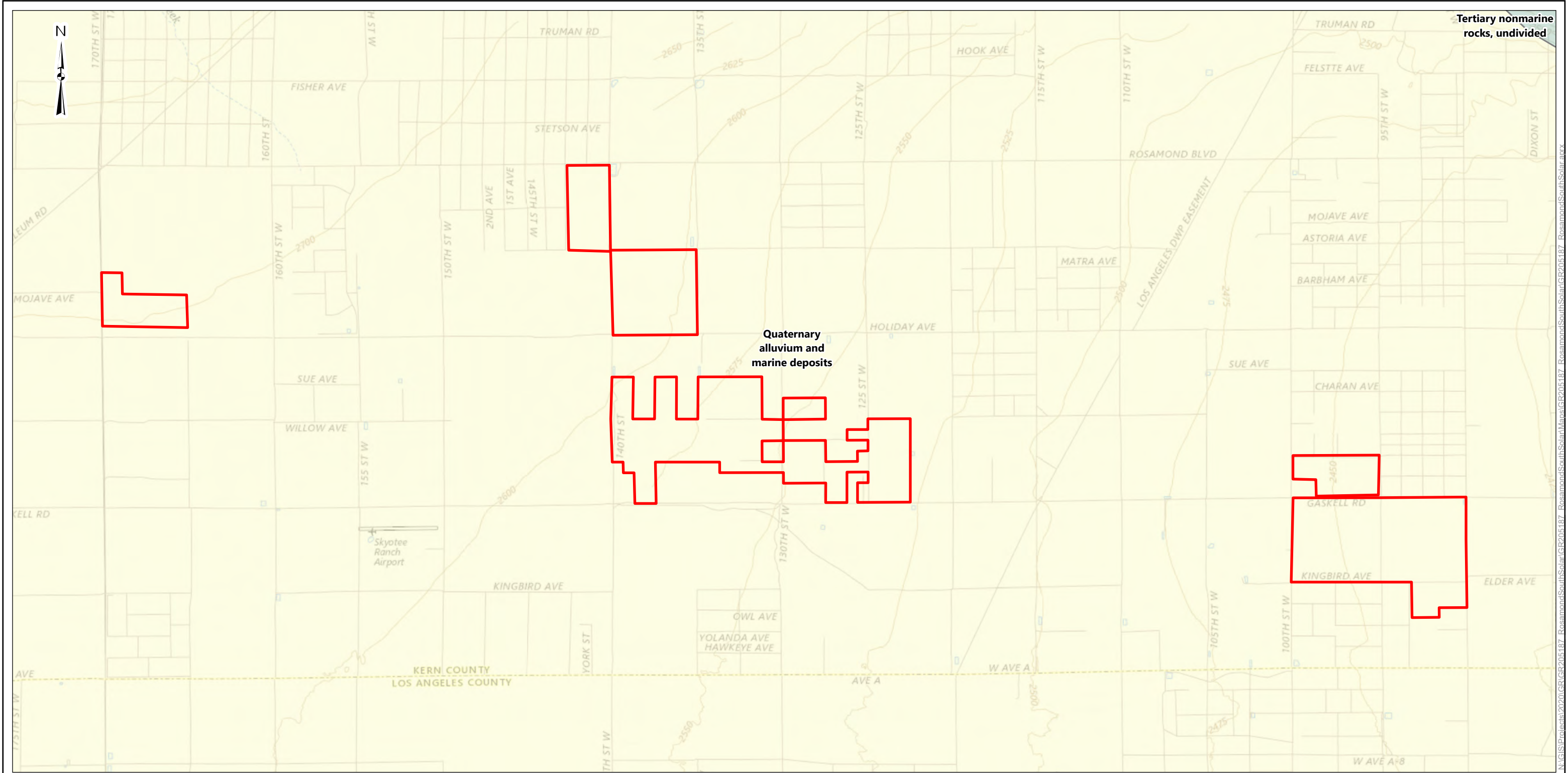
DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap

Scale: 1:36,000
0 1,500 3,000 6,000 Feet

Project No.:
GR205187
Date:
Sep 2020
Drawn By:
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Reviewed By:
JRG

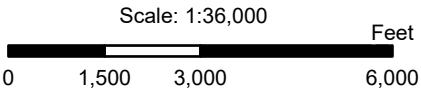
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Site Topography	Exhibit
Rosamond South Solar Clearway Energy Group Avenue A, Rosamond CA	3



- Project Site
- USGS Geology**
- Alluvium
- Conglomerate

DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap, Geology



Project No.:
GR205187
Date:
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Reviewed By:
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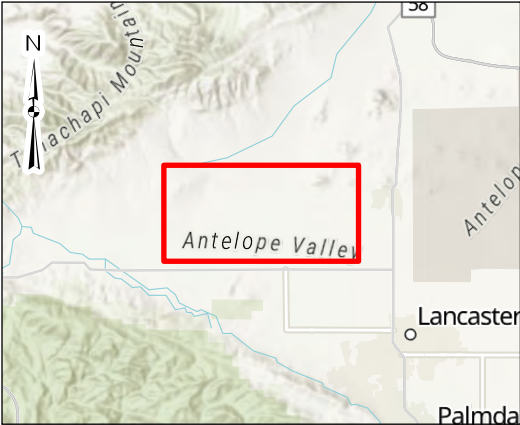
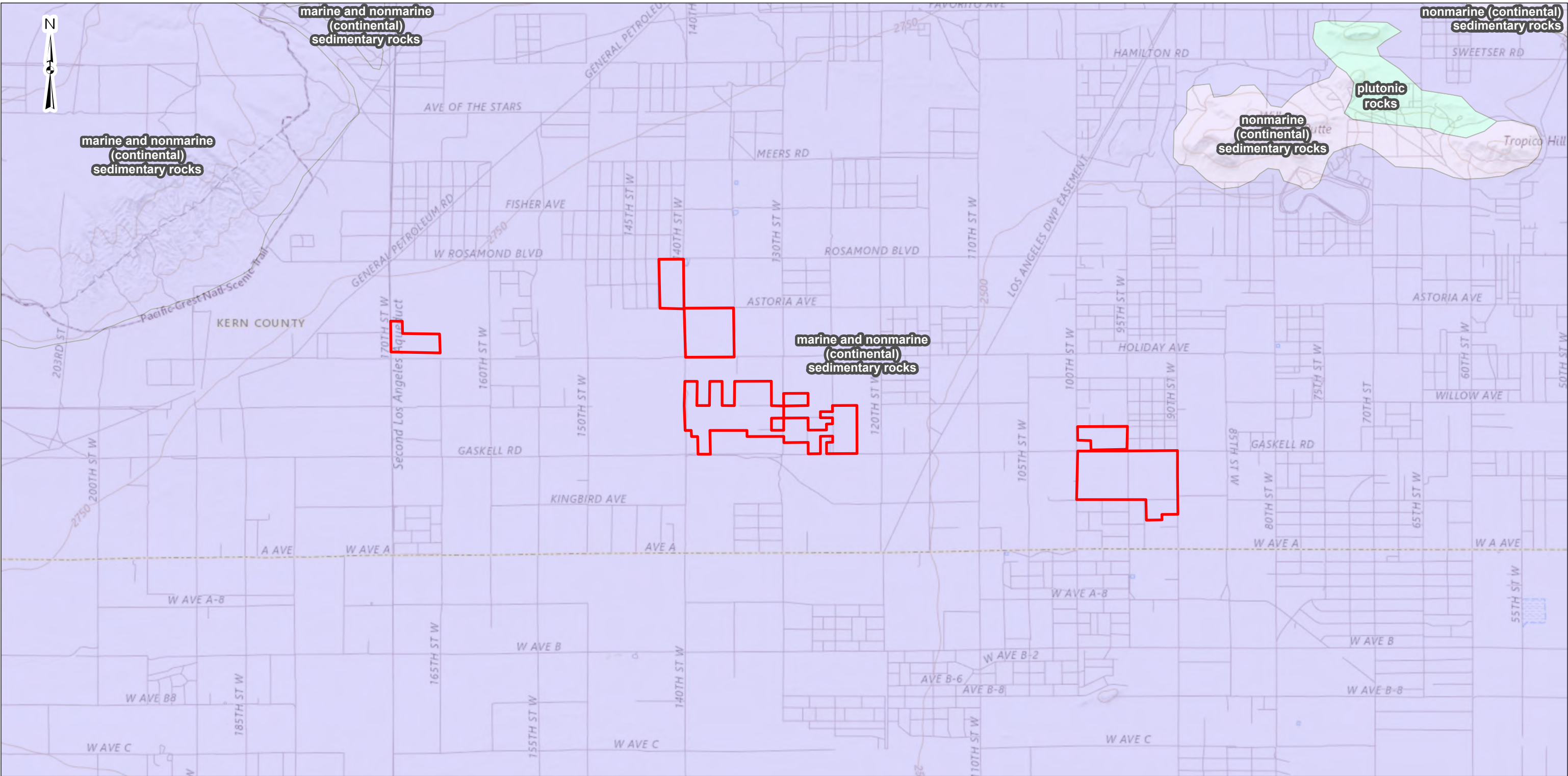
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USGS Geologic Map

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

4



- Project Site**
- General Lithology**
- Marine And Nonmarine (Sontinental) Sedimentary Rocks
 - Marine Sedimentary And Metasedimentary Rocks
 - Marine Sedimentary Rocks
 - Metavolcanic Rocks
 - Mixed Rocks
 - Nonmarine (Continental) Sedimentary Rocks
 - Plutonic Rocks
 - Volcanic Rocks

DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap, Geology
CGS/ Geologic Map of California

Scale: 1:63,360

0 2,500 5,000 10,000 Feet

Project No.:
GR205187
Date:
Sep 2020
Drawn By:
PNM
Reviewed By:
JRG

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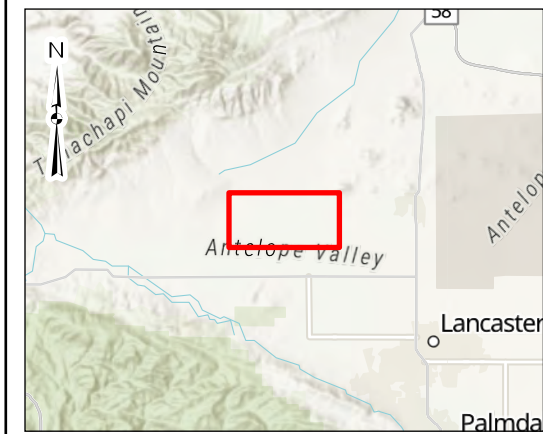
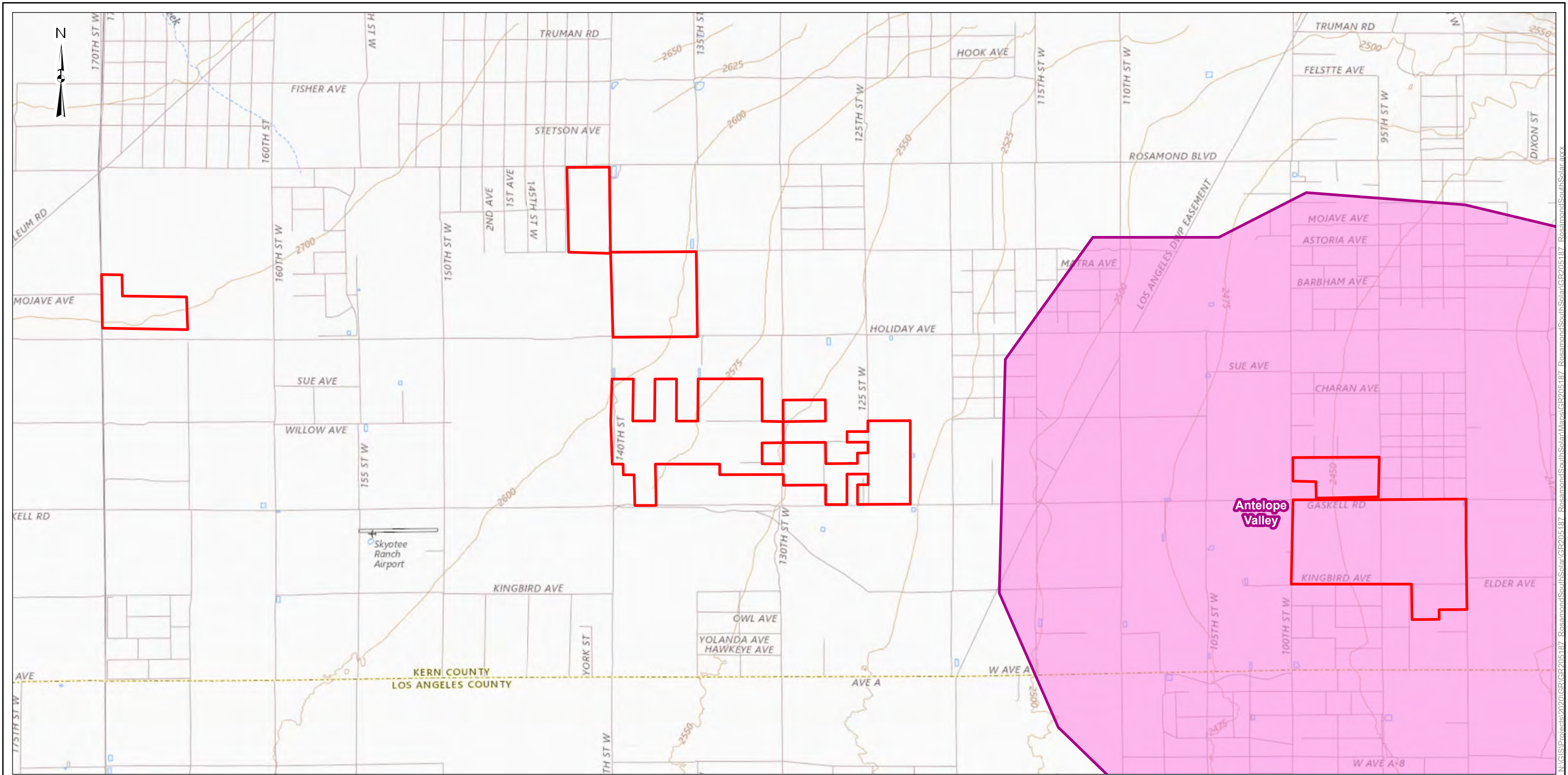
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Geologic Map of California

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

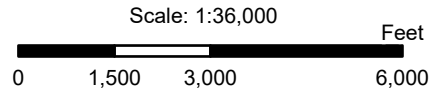
Exhibit

5



- Project Site
- Subsidence Zones

DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap
USGS Land Subsidence in California



Project No.:
GR205187
Date:
Sep 2020
Drawn By:
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Reviewed By:
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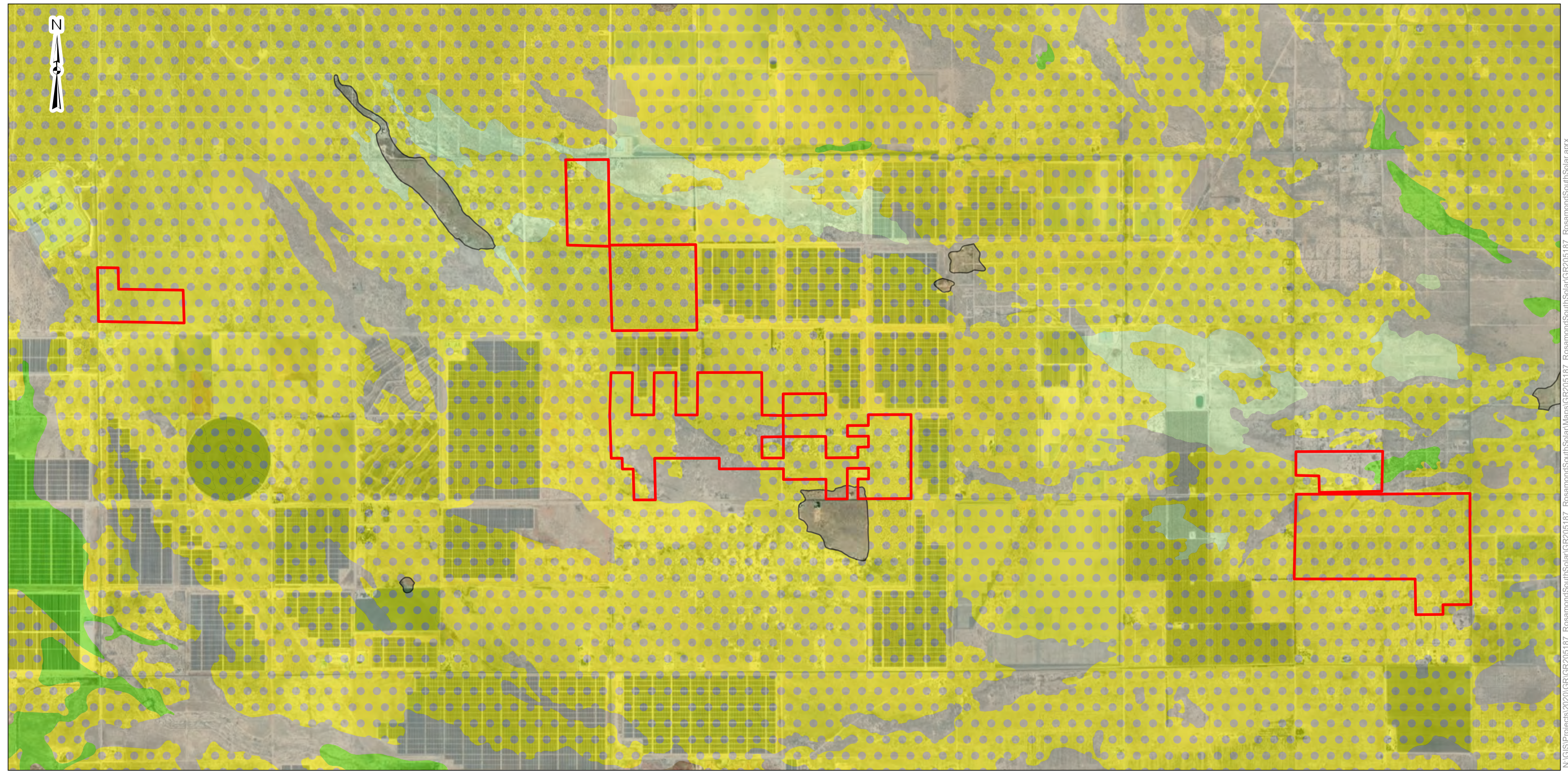


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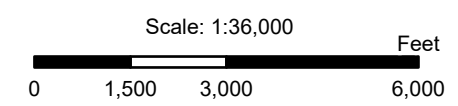
Subsidence Zones
Rosamond South Solar Clearway Energy Group Avenue A, Rosamond CA

Exhibit
6



- Project Site**
- USCS Soil Classification**
- CL: Clay of Low Plasticity, Lean Clay
 - CL-ML: Clay of Low Plasticity, Lean Clay, Silt
 - ML: Silt
 - SM: Silty Sand
 - Null

DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap
NRCS - USCS Soil Classifications

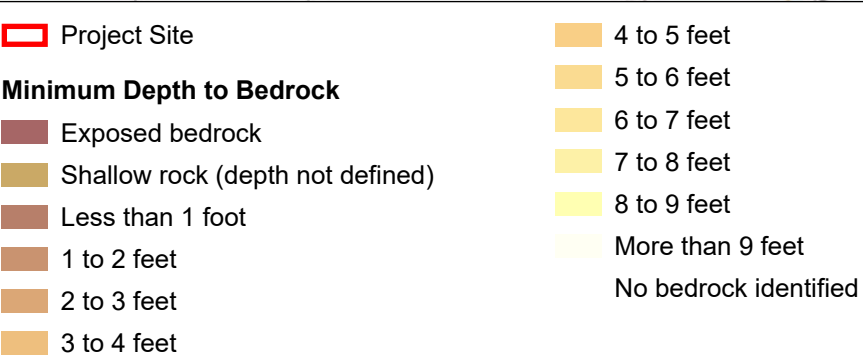
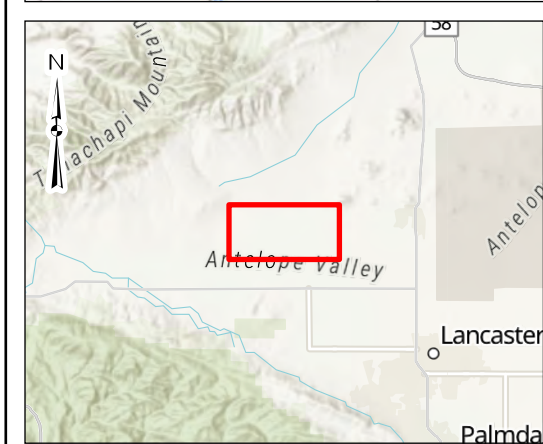
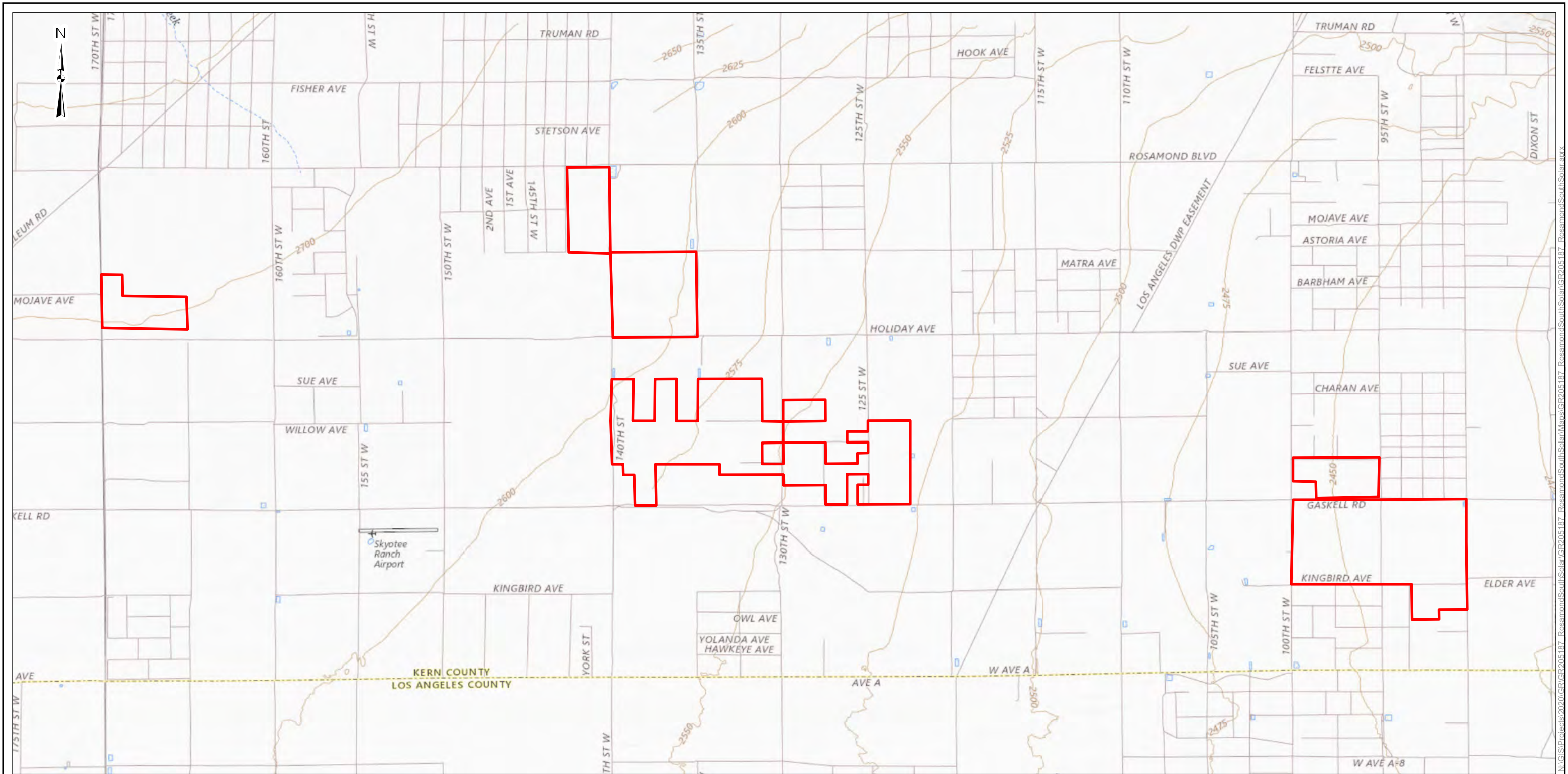


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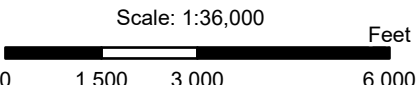
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USCS Soil Classifications	Exhibit
Rosamond South Solar Clearway Energy Group Avenue A, Rosamond CA	7



DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap
NRCS - Depth to Bedrock



Project No.: GR205187
Date: Sep 2020
Drawn By: PNM
Reviewed By: JRG

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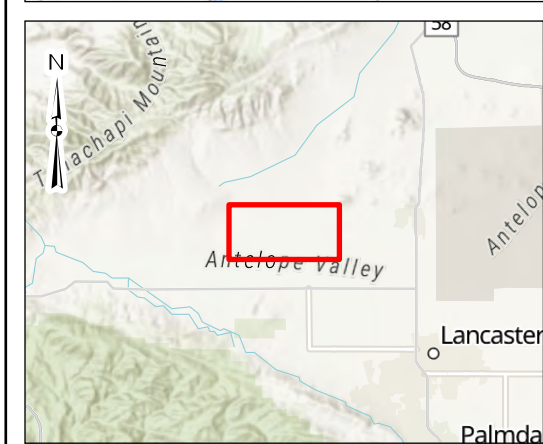
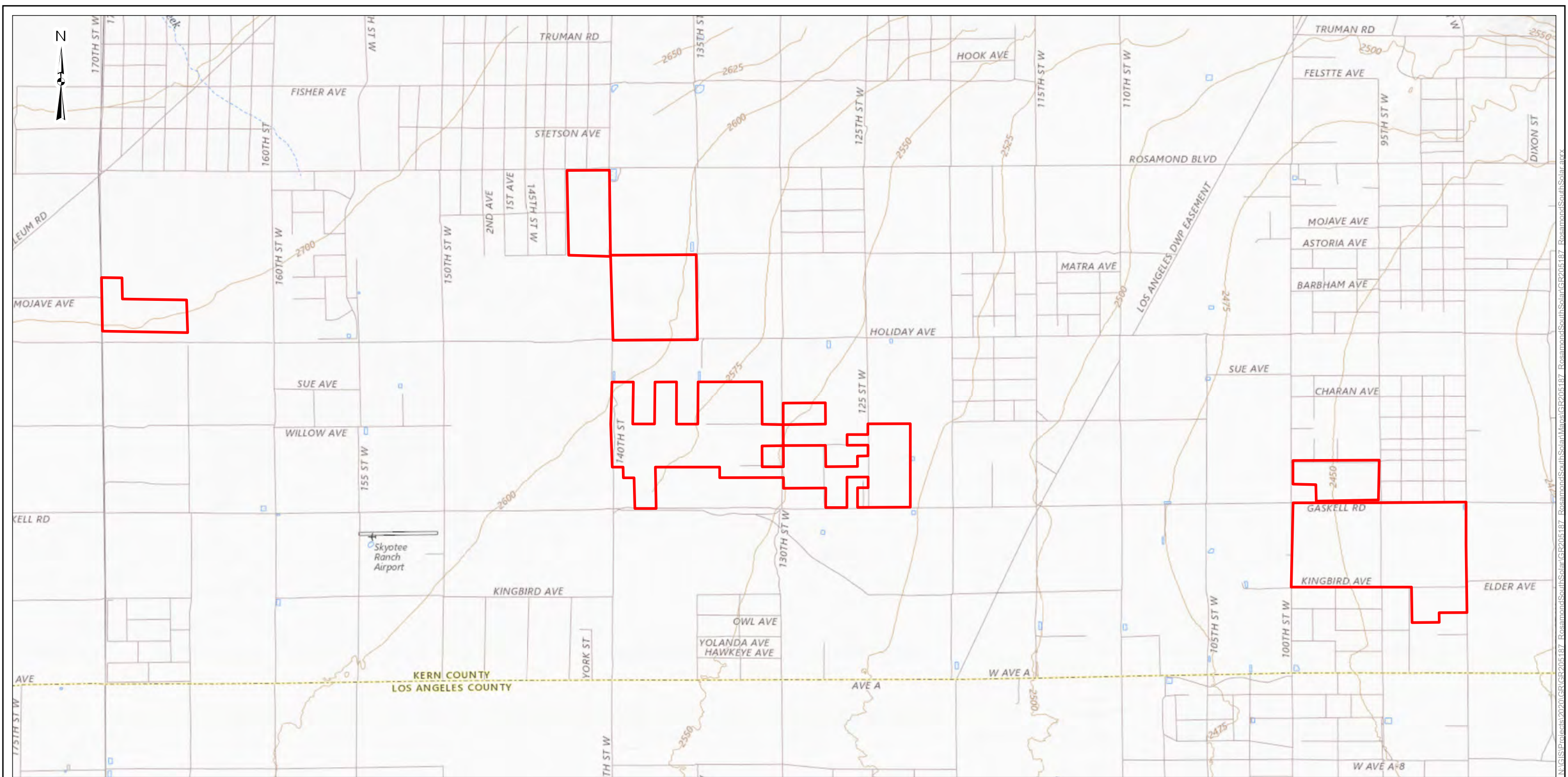
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Depth to Bedrock

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

8



- Project Site**
- Depth to Water**
- Surface Water
 - Less than 1 ft
 - 1 ft - 2 ft
 - 2 ft to 3 ft
 - 3 ft - 4 ft
 - 4 ft - 5 ft
 - 5 ft - 6 ft
 - 6 ft - 7 ft
 - 7 ft - 8 ft

DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap
NRCS - Depth to Groundwater

Scale: 1:36,000

0 1,500 3,000 6,000 Feet

Project No.:
GR205187
Date:
Sep 2020
Drawn By:
PNM
Reviewed By:
JRG

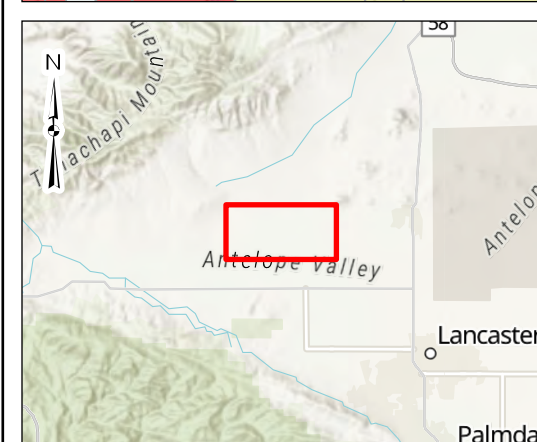
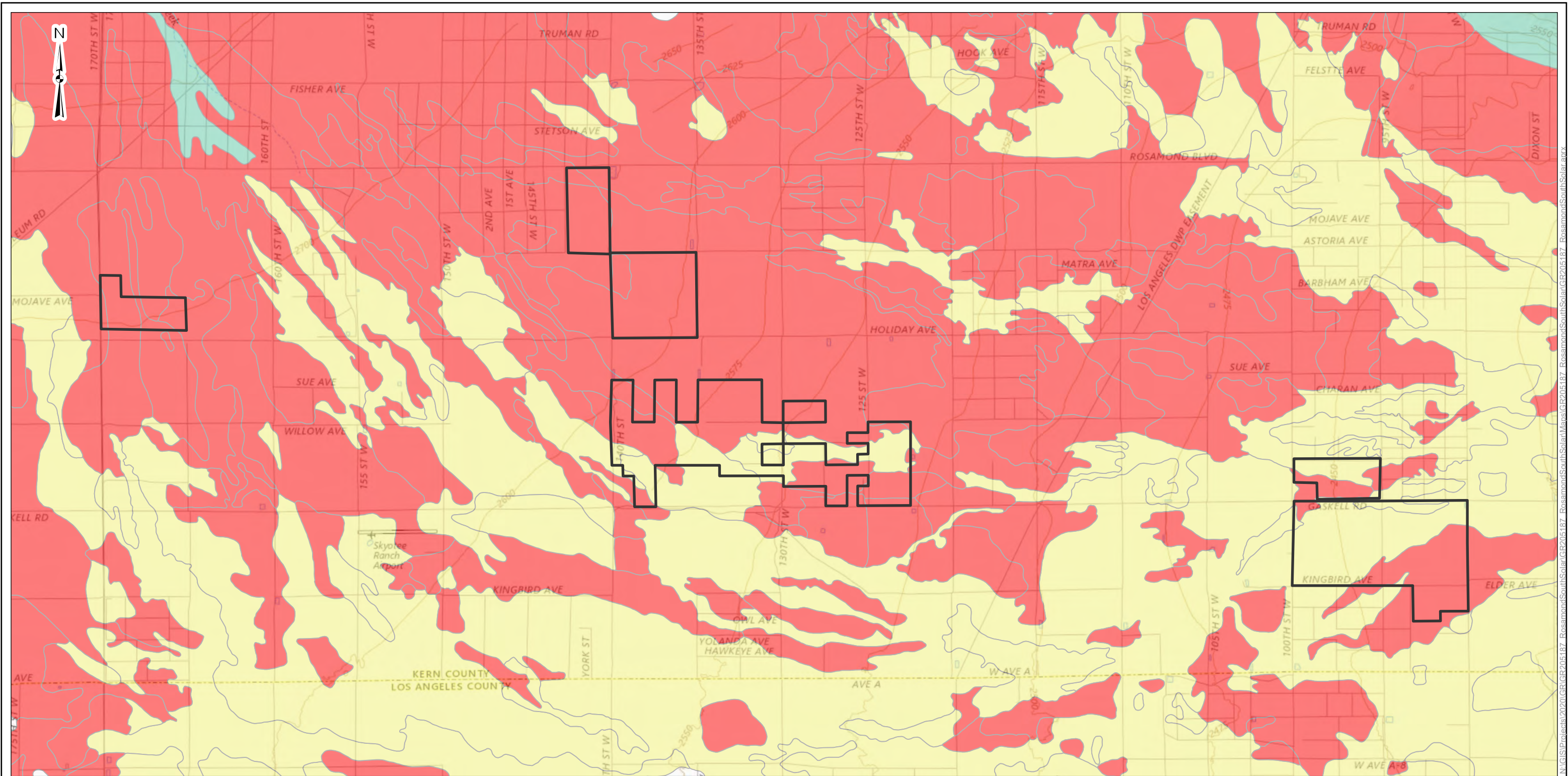
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Depth to Groundwater

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

9



- Project Site**
- Flood Frequency Rating**
- None
 - Occasional
 - Rare

DATA SOURCES:
ESRI WMS - Topographic
USGS - Topographic Basemap
USDA; Flooding Frequency

Scale: 1:36,000

0 1,500 3,000 6,000 Feet

Project No.:
GR205187
Date:
Sep 2020
Drawn By:
PNM
Reviewed By:
JRG

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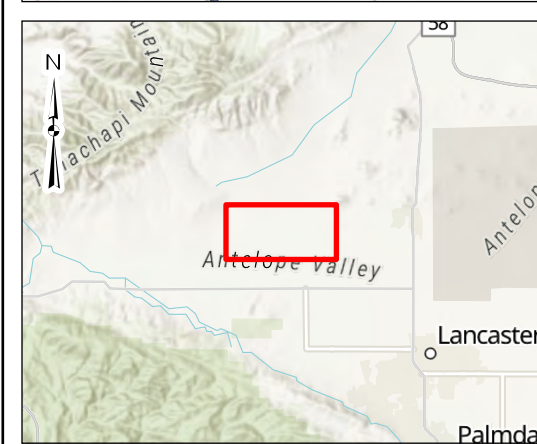
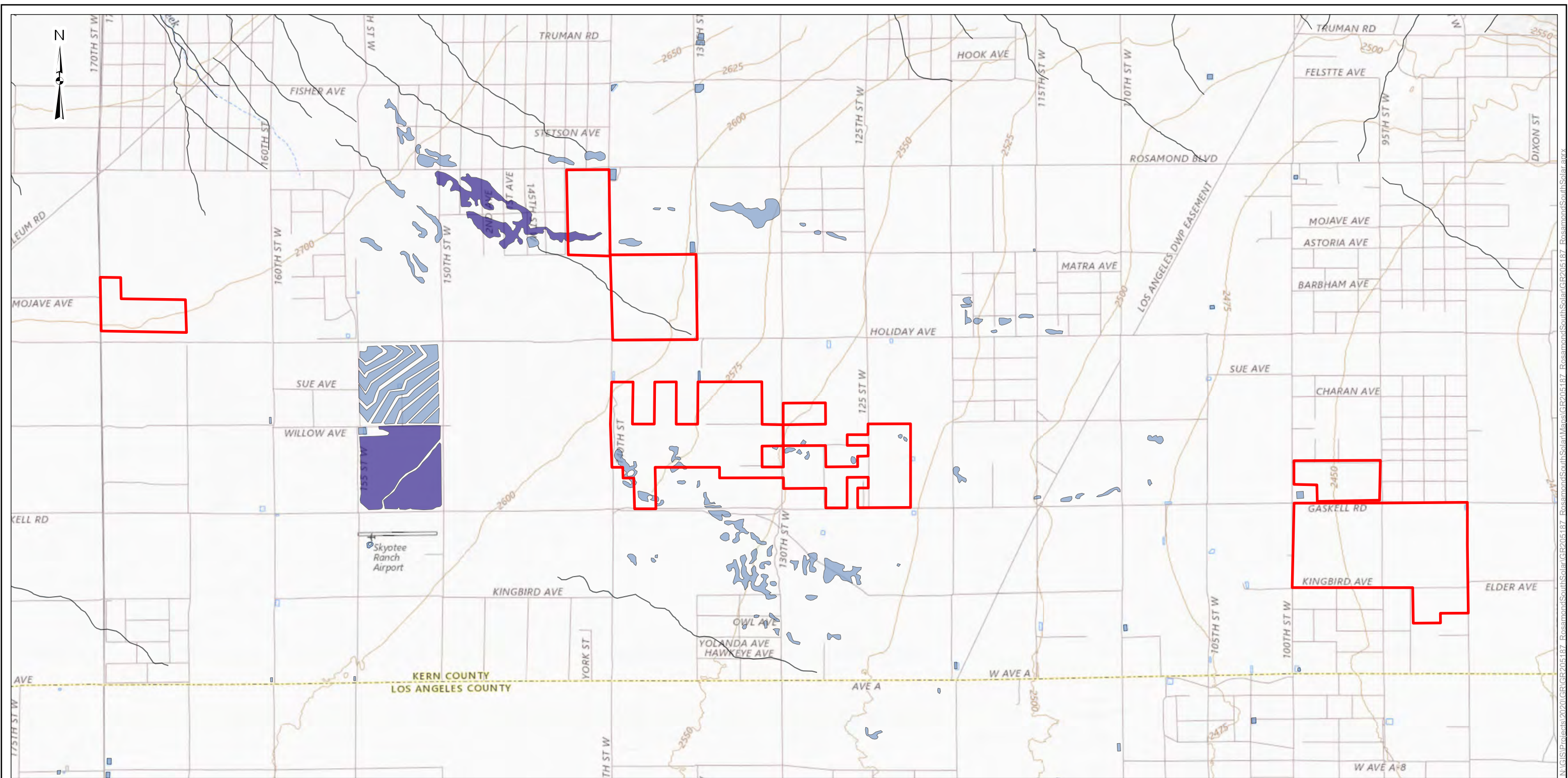
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Flood Frequency

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

11



- Project Site**
- National Wetlands Inventory**
- Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine

DATA SOURCES:
ESRI WMS - Topographic
USFWS - National Wetlands Inventory

Scale: 1:36,000

0 1,500 3,000 6,000 Feet

Project No.:
GR205187

Date:
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National Wetlands Inventory

Rosamond South Solar
Clearway Energy Group
Avenue A, Rosamond CA

Exhibit

12

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Appendix G-2

Paleontological Report



Paleontological Resources Technical Report

Rosamond South Solar
Kern County, California

December 3, 2020

Prepared for:

ASM Affiliates
20424 West Valley Blvd., Suite A
Tehachapi, California 93561

Prepared by:

Department of PaleoServices
San Diego Natural History Museum
P.O. Box 121390
San Diego, California 92112-1390

Katie M. McComas, M.S., Paleontological Report Writer & GIS Specialist
Thomas A. Deméré, Ph.D., Principal Paleontologist

Executive Summary

This technical report provides an assessment of paleontological resources at the proposed Rosamond South Solar project (Project) site in southeastern Kern County, California. The purpose of this report is to identify and summarize paleontological resources that occur in the vicinity of the Project site, identify Project elements (if any) that may negatively impact paleontological resources, and provide, if necessary, recommendations to reduce any potential negative impacts to less than significant levels. The report includes the results of an institutional records search conducted at the San Diego Natural History Museum (SDNHM).

The Project would involve the construction, operation, and eventual decommissioning of a utility-scale solar photovoltaic (PV) electricity generation and energy storage facility proposed by Golden Fields Solar IV, LLC, a subsidiary of Clearway Energy Group, LLC (Clearway) (Applicant). This facility would produce up to 154 megawatts (MW) Alternate Current (ac) and up to 200 MW of battery energy storage capacity. The Project would be located on approximately 1,292 acres of private land in southeastern Kern County, California. The Project site lies within the Antelope Valley region, within Sections 30 and 31 of Township 9 North, Range 13 West; Sections 20, 21, 27, and 28 of Township 9 North, Range 14 West; and Section 24 of Township 9 North, Range 15 West (San Bernardino Base Meridian). The Project site includes four Conditional Use Permit (CUP) areas that are generally bounded by West Rosamond Boulevard to the north, 90th Street West to the east, West Avenue A to the south, and 170th Street West to the west.

The Project site is located within the Antelope Valley of the western Mojave Desert, and is entirely underlain by alluvial and eolian deposits of Holocene to late Pleistocene-age that are derived from the regional erosion of the surrounding highlands (e.g., Tehachapi Mountains, San Gabriel Mountains). The specific geologic units underlying the Project site include late Holocene-age alluvial valley deposits (Qa), eolian and dune deposits (Qe), alluvial fan deposits (Qf), and alluvial wash deposits (Qw), and Holocene to late Pleistocene-age young alluvial valley deposits (Qya) and young alluvial fan deposits (Qyf). Alluvial deposition in the Antelope Valley has been ongoing since at least the early Pleistocene, and it is therefore believed that Holocene-age alluvial deposits (i.e., Qa, Qf, Qw, Qya, Qyf) transition downsection (i.e., at depth) into older alluvial deposits of Pleistocene-age. Based on the results of paleontological mitigation programs for adjacent projects (e.g., Solar Star Project), it is believed that the gradational contact between Holocene and Pleistocene-age deposits may occur as shallow as 15 feet below ground surface.

The institutional records search indicates that there are no known fossil collection localities from Holocene to Pleistocene-age alluvial or eolian deposits within a 1-mile radius of the Project site. However, both the Natural History Museum of Los Angeles County and San Bernardino County Museum document several localities discovered in Quaternary-age alluvial and lacustrine deposits of the western Mojave Desert, with additional fossil localities documented in the paleontological literature. These localities yielded fossil remains of large-bodied mammals (e.g., mammoth, horse, antilocaprid antelope, camel, bison, dog), as well as small mammals (e.g., rodents, bats, shrews, rabbits) and other terrestrial vertebrates (e.g., snakes, lizards, tortoises, birds).

Following the paleontological potential criteria developed by the Society of Vertebrate Paleontology (SVP, 2010), the late Holocene and Holocene to late Pleistocene-age sedimentary deposits (i.e., Qa, Qe, Qf, Qw, Qya, Qyf) within the Project site are assigned a low paleontological potential at depths of less than 15 feet below ground surface (where they are assumed to be Holocene in age), and an undetermined paleontological potential at depths greater than 15 feet below ground surface (where the strata may represent sedimentary deposits of Pleistocene-age). Geologic units with undetermined paleontological potential are considered to be potentially fossil-bearing until proven otherwise;

therefore, following a conservative approach, Project-related earthwork that would disturb deposits with an undetermined potential (i.e., earthwork extending greater than 15 feet below ground surface [bgs]) are assumed in this report to have the potential to result in impacts to paleontological resources unless mitigated. Of the Project components, as currently proposed, only drilling for the foundations of gen-tie line poles is anticipated to extend to depths of more than 15 feet bgs. It is also anticipated that the earthwork for installation of these foundation poles will involve very large diameter boreholes (e.g., 7 to 9 feet) that will generate large volumes of spoils. In addition, as more accurate specifications of proposed Project earthwork activities become available, there may be other proposed earthwork activities that will extend to depths of 15 feet or more bgs, and these earthwork activities should be evaluated at that time for their potential to impact paleontological resources.

Potential impacts to paleontological resources can be reduced through implementation of recommended mitigation measures PAL-1 (development and implementation of a Paleontological Resources Monitoring and Mitigation Plan) and PAL-2 (procedures to be implemented in the event of an inadvertent discovery). These measures reduce impacts through construction monitoring, and the salvage and conservation of any unearthed fossils.

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1.0 Introduction

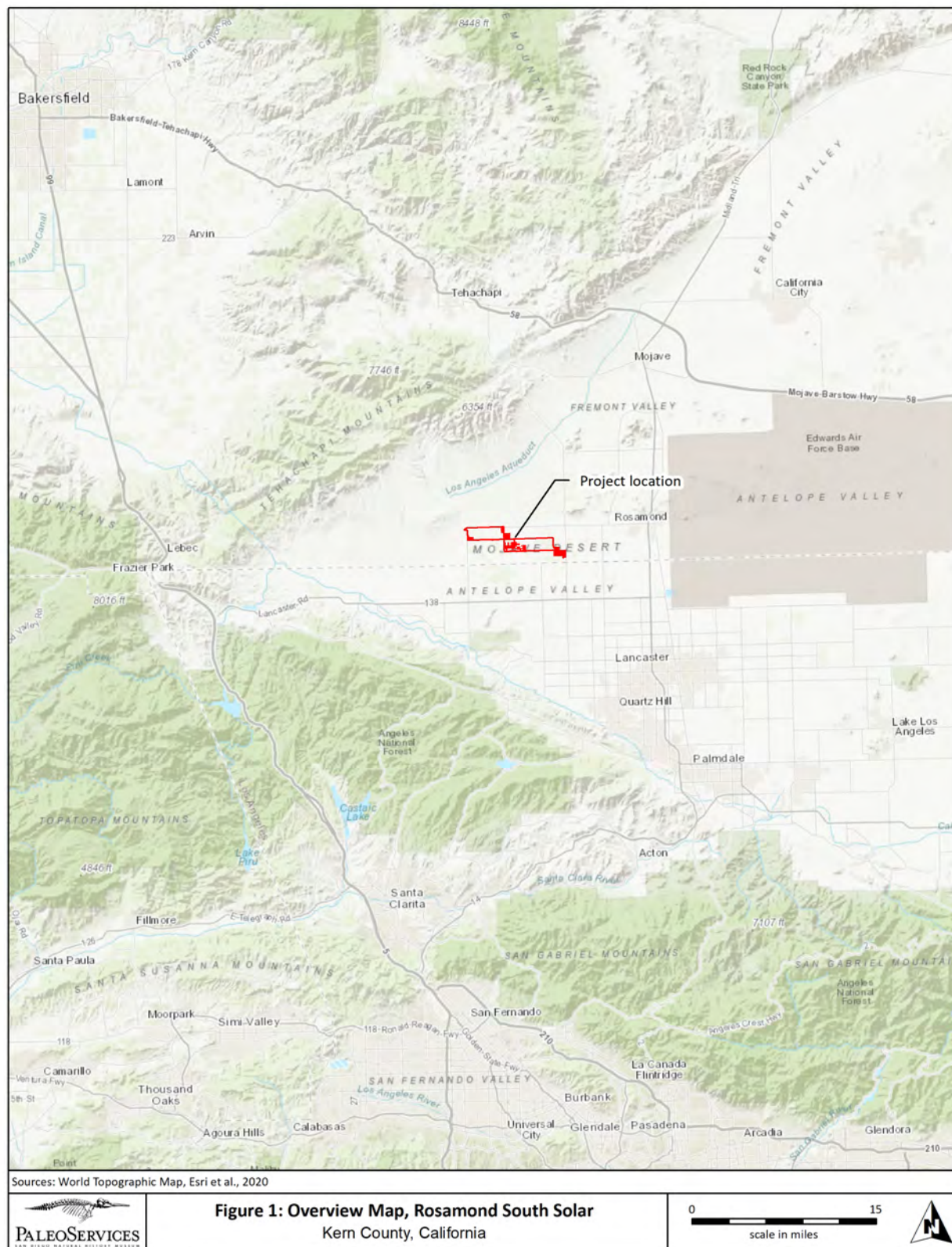
1.1 Project Description

This technical report provides an assessment of paleontological resources for the proposed Rosamond South Solar project (Project) site, located in southeastern Kern County, California (Figure 1). The Project would involve the construction, operation, and eventual decommissioning of a utility-scale solar photovoltaic (PV) electricity generation and energy storage facility proposed by Golden Fields Solar IV, LLC, a subsidiary of Clearway Energy Group, LLC (Clearway) (Applicant). This facility would produce up to 154 megawatts (MW) Alternate Current (ac) and up to 200 MW of battery energy storage capacity.

The Project would be located on approximately 1,292 acres of private land in southeastern Kern County, California. The Project site lies within the Antelope Valley region, within Sections 30 and 31 of Township 9 North, Range 13 West; Sections 20, 21, 27, and 28 of Township 9 North, Range 14 West; and Section 24 of Township 9 North, Range 15 West (San Bernardino Base Meridian). The Project site includes four Conditional Use Permit (CUP) areas that are generally bounded by West Rosamond Boulevard to the north, 90th Street West to the east, West Avenue A to the south, and 170th Street West to the west.

Major components of the Project are outlined below:

- **Solar array** – PV solar panels will be mounted on a fixed tilt or single-axis tracking system, supported by driven piers (piles) directly embedded into the ground.
- **Inverters and switchgear** – Centralized or string inverters may be utilized. Centralized inverters and transformers would be supported on small concrete or steel equipment pads on a 10- x 50-foot concrete footing, or on foundational piers. String inverters would be attached to each tracker row throughout the solar array.
- **Project substations** – Up to four project substations, one in each CUP area, could be constructed to support the 154MW project. Substations would measure approximately 250 feet by 250 feet each and would be protected with security fences. A small one-story control building would be located within each substation footprint.
- **Generation-tie (gen-tie) line** – Each CUP area would be connected to the existing Teddy Substation and/or the Whirlwind Substation via a new gen-tie line. Proposed gen-tie line routes will be constructed on either tubular steel monopoles or lattice structures up to 140 feet in height, or will be installed underground.
 - **CUP Area 1**, an overhead or underground 230kV gen-tie line extending north on 170th Street to tie into the Whirlwind Substation.
 - **CUP Area 2**, an overhead or underground 34.5kV gen-tie line connecting to the Teddy Substation, or a 230kV gen-tie line connecting directly to the Whirlwind Substation.
 - **CUP Area 3**, an overhead or underground 34.5kV gen-tie line connecting to the Teddy Substation, or a 230kV gen-tie line connecting directly to the Whirlwind Substation.
 - **CUP Area 4**, two underground or aboveground gen-tie alternatives are being considered:



- a 34.5kV gen-tie line extending west along Gaskell Road, then north along 150th Street, and then west along Holiday Avenue to terminate at the Teddy Substation, where it will be stepped up to 230kV; or
 - a 230kV gen-tie line extending north on 100th Street, and then west on Holiday Avenue to terminate at the Teddy Substation.
- **Teddy Substation to Whirlwind Substation**, two underground or aboveground alternatives are being considered:
 - a 230kV gen-tie line extending west from the Teddy Substation along Holiday Avenue, then north along 170th Street, then west along Rosamond Boulevard to tie into the Whirlwind Substation; or
 - a 230kV gen-tie line extending north of 140th Street, then west on Rosamond Boulevard to tie into the Whirlwind Substation.
- **Operations and Maintenance (O&M) facilities** – These facilities would include an O&M building measuring approximately 100 feet by 50 feet, a communications building measuring approximately 20 feet by 30 feet, and a parking area.
- **Battery Energy Storage System (BESS)** – The approximately 200 MW BESS would consist of a series of batteries housed within the inverter pads or in separate storage containers. The containers would be set on a concrete or steel pile foundation measuring approximately 8 feet wide by 10 feet long by 10 feet high. The BESS would have a total footprint of up to 20 acres.
- **Infrastructure improvements** – Existing roads would be utilized for access, while interior roads would measure 20 feet in width and consist of compacted native soil and stabilized with a soil stabilization material, if necessary. Chain-link security fencing with three-strand barbed wire strung one foot from the top of the fence would be installed around the perimeter of the Project site, with an access gate installed at each entry point, and remote-controlled cameras would be installed for added security. Manual, timed, and/or motion sensor lights would be installed at equipment pads. Telecommunications equipment, such as a microwave tower or underground fiber-optic system for essential communication, voice and data communications relay, a Supervisory Control and Data Acquisition (SCADA) system, auxiliary power, and fire protection would be installed at each inverter equipment pad, substation, and security system. An on-site solar meteorological station would be located near the O&M building, and would include solar energy (irradiance) meters, an air temperature sensor, and a wind anemometer. Storm water retention and/or infiltration basins, berms, or channels may be constructed to control surface runoff.
- **Offsite upgrades** – Upgrades would be made to the existing Teddy Substation and Whirlwind Substation.
 - **Teddy Substation** would be modified to include the addition of one new transformer and ancillary equipment, with all work expected to take place within the existing substation footprint.
 - **Whirlwind Substation** would be modified by SCE to connect the gen-tie line to the substation, with work to occur primarily inside the existing substation footprint.

Project construction activities would include site preparation and clearing/grading, collection system installation, foundations, PV system installation, testing, and site cleanup/restoration work. Within the solar array areas, a combination of “mow-and-roll” vegetation removal and, where necessary, use of land-leveling equipment such as a smooth steel drum roller may be used to prepare the site for array installation. Grading will be minimized to the extent practical. Conventional grading techniques may be used for construction of interior roads, equipment foundations, retention basins, berms, or channels. The PV system would be installed by driving piles up to 10 feet into the ground, but conventional foundations (such as isolated spread foundations or continuous footings) may be used where piles are not feasible or cost-effective. Trenching would be required for placement of underground electrical and communications lines. The switchyard areas would have a grounding grid installed and be covered with aggregate surfacing. Collection and transmission structures from the substations and switchyards to the existing transmission line would require drilling for foundation support.

Within the solar fields, site preparation related ground disturbance is anticipated to be less than 24 inches. For all structural foundations, posts will be driven into the ground to a depth of up to 10 feet below surface grade, requiring no excavation. The specific dimensions of the remaining Project-related earthwork are currently undefined. Drilling for the foundations of gen-tie line poles is estimated to extend to depths of approximately 30 feet below surface grade. Posts for other equipment foundations are typically embedded to depths of approximately 10 feet below surface grade. Installation of underground cables is estimated to require excavation of trenches less than five feet deep.

Operation of the solar facility is not anticipated to require significant ground disturbance. O&M vehicles would include light duty trucks (e.g., pickup, flatbed) and other light equipment for maintenance and module washing. Heavy equipment would not be utilized during normal operation. Large or heavy equipment may be brought to the facility infrequently for equipment repair or replacement, or vegetation control.

Decommissioning of the solar facility would eventually include removal of aboveground equipment, including module poles and support structures, onsite transmission poles and the overhead collection system within the Project site, inverters, transformers, electrical wiring, equipment on the inverter pads, and related equipment and concrete pads. Project roads would be restored to their pre-construction condition unless otherwise elected by the landowner. The area would be thoroughly cleaned and all debris removed.

1.2 Scope of Work

The Project occurs in an area underlain by native sedimentary rocks. For this reason, a paleontological resource assessment was conducted to determine whether construction of the Project has the potential to negatively impact paleontological resources. This assessment report is intended to summarize existing paleontological resource data within the Project site, discuss the significance of these resources, examine Project-related potential impacts to paleontological resources, and suggest mitigation measures to reduce potential impacts to paleontological resources to less than significant levels. The assessment also includes the results of a literature review of relevant geological and paleontological reports, and an institutional records search of the paleontological collections at the San Diego Natural History Museum (SDNHM). This technical report was prepared by Katie M. McComas and Thomas A. Deméré of the Department of PaleoServices, SDNHM.

1.3 Definition of Paleontological Resources

As defined here, paleontological resources (i.e., fossils) are the buried remains and/or traces of prehistoric organisms (i.e., animals, plants, and microbes). Body fossils such as bones, teeth, shells,

leaves, and wood, as well as trace fossils such as tracks, trails, burrows, and footprints, are found in the geologic units/formations within which they were originally buried. The primary factor determining whether an object is a fossil or not is not how the organic remain or trace is preserved (e.g., “petrified”), but rather the age of the organic remain or trace. Although typically it is assumed that fossils must be older than ~11,700 years (i.e., the generally accepted end of the last glacial period of the Pleistocene Epoch), organic remains older than recorded human history and/or older than middle Holocene (about 5,000 radiocarbon years) can also be considered to represent fossils (SVP, 2010).

Fossils are considered important scientific and educational resources because they serve as direct and indirect evidence of prehistoric life and are used to understand the history of life on Earth, the nature of past environments and climates, the membership and structure of ancient ecosystems, and the pattern and process of organic evolution and extinction. In addition, fossils are considered to be non-renewable resources because typically the organisms they represent no longer exist. Thus, once destroyed, a particular fossil can never be replaced.

Finally, paleontological resources can be thought of as including not only the actual fossil remains and traces, but also the fossil collection localities and the geologic units containing those localities. The locality includes both the geographic and stratigraphic context of fossils—the place on the earth and stratum (deposited during a particular time in earth’s history) from which the fossils were collected. Localities themselves may persist for decades, in the case of a fossil-bearing outcrop that is protected from natural or human impacts, or may be temporarily exposed and ultimately destroyed, as is the case for fossil-bearing strata uncovered by erosion or construction. Localities are documented with a set of coordinates and a measured stratigraphic section tied to elevation detailing the lithology of the fossil-bearing stratum as well as that of overlying and underlying strata. This information provides essential context for any future scientific study and educational use of the recovered fossils.

1.3.1 Definition of Significant Paleontological Resources

The California Environmental Quality Act (CEQA, Public Resources Code Section 21000 *et seq.*) dictates that a paleontological resource is considered significant if it “has yielded, or may be likely to yield, information important in prehistory or history” (Section 15064.5, [a][3][D]). The Society of Vertebrate Paleontology (SVP) has further defined significant paleontological resources as consisting of “fossils and fossiliferous deposits[...]consisting of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils, and other data that provide taphonomic, taxonomic, phylogenetic, paleoecologic, stratigraphic, and/or biochronologic information” (SVP, 2010).

1.4 Regulatory Framework

Paleontological resources are considered scientifically and educationally significant nonrenewable resources, and as such they are protected under state (e.g., California Environmental Quality Act [CEQA]; Public Resources Code) and local (Kern County) laws, ordinances, and regulations, outlined below.

1.4.1 State

The California Environmental Quality Act (CEQA, Public Resources Code Section 21000 *et seq.*) protects paleontological resources on both state and private lands in California. This act requires the identification of environmental impacts of a proposed project, the determination of significance of the impacts, and the identification of alternative and/or mitigation measures to reduce adverse environmental impacts. The Guidelines for the Implementation of CEQA (Title 14, Chapter 3, California Code of Regulations: 15000 *et seq.*) outlines these necessary procedures for complying with CEQA. Paleontological resources are specifically included as a question in the CEQA Environmental Checklist (Section 15023, Appendix G): “Will the proposed project directly or indirectly destroy a unique

paleontological resource or site or unique geologic feature.” Also applicable to paleontological resources is the checklist question: “Does the project have the potential to... eliminate important examples of major periods of California history or pre-history.”

Most CEQA lead agencies follow the definitions and guidelines provided by SVP (2010), which are in line with industry standards (e.g., Murphey et al., 2019). SVP (2010) additionally provides criteria for determining the significance of paleontological resources (see sections 1.3.1 and 2.2), and for appropriate measures to minimize impacts to paleontological resources. As advised by SVP (2010), impacts to paleontological resources can be minimized to a level below the threshold of significance through 1.) the permanent preservation of a fossil locality and its contained fossil resources; or 2.) the implementation of a paleontological mitigation program that would reduce any adverse impacts to a level below the threshold of significance through the salvage and permanent storage of any salvaged fossils in an established scientific institution.

Other state requirements for paleontological resource management are included in the Public Resources Code (Chapter 1.7), Section 5097.5 and 30244. These statutes prohibit the removal of any paleontological site or feature on public lands without permission of the jurisdictional agency, defines the removal of paleontological sites or features as a misdemeanor, and requires reasonable mitigation of adverse impacts to paleontological resources from developments on public (state) lands.

1.4.2 Local: Kern County

The 2009 Kern County General Plan, Land Use, Conservation, Open Space Element (Section 1.10.3 Archeological, Paleontological, Cultural, and Historical Preservation) includes the following Policy and Implementation Measure relevant to paleontological resources:

- Implementation Measure M: In areas of known paleontological resources, the County should address the preservation of these resources, where feasible.

2.0 Methods

2.1 Paleontological Records Search and Literature Review

A paleontological records search was conducted at the SDNHM in order to identify known fossil collection localities within an approximately 1-mile radius of the Project site. In addition, paleontological records searches of the collections at the Natural History Museum of Los Angeles County (LACM) and San Bernardino County Museum (SBCM) were previously conducted for nearby solar development projects, located immediately adjacent to CUP Areas 2 and 3 and south of CUP Area 1 (Solar Star project) and north of CUP Areas 2 and 3 and west of CUP Area 4 (First Solar project) (Appendix A). These records searches summarized paleontological resources from the Antelope Valley as a whole, and thus are deemed appropriate for identifying known fossil collection localities in the vicinity of the Project site.

In addition, a literature review was conducted to gain a greater understanding of the geologic history of the area surrounding the Project site, as well as to determine the types of fossils that specific geologic units underlying the Project site have produced. The review included examination of relevant published geologic maps and reports, peer-reviewed papers, and other relevant literature (e.g., field trip guidebooks, unpublished theses and dissertations, archived paleontological mitigation reports). This approach was followed in recognition of the direct relationship between paleontological resources and the geologic units within which they are entombed. Knowing the geologic history of a particular area and the fossil productivity of geologic units that occur in that area, it is possible to predict where fossils

may or may not be encountered. Understanding the fossil content of a geologic unit everywhere it occurs is important for outlining the types of fossils that may occur within the unit, and confidently assigning a paleontological potential rating.

2.2 Paleontological Resource Assessment Criteria

The Society of Vertebrate Paleontology (SVP, 2010) has developed mitigation guidelines for paleontological resources that were developed with input from a variety of federal and state land management agencies and conform with industry standards (Murphey et al., 2019). As described in Section 1.4.1, use of the SVP (2010) guidelines is common practice by CEQA lead agencies.

The SVP (2010) guidelines recognize that significant paleontological resources are considered to include not only actual fossil remains and traces, but also the fossil collecting localities and the geologic units containing those fossils and localities, and thus evaluate paleontological potential (or paleontological sensitivity) of individual geologic units within a project area. Paleontological potential is determined based on the existence of known fossil localities within a given geologic unit, and/or the potential for future fossil discoveries, given the age and depositional environment of a particular geologic unit. The SVP guidelines include four classes of paleontological potential: High Potential, Low Potential, No Potential, or Undetermined Potential (SVP, 2010). A summary of the criteria for each paleontological potential ranking is outlined below.

2.2.1 High Potential

Geologic units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered are considered to have a high potential for containing additional significant paleontological resources. Geologic units classified as having high potential include, but are not limited to, some volcanoclastic formations (e. g., ashes or tephra), some low-grade metamorphic rocks which contain significant paleontological resources anywhere within their geographical extent, and sedimentary rock units temporally or lithologically suitable for the preservation of fossils (e. g., deposits aged middle Holocene and older consisting of fine-grained fluvial sandstones, argillaceous and carbonate-rich paleosols, cross-bedded point bar sandstones, fine-grained marine sandstones, etc.). Paleontological potential includes both the potential for yielding abundant or significant vertebrate fossils or for yielding significant invertebrate, plant, or trace fossils, as well as the importance of recovered evidence for new and significant taxonomic, phylogenetic, paleoecologic, taphonomic, biochronologic, or stratigraphic data. Geologic units which contain potentially datable organic remains older than late Holocene, including deposits associated with animal nests or middens, and geologic units which may contain new vertebrate deposits, traces, or trackways are also classified as having high potential.

2.2.2 Undetermined Potential

The definition for undetermined potential provided by SVP (2010) has been expanded for the purposes of this report in order to add more information related specifically to the management of paleontological resources in the context of mitigation paleontology. Geologic units are assigned an undetermined potential if there is little information available concerning their paleontological content, geologic age, and depositional environment. Further field study of the specific formation is necessary to determine if these geologic units have high or low potential to contain significant paleontological resources. For planning purposes, this class of resource potential represents a conservative assessment that assumes an undetermined geologic unit is fossil-bearing until proven otherwise.

In the context of mitigation paleontology, gaining additional information about a geologic unit assigned an undetermined potential in order to refine the resource potential ranking (e.g., to high potential or low potential) can be accomplished in several ways depending on the nature of the geologic unit and

whether it is exposed at the surface. Field surveys (e.g., a pre-construction survey as part of a paleontological resource assessment) can be conducted when a geologic unit is well exposed at the ground surface, allowing paleontologists to physically search for fossils while also studying the stratigraphy of the unit. In cases where the geologic unit is not exposed at the surface (e.g., is covered by disturbed areas such as concrete or agricultural topsoil, or occurs in the subsurface underlying another geologic unit), strategically located excavations into subsurface stratigraphy may be conducted to gain additional information (e.g., geotechnical investigation boreholes or trenches). Paleontological monitoring of excavations into a geologic unit with an undetermined potential as part of a paleontological monitoring program may also allow for refinement of the resource potential ranking of the unit over the course of the monitoring program. In this case, the results of the monitoring program are used to routinely reevaluate the resource potential ranking of the geologic unit.

2.2.3 Low Potential

Reports in the paleontological literature or field surveys by a qualified professional paleontologist may allow determination that some geologic units have low potential for yielding significant fossils. Such geologic units will be poorly represented by fossil specimens in institutional collections, or, based on general scientific consensus, only preserve fossils in rare circumstances where the presence of fossils is an exception not the rule, e. g. basalt flows or Recent colluvium. Geologic units with low potential typically will not require impact mitigation measures to protect fossils.

2.2.4 No Potential

Geologic units with no potential are either entirely igneous in origin and therefore do not contain fossil remains, or are moderately to highly metamorphosed and thus any contained fossil remains have been destroyed. Artificial fill materials also have no potential, because the stratigraphic and geologic context of any contained organic remains (i.e., fossils) has been lost. For projects encountering only these types of geologic units, paleontological resources can generally be eliminated as a concern, and no further action taken.

2.3 Paleontological Impact Analysis

Direct impacts to paleontological resources occur when earthwork operations cut into the geologic units within which fossils are buried and physically destroy the fossil remains. As such, only those excavations that will disturb potentially fossil-bearing geologic units have the potential to significantly impact paleontological resources. As described above, potentially fossil-bearing geologic units are those rated with a high potential. Taking a conservative approach, geologic units with an undetermined potential are also considered to be potentially fossil-bearing, until proven otherwise. Although impact avoidance is possible through relocation of a proposed action, paleontological monitoring during construction is typically recommended to reduce any negative impacts to paleontological resources to less than significant levels.

The purpose of the impact analysis is to determine which (if any) of the proposed Project-related earthwork activities may disturb potentially fossil-bearing geologic units, and where and at what depths these potential impacts will occur. The paleontological impact analysis involved analysis of available Project documents and comparison with geological and paleontological data gathered during the records search and literature review.

3.0 Results

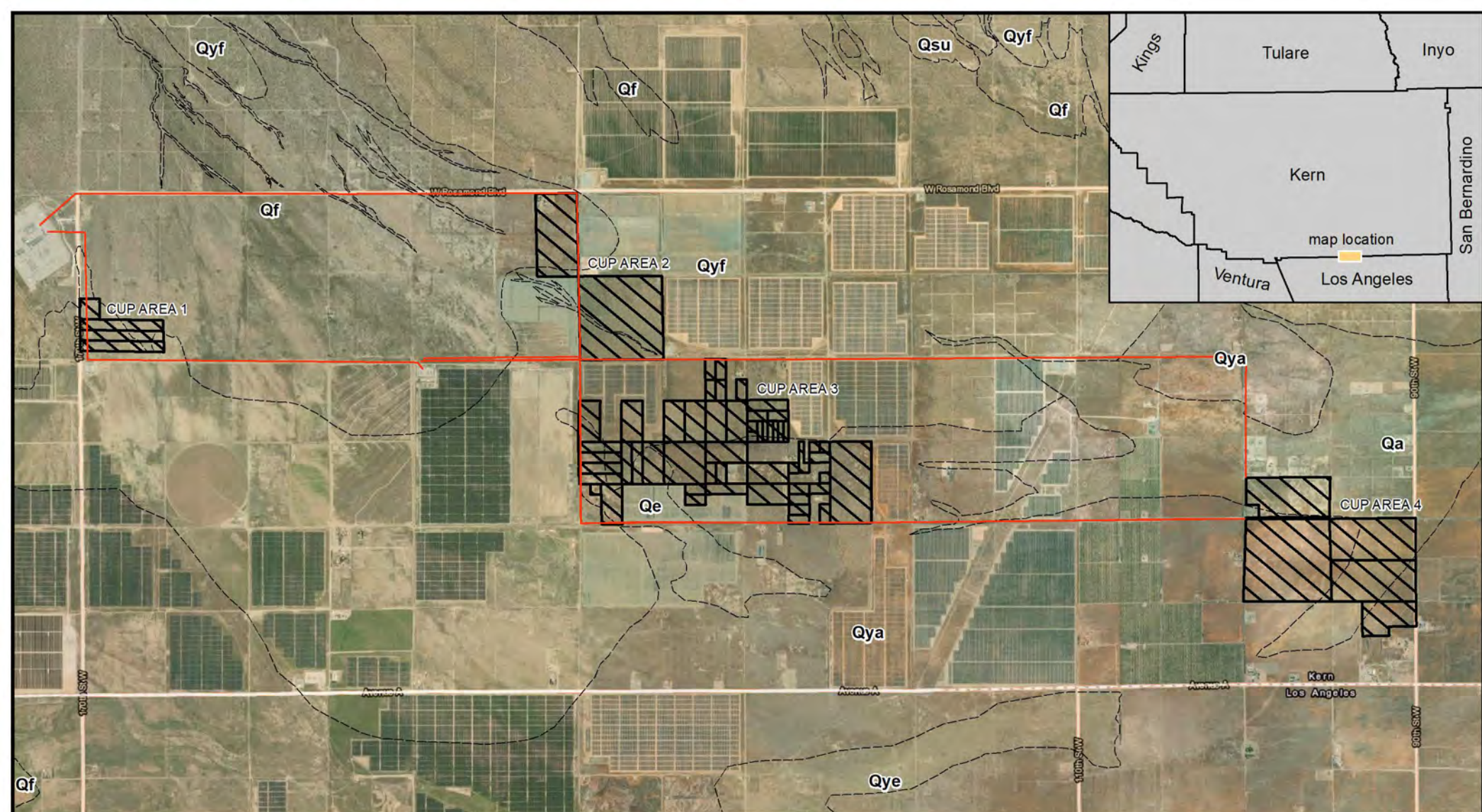
3.1 Results of the Records Search and Literature Review

3.1.1 Project Geology

Geologic setting: The Project site is located in southeastern Kern County, California, about 20 miles south of the City of Tehachapi and about 10 miles west of the unincorporated community of Rosamond, in the western portion of the Antelope Valley. The Antelope Valley forms the western corner of the Mojave Desert and is bounded by the Tehachapi Mountains to the northwest, and the San Gabriel Mountains to the southwest. These two mountain ranges were formed by the development of two major strike slip faults, the northwest trending right-lateral San Andreas Fault (adjacent to the San Gabriel Mountains) and the southwest trending left-lateral Garlock Fault (adjacent to the Tehachapi Mountains). These two faults intersect to the northwest of the Project site near Frazier Park, California. Structural compression in this tectonically complex region (known as the “structural knot of California”) is responsible for the formation and continued uplift of the adjacent mountain ranges (e.g., Dibblee, 1961; 1967; Norris and Webb, 1990).

The Project site is generally underlain by Holocene- and Pleistocene-age alluvial deposits derived from regional erosion of the surrounding highlands (Figure 2). Extensive alluvial fan complexes originating from the mouths of numerous deeply incised canyons on the southeastern flanks of the Tehachapi Mountains and northeastern flanks of the San Gabriel Mountains extend out into Antelope Valley. These alluvial fan complexes have been depositing sediment since at least the early Pleistocene, with younger, Holocene-age alluvial fan complexes building on top of older, Pleistocene-age complexes (Dibblee, 1963). Alluvial fan complexes generally consist of coarser-grained fan deposits, originating as overland sheetwash flows from the flanks of the uplands, and finer-grained alluvial valley deposits originating in distributary alluvial channels on the distal fringes of the fans (e.g., Bedrossian et al., 2012; Dibblee, 1963; Lancaster and Holland, 2012).

Project-specific geology: As mapped by Bedrossian et al. (2012), Hernandez and Lancaster (2011), and Lancaster and Holland (2012): CUP Area 1 is underlain by late Holocene-age alluvial fan deposits (Qf) and Holocene- to late Pleistocene-age young alluvial fan deposits (Qyf); CUP Area 2 is underlain by late Holocene-age alluvial fan deposits (Qf), late Holocene-age alluvial wash deposits (Qw), and Holocene- to late Pleistocene-age young alluvial fan deposits (Qyf); CUP Area 3 is underlain by late Holocene-age eolian deposits (Qe), Holocene- to late Pleistocene-age young alluvial valley deposits (Qya), and Holocene- to late Pleistocene-age young alluvial fan deposits (Qyf); and CUP Area 4 is underlain by late Holocene-age alluvial valley deposits (Qa) and Holocene- to late Pleistocene-age young alluvial valley deposits (Qya) (Figure 2, Table 1). Dibblee (1963) maps the entirety of the Project site as undifferentiated Quaternary alluvium. As described above, these alluvial deposits are generally derived from erosion of the surrounding highlands (e.g., Tehachapi Mountains, San Gabriel Mountains). Presumably, the Holocene-age deposits transition downsection (i.e., at depth) into older, Pleistocene-age deposits (Dibblee, 1963).




Geologic Map Units

Qa	alluvial valley deposits (late Holocene)	Qya	young alluvial valley deposits (Holocene to late Pleistocene)
Qe	eolian and dune deposits (late Holocene)	Qye	young eolian and dune deposits (Holocene to late Pleistocene)
Qf	alluvial fan deposits (late Holocene)	Qyf	young alluvial fan deposits (Holocene to late Pleistocene)
Qw	alluvial wash deposits (late Holocene)	Qof	old alluvial fan deposits (late-mid Pleistocene)
Qsu	surficial deposits, undiff. (late Holocene)		

Geologic Map Symbols

----- contact, approximately located

 Proposed Project Site

 Proposed Project gen-tie lines



PALEOSERVICES
SAN DIEGO NATURAL HISTORY MUSEUM



Figure 2: Geologic Map, Rosamond South Solar, Kern County, California

Results of the paleontological mitigation program for the adjacent Solar Star project can offer insight into the subsurface geology within the Project site. The Solar Star project site is underlain by Qya and Qyf deposits. Both units were observed to be lithologically similar, and consist of dark to moderate yellow brown, micaceous, massive, poorly sorted, unconsolidated silts and sands with varying concentrations of pebbles and cobbles. The sediments consisted of subangular to subrounded weathered granitic and metamorphic detritus derived from the surrounding highlands, with many of the pebbles consisting of large, weathered mineral clasts of quartz and plagioclase. The majority of the alluvial deposits observed during paleontological monitoring were massive and poorly sorted in nature, but occasional horizons of moderately sorted to well sorted sands were observed, as well as horizons with crude bedding (PaleoServices, 2014).

Results of the paleontological mitigation program for the Solar Star Project are particularly important for determining the thickness of the Holocene deposits that overlie Pleistocene deposits across the proposed Project site. For the Solar Star Project, paleontological monitoring was recommended for all excavations that extended greater than 5 feet below ground surface (bgs). This recommendation was made primarily due to the lack of knowledge concerning the depth of the transition from Holocene-age to Pleistocene-age alluvial deposits in Antelope Valley (PaleoServices, 2014). However, during paleontological monitoring at the Solar Star Project site, potentially Pleistocene-age deposits were observed to occur more than 15 feet bgs (Figure 3). Differentiating between Holocene and Pleistocene-age deposits was difficult because deposition was mostly continuous throughout the Pleistocene and Holocene, and the contact is gradational. However, deposits tentatively identified as Pleistocene in age differed from Holocene-age deposits in their heavily oxidized nature, appearing as rusty, reddish brown in color, and were more heavily consolidated. In addition, certain horizons in the Pleistocene-age deposits were caliche-rich with abundant root impressions, suggesting they represented paleosols (fossil soils). Two test samples of the paleosol horizons encountered by large-diameter augering at the Solar Star Project site were screen washed, but did not produce any microvertebrate fossils.

3.1.2 Project Paleontology

Records searches of the paleontological collections at the SDNHM, SBCM, and LACM indicate that there are no known fossil collection localities within a 1-mile radius of the Project site (Appendix A). However, fossil localities are known from Pleistocene-age alluvial and lacustrine deposits elsewhere in the Antelope Valley and the greater western Mojave Desert region. The SDNHM does not have any fossil localities in this region (unpublished SDNHM paleontological collections data), nor did they discover fossils during paleontological mitigation of the adjacent Solar Star project (PaleoServices, 2014). However, the SBCM and LACM both report several localities discovered in Quaternary alluvial and lacustrine deposits of the western Mojave Desert (LACM, 2010; SBCM, 2017), and additional fossil localities are documented in the paleontological literature. Within alluvial deposits in desert settings, some paleosol horizons have been found to yield fossilized remains (e.g., Stewart and Hakel, 2016; Stewart et al., 2012). Indeed, wind deflation of fossil-bearing paleosols has resulted in the discovery of fossils from desert pavements near Hinkley and the Palo Verde Mesa (e.g., Stewart and Hakel, 2016; Stewart et al., 2012). Localities discovered in Quaternary alluvial and lacustrine deposits yielded fossil remains of large-bodied mammals (e.g., mammoth, horse, antilocaprid antelope, camel, bison, dog), small mammals (e.g., rodents, bats, shrews, rabbits), and other terrestrial vertebrates (e.g., snakes, lizards, tortoises, birds) (e.g., Jefferson 1991a,b; LACM, 2010; SBCM, 2017, Stewart and Hakel, 2016; Stewart et al., 2012; Whistler, 1990; Whistler et al., 1991; Woodburne, 1991).

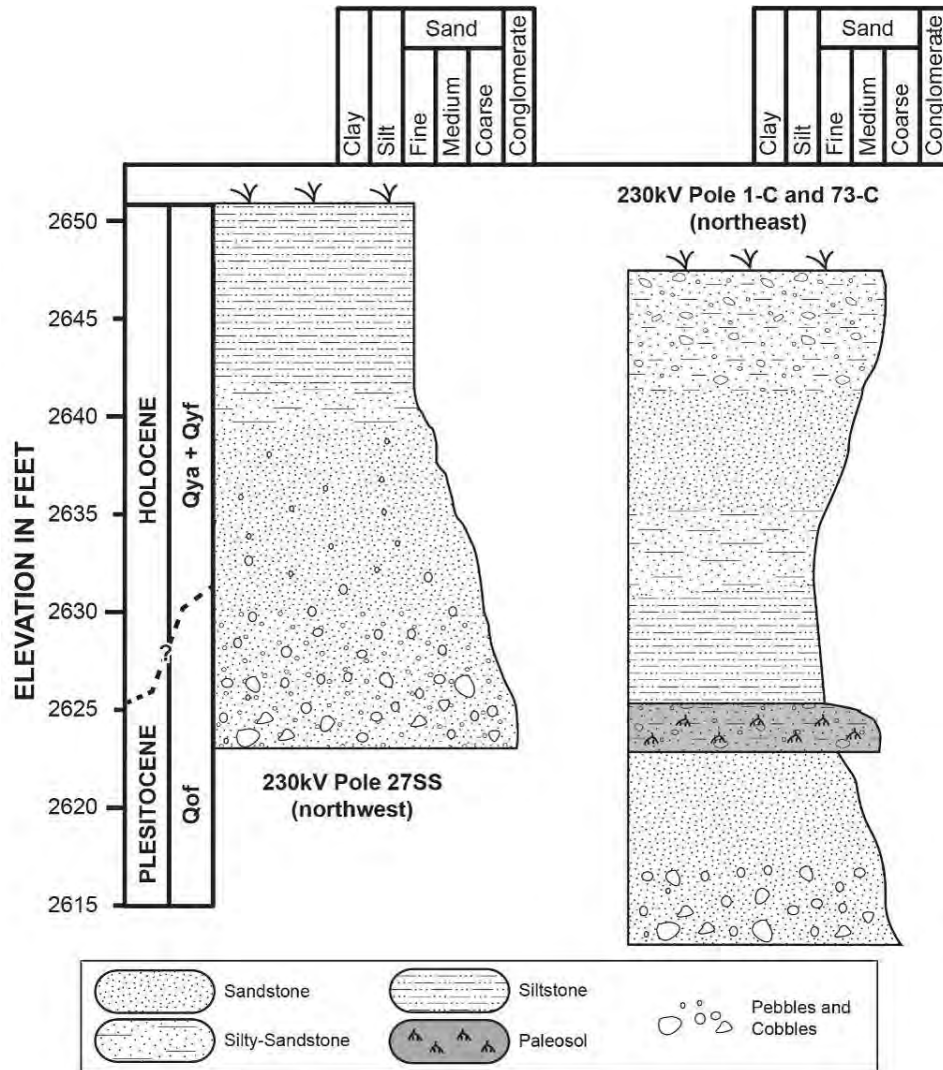


Figure 3. Observed stratigraphy at the Kern County portion of the Solar Star project site (PaleoServices, 2014).

Some of the most significant Pleistocene-age fossil assemblages from the greater Antelope Valley have been discovered in ancient lake deposits. While there are no lake deposits mapped at the surface within the Project site, it is possible that lake deposits may be present at depth. The most notable ancient lake in the proximity of the Project site is Pleistocene Lake Thompson, a once extensive pluvial lake that periodically occupied portions of the Antelope Valley from at least 36,000 years ago to 12,600 years ago, and is today represented by the Rogers, Rosamond, and Buckhorn dry lakes (Orme, 2008). At its greatest extent, Lake Thompson spanned over 350 square miles, with its high stand shoreline occurring approximately 6–8 miles east of the Project site (Dibblee, 1963; Orme, 2008). During the time of lake occupation, the Antelope Valley experienced climatic conditions that were wetter and more humid than today, with numerous tributaries flowing from the surrounding San Gabriel and Tehachapi mountains into Lake Thompson (Orme, 2008). Though the high shoreline was located to the east of the Project site, it is possible that fine-grained paleosol horizons and overbank deposits from the lake or its tributaries may be present at depth below the Project site.

Lake Thompson has produced a wealth of fossils of terrestrial vertebrates, especially large-bodied mammals (e.g., mammoth, horse, bison, deer, camel, saber-toothed cat, dog), as well as small mammals, freshwater fish, amphibians, reptiles, and birds (Jefferson, 1991a; Scott and Cox, 2008; Wilkerson et al., 2011). The SBCM reports specifically on four Lake Thompson fossil localities located about 7 miles east of the Project site that were discovered during mass grading excavations for a new housing development in Rosamond, and produced remains of mammoth, ground sloth, camel, and bison (Wilkerson et al., 2011; SBCM, 2017). Similarly, paleontological mitigation of a landfill expansion in Lancaster, about 12 miles southeast of the Project site, resulted in the discovery of vertebrate fossils in deposits of Lake Thompson. Here, the lake deposits were discovered 7.5 feet below the ground surface, and were overlain by dune sand, and yielded fossil remains of extinct camel, lizards, and a variety of rodents (Paleo Environmental Associates, Inc., 2012).

3.2 Results of the Paleontological Resource Assessment

Following the SVP (2010) impact mitigation guidelines, as outlined in Section 2.2, late Holocene-age and Holocene to late Pleistocene-age alluvial deposits (i.e., Qa, Qe, Qf, Qw, Qya, Qyf) are assigned a low paleontological potential based on their relatively young Holocene-age (less than about 11,700 years old), and the lack of known, scientifically significant paleontological resources from Holocene-age deposits in the western Mojave Desert (Figure 4).

However, the Holocene-age alluvial deposits transition to older, Pleistocene-age deposits in the subsurface, at a depth that may be as shallow as 15 feet bgs. Pleistocene-age alluvial deposits are assigned an undetermined paleontological potential (see Section 2.2.2), and therefore are considered to be potentially fossil-bearing, as discussed in greater detail below.

Because the contact between the Holocene-age alluvial deposits and Pleistocene-age alluvial deposits may be as shallow as 15 feet bgs, Qa, Qe, Qf, Qw, Qya, and Qyf deposits are specifically assigned a low paleontological potential from 0–15 feet bgs where they are assumed to be Holocene in age and an undetermined paleontological potential at depths greater than 15 feet bgs where they may be Pleistocene in age.

3.3 Results of the Paleontological Impact Analysis

As discussed above, the Project site is immediately underlain by Holocene to late Pleistocene-age alluvial deposits at the surface (i.e., Qa, Qe, Qf, Qw, Qya, Qyf). The Holocene portions of these deposits are presumably underlain by Pleistocene-age alluvial deposits (undetermined potential and therefore assumed to be potentially fossil-bearing) at a depth that may be as shallow as 15 feet bgs. Impacts to paleontological resources only may occur during excavations that will disturb alluvial deposits of Pleistocene-age, which, following a conservative approach, are considered to be potentially fossil-bearing. Therefore, only excavations that will extend greater than about 15 feet bgs have the potential to impact paleontological resources (Figure 4, Table 1).

Of the Project components, as currently proposed, only drilling for the foundations of gen-tie line poles is anticipated to extend to depths of more than 15 feet bgs. It is also anticipated that the earthwork for installation of these foundation poles will involve very large diameter boreholes (e.g., 7 to 9 feet) that will generate large volumes of spoils. In addition, as more accurate specifications of proposed Project earthwork activities become available, there may be other proposed earthwork activities that will extend to depths of 15 feet or more bgs, and these earthwork activities should be evaluated at that time for their potential to impact paleontological resources.

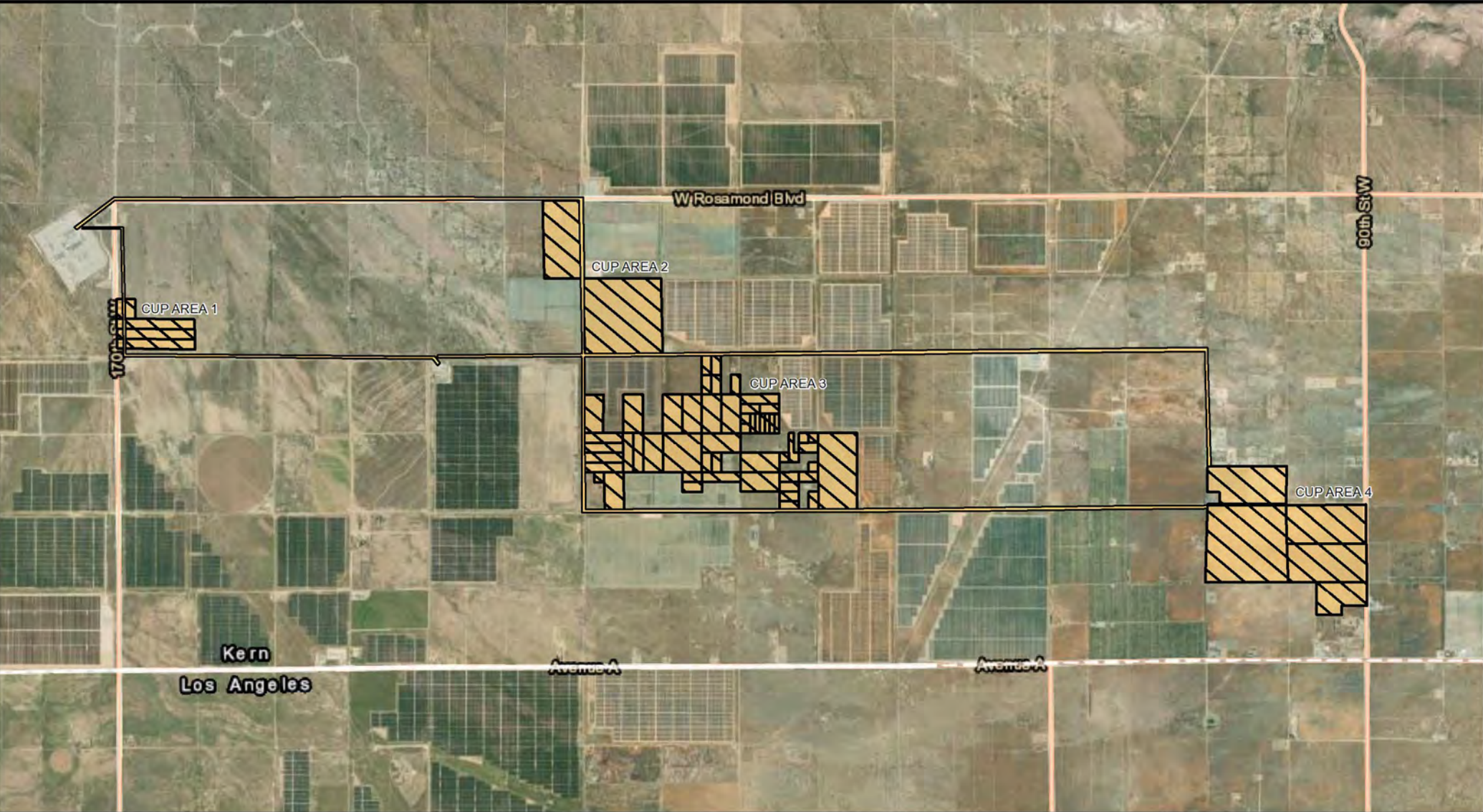
Notably, not all types of earthwork can be feasibly monitored for paleontological resources. Of relevance to the Project, it is not practical to monitor post-driving or drilling with a small-diameter auger

(less than about 18 inches) for unearthed paleontological resources. Paleontological monitoring of boreholes is typically conducted by examining spoils brought up during the drilling process for any contained fossil remains. For post-driving, no spoils are produced, thus paleontological monitoring cannot occur. Drilling operations using a helical auger smaller than about 18 inches in diameter produce spoils of pulverized sedimentary rock, and thus destroy most, if not all, macrofossil remains that may have been present. Similarly, drilling with bucket augers of any size, as well as fixed cutter bits or roller cone bits (typically, such bits are smaller than 18 inches in diameter) will grind up any encountered macrofossils, and thus such drilling cannot be mitigated. Further, small-diameter augering yields spoils with poor stratigraphic control, with only a small volume of sediment recovered from any given targeted horizon. While it is possible that microvertebrate or microinvertebrate fossils may be recovered intact from spoils produced during small-diameter augering, the lack of stratigraphic control makes collecting test samples from a targeted horizon difficult to execute, and screen washing of all matrix generated during small-diameter augering is not practicable for a project of this size and complexity.

Table 1. Summary of geologic units underlying the Project site and paleontological monitoring recommendations for the Project.

Geologic Unit	Age	CUP Area(s)	Paleontological Potential	Monitoring recommended?*
alluvial valley deposits (Qa)	late Holocene	4	low potential, 0 - 15 feet; undetermined potential, >15 feet	No, 0 - 15 feet; Yes, >15 feet
eolian deposits (Qe)	late Holocene	3	low potential, 0 - 15 feet; undetermined potential, >15 feet	No, 0 - 15 feet; Yes, >15 feet
alluvial fan deposits (Qf)	late Holocene	1, 2	low potential, 0 - 15 feet; undetermined potential, >15 feet	No, 0 - 15 feet; Yes, >15 feet
alluvial wash deposits (Qw)	late Holocene	2	low potential, 0 - 15 feet; undetermined potential, >15 feet	No, 0 - 15 feet; Yes, >15 feet
young alluvial valley deposits (Qya)	Holocene - late Pleistocene	3, 4	low potential, 0 - 15 feet; undetermined potential, >15 feet	No, 0 - 15 feet; Yes, >15 feet
young alluvial fan deposits (Qyf)	Holocene - late Pleistocene	1, 2, 3	low potential, 0 - 15 feet; undetermined potential, >15 feet	No, 0 - 15 feet; Yes, >15 feet

*excluding post-driving and small diameter (<18 inches) drilling, which cannot be feasibly mitigated for paleontological resources



Paleontological Potential Rating

low potential (0-15 feet)
undetermined potential (>15 feet)

Proposed Project Site
Proposed Project gen-tie line



Figure 4: Paleontological Potential Map, Rosamond South Solar, Kern County, California Sources: World Imagery and World Transportation, Esri et al., 2020

4.0 Recommendations

For the Project, deep earthwork that will extend greater than about 15 feet below existing grade in areas underlain at the surface by Holocene-age alluvial deposits (Qa, Qe, Qf, Qw, Qya, Qyf) have the potential to impact paleontological resources (Table 1, Figure 4). Development and implementation of a project-specific Paleontological Resources Mitigation and Monitoring Plan (PRMMP), as outlined in Mitigation Measure (MM) PAL-1, below, is recommended to mitigate potentially adverse impacts to paleontological resources during construction through the recovery and conservation of any fossils that are unearthed during construction.

Standards elements of a PRMMP include a description of the project earthwork to be monitored for paleontological resources (e.g., specific areas, depths of excavation, and/or project components), proposed methods for paleontological monitoring, procedures for fossil discoveries and determining the significance of a discovery, proposed field and laboratory methods for fossil collection, preparation, and curation, reporting requirements, and a curatorial agreement with a regional repository.

4.1 Ongoing Evaluation of Paleontological Potential

Because the subsurface depth of the contact between Holocene and Pleistocene-age alluvial deposits is not precisely known and may vary across the Project site, and because the Pleistocene-age deposits are assigned an undetermined paleontological potential (and are therefore assumed to be potentially fossil-bearing; see Section 2.2.2), the paleontological potential of the impacted deposits should be routinely evaluated during monitoring of earthwork.

If during the course of the mitigation program it is determined that the alluvial deposits encountered more than 15 feet bgs should be locally downgraded to a low potential ranking (e.g., if the Holocene-Pleistocene contact occurs deeper than Project earthwork; if no fossils are discovered; if no deposits that suggest the potential for fossils are observed), monitoring may be reduced or suspended at the discretion of the Project Paleontologist. Conversely, if it is discovered that the Holocene-Pleistocene contact occurs less than 15 feet bgs in areas mapped as Holocene-age alluvial deposits, paleontological monitoring may be increased to include more shallow excavations.

4.2 Recommended Mitigation Measures

The following mitigation measures are recommended to be implemented for the Project. Implementation of these measures will reduce potential adverse impacts to paleontological resources through the recovery and conservation of any fossils that are unearthed during construction.

MM PAL-1: Prior to the issuance of grading permits, a Qualified Paleontologist shall be retained and approved by the County to prepare a Paleontological Resources Mitigation and Monitoring Plan (PRMMP). The PRMMP shall contain monitoring procedures, define areas and types of earthwork to be monitored, provide methods for determining the significance of fossil discoveries, and state that any fossils that are collected should be prepared to the point of curation, identified to the lowest reasonable taxonomic level, and curated into an accredited institutional repository.

The PRMMP should also direct that a qualified paleontological monitor (working under the supervision of the Qualified Paleontologist) shall monitor excavations or grading that occur at a depth of 15 feet or deeper below the ground surface in areas of low paleontological potential, which occur throughout the Project area. Pile-driving and small-diameter drilling

(less than 18-inches) excavation methods do not require monitoring. The duration and timing of monitoring, which shall be set forth in the PRMMP, shall be determined by the Qualified Paleontologist and based on the grading plans and construction schedule. Initially, all excavation or grading activities recommended for monitoring shall be monitored. However, during the course of monitoring, if the Qualified Paleontologist can demonstrate that the level of monitoring should be reduced, the Qualified Paleontologist, in consultation with the Kern County Planning and Natural Resources Department, may adjust the level of monitoring to fit the circumstances, as warranted. The PRMMP should emphasize screen washing of bulk matrix samples of potentially fossil-bearing sediment (e.g., paleosol horizons) as a tool for evaluating paleontological potential, and should provide appropriate methods.

If potentially significant fossils are found, the Qualified Paleontologist (or paleontological monitor) shall be allowed to temporarily divert or redirect grading and excavation activities in the vicinity of the discovery site, as needed, to facilitate evaluation of the fossil and, if necessary, salvage. Salvaged fossils shall be curated and donated to an accredited institutional repository with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the San Bernardino County Museum. Accompanying notes, maps, and photographs shall also be filed at the repository.

Following the completion of the above tasks, the Qualified Paleontologist shall prepare a final mitigation report documenting the absence or discovery of fossil resources on-site. The report shall summarize the results of the PRMMP, including a description of monitoring procedures, a summary of recovered data, and conclusions. If fossils are recovered, the report shall include a description of the salvaged fossils and their significance, and the methods used to salvage, prepare, identify, and curate them. A copy of the report shall be provided to Kern County and to the accredited repository that receives the fossils (if fossils are discovered and salvaged).

MM PAL-2: If paleontological resources are encountered during project ground disturbing activities when a Qualified Paleontologist (or paleontological monitor) is not onsite (an inadvertent discovery), all excavation work in the immediate vicinity of the find shall halt until the Qualified Paleontologist can evaluate the find and make recommendations. If the Qualified Paleontologist determines that the discovery represents a potentially significant paleontological resource, additional measures such as fossil salvage may be required to mitigate adverse impacts from project implementation. Ground-disturbance in the vicinity of the discovery site shall not resume until the resource-appropriate measures are implemented or the materials are determined to be less than significant.

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Appendix A (Confidential)

Paleontological Records Search Results, Natural History Museum of Los Angeles County and San Bernardino County Museum

3 September 2010

Renewable Resources Group, Inc.
5700 Wilshire Boulevard, Suite 330
Los Angeles, California 90036

Attn: Rupal Patel

re: Paleontological Resources Records Search for the proposed Antelope Valley Solar Project,
Los Angeles County Project # R2010-00808, Kern and Los Angeles Counties, project
area

Dear Rupal:

I have thoroughly searched our paleontology collection records for the locality and specimen data for the proposed Antelope Valley Solar Project, Los Angeles County Project # R2010-00808, Kern and Los Angeles Counties, project area as outlined on the portions of the Fairmont Butte and Little Buttes USGS topographic quadrangle maps that you sent to me on 1 September 2010. We have no vertebrate fossil localities that lie directly within the proposed project area, but we do have localities from sedimentary deposits similar to those that occur in the proposed project area, albeit at some distance.

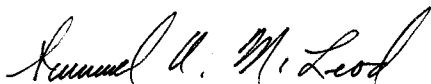
Surficial sediments in the entire proposed project area consist of younger Quaternary Alluvium, predominantly as fan deposits from the mountains immediately to the northwest and southwest. These younger Quaternary deposits typically do not contain significant vertebrate fossils, at least in the uppermost layers, but we do have fossil vertebrate localities from similar deposits, but at some distance. North-northeast of the proposed project area, between Jawbone Canyon and Kelso Valley, we have vertebrate fossil locality LACM 5931 that produced specimens of fossil rabbit, Leporidae, from Mountain wash deposits. Further north-northeast of the proposed project area, around Red Rock Canyon, we have numerous late Quaternary fossil vertebrate localities from fan, fluvial, or lacustrine deposits, including localities LACM 4708-4709, 5771-5775, 5836, 5922-5926, and 5932. These localities have produced a substantial composite fossil fauna including alligator lizard, *Gerrhonotus*, horned lizard, *Phrynosoma*, fence lizard, *Sceloporus occidentalis*, gopher snake, *Pituophis*, king snake, *Lampropeltis getulus*, perching birds, Passeriformes, bat, *Pipistrellus hesperus*, shrew, *Sorex palustris*, rabbits, *Lepus californicus* and *Sylvilagus audubonii*, squirrels, *Ammospermophilus leucurus* and *Tamias minimus*, pocket gophers, *Thomomys monticola* and *Thomomys townsendii*, kangaroo rats, *Dipodomys merriami* and *Dipodomys panamintinus*, pocket mice, *Perognathus longimembris*

and *Chaetodipus penicillatus*, wood rat, *Neotoma fucipes*, deer mice, *Microtus californicus*, *Peromyscus maniculatus* and *Reithrodontomys megalotis*, mammoth, *Mammuthus columbi*, dog, *Canis*, horse, *Equus*, pronghorn antelope, Antilocapridae, camel, *Camelops*, and bison, *Bison antiquus*. Many of the fossils of the smaller animals were collected from a local lignitic layer and were published in the scientific literature by D. P. Whistler in 1990 (A Late Pleistocene (Rancholabrean) Fossil Assemblage from the Northwestern Mojave Desert, California. San Bernardino County Museum Association Quarterly, 32(2):1-17).

Grading or shallow excavations in the uppermost few feet of the younger Quaternary fan and fluvial deposits in the proposed project area probably will not uncover significant fossil vertebrate remains. Deeper excavations in the proposed project area that extend down into older Quaternary deposits, however, may well encounter significant vertebrate fossils. Any substantial excavations in the proposed project area, therefore, should be closely monitored to quickly and professionally collect any specimens without impeding development. Because most of the vertebrate fossils from the closest localities are quite small and would be missed during typical paleontological monitoring excavations, it is recommended that sediment samples be collected from any substantial excavations and processed to determine their small fossil potential. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

A handwritten signature in black ink, reading "Samuel A. McLeod". The signature is written in a cursive style with a large, stylized 'S' and 'M'.

Samuel A. McLeod, Ph.D.
Vertebrate Paleontology

enclosure: draft invoice



**San Bernardino County
Museum
Division of Earth Sciences**

Ian Gilbert
Curator of Earth Sciences

email:
igilbert@sbcm.sbcounty.org

27 October, 2017

San Diego Natural History Museum
Attn: Tomas A. Deméré
1788 El Prado
San Diego, CA 92101

**PALEONTOLOGY LITERATURE / RECORDS REVIEW, First Solar,
Antelope Valley**

Dear Dr. Deméré

The Division of Earth Sciences of the San Bernardino County Museum (SBCM) has completed a literature review and records search for the above-named project in Kern County, California. The proposed solar project is located in Antelope Valley, and consists of several isolated parcels distributed throughout Sections: 1, 10, 12, 13, 14, 15, 25, 26, and 36, Township 9 North, Range 14 West, San Bernardino Base and Meridian, as well as one parcel that extends into Section 18, Township 9 North, Range 13 West, San Bernardino Base and Meridian, as seen on the following United States Geological Survey (USGS) 7.5 minute topographic quadrangle maps: Willow Springs, California (1965 edition, photorevised 1974), and Little Buttes, California (1965 edition).

Previous mapping of the Apple Valley region (Jennings and Strand, 1969; Lancaster et al., 2012) indicates that the proposed solar project is located upon surface exposures of Quaternary alluvium including: late to middle Pleistocene-aged old alluvial fan deposits (**Qof**), Holocene to late Pleistocene-aged young alluvial valley deposits (**Qya**), Holocene to Late Pleistocene-aged young alluvial fan deposits (**Qyf**), late Holocene-aged alluvial fan deposits (**Qf**), late Holocene-aged undifferentiated surficial deposits (**Qsu**), and late Holocene-aged alluvial valley deposits

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(Qa) (fig. 1). Of these units, those containing Pleistocene-aged sediments have high potential to contain significant nonrenewable paleontological resources, and so are assigned high paleontological sensitivity.

Pleistocene older alluvium in the Antelope Valley area has been subdivided into the Nadeau Gravels and the Harold Formation (Noble, 1954). Pleistocene vertebrate fossils have previously been reported from these sedimentary units in the west-central Mojave Desert region (Jefferson, 1989; Reynolds, 1989). The age of these sediments might be indicated by the development of soil profiles, and may correspond to the age of sediments of Antelope Valley that contain the well-developed Tylerhorse series of soils, perhaps 500,000 years old (Ponti, 1985).

For this review, I conducted a search of the Regional Paleontological Locality Inventory (RPLI) at the SBCM and a literature search through the SBCM Earth Sciences library. The results of this search indicate that no recorded paleontological resource localities are present within the proposed project, nor within a 1-mile radius in any direction. However, four fossil localities (SBCM 1.55.489 – 1.55.492) are found about 6 miles to the east of the proposed project (fig. 1). These localities contain fossils of unidentified Pleistocene-aged large mammals. Moreover, these localities are found within the same sedimentary unit, **Qyf**, as those mapped in the proposed project boundaries (Lancaster et al. 2012) (fig. 1). Additionally, several fossil localities are found in the west-central Mojave Desert region (SBCM 9.1.3 - 9.1.6, and SBCM 9.1.1) in similarly mapped (Lancaster et al., 2012) sedimentary units, **Qof**, as those found within the project boundaries (fig. 1). These localities have yielded Pleistocene-aged taxa including: *Microtus californicus* (meadow mouse), *Neotoma* (Teanopus) "*prefuscipes*" (extinct wood rat), *Camelops* sp. (extinct large camel), *Equus* sp. (extinct horse), *Mammuthus* sp. (extinct mammoth), *Mammut* sp. (extinct mastodon), in addition to fossil root casts and other small vertebrates.

The proximity of these fossil localities to the proposed project site indicates that Pleistocene-aged alluvium in the region may have high potential to contain significant fossil resources. These localities therefore support an interpretation of high paleontological sensitivity for these sediments.

Recommendations

The results of the literature review and the check of the RPLI at the SBCM demonstrate that the proposed project contains sediments with a high potential to adversely impact significant nonrenewable paleontological resources. A qualified vertebrate paleontologist must therefore be

retained to develop a paleontological resource impact mitigation program (PRIMP) to mitigate adverse impacts to paleontological resources present in these geologic units. This mitigation program should be consistent with the provisions of the California Environmental Quality act (Scott and Springer, 2003), as well as with regulations currently implemented by Kern County, CA, and the proposed guidelines of the Society of Vertebrate Paleontology. This program should include, but not be limited to:

1. Monitoring of excavation in areas identified as likely to contain paleontological resources by a qualified paleontological monitor. Based upon the results of this review, areas of concern include any undisturbed sediments of Pleistocene-aged alluvium. Paleontological monitoring is recommended only for those undisturbed sediments wherein fossil plant or animal remains are found with no associated evidence of human activity or an archaeological context. Paleontological monitors should be equipped to salvage fossils as they are unearthed to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors must be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially-fossiliferous units described herein are not present, or if present are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.
2. Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.
3. Identification and curation of specimens into an established, accredited museum repository with permanent retrievable storage. The paleontologist should have a written repository agreement in hand prior to the initiation of mitigation activities. Mitigation of adverse impacts to significant paleontological resources is not complete until such curation into an established museum repository has been fully completed and documented.
4. Preparation of a report of findings with an appended itemized inventory of specimens. It is recommended that this report incorporate the full results of this literature review. The report and inventory, when submitted to the appropriate Lead Agency along with

First Solar, Antelope Valley

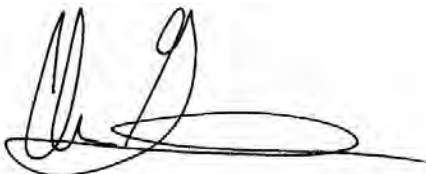
27 October, 2017

PAGE 4 of 6

confirmation of the curation of recovered specimens into an established, accredited museum repository, would signify completion of the program to mitigate impacts to paleontological resources.

Please do not hesitate to contact us with any further questions that you may have.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ian Gilbert', with a long horizontal flourish extending to the right.

Ian Gilbert, Curator of Earth Sciences
Division of Earth Sciences
San Bernardino County Museum

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Figures (CONFIDENTIAL)

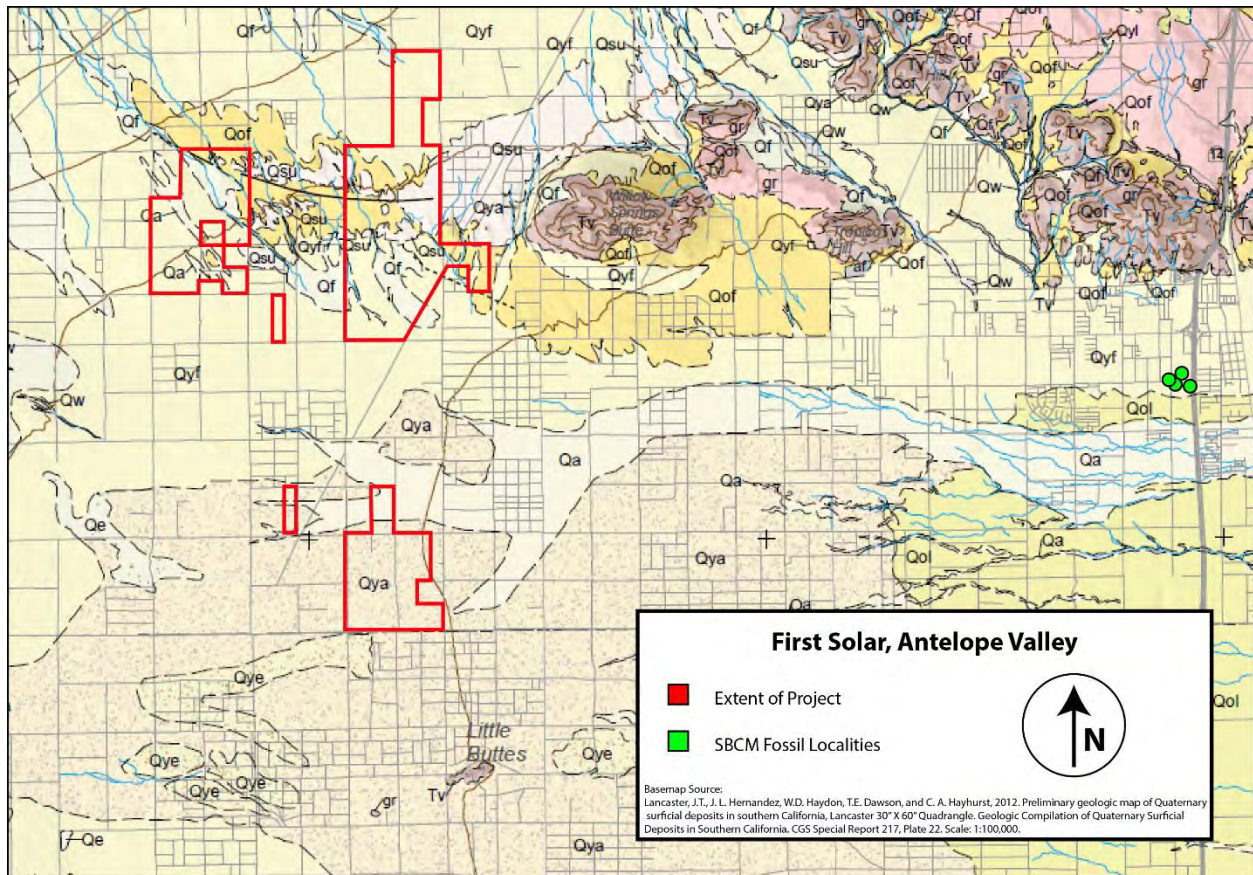


Figure 1.

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Appendix H

Phase 1 Environmental Site Assessment

Phase I Environmental Site Assessment

Rosamond South Solar

Rosamond, Kern County, California

March 23, 2021

Terracon Project No. 60217020



Prepared for

Clearway Energy Group LLC
Golden Fields Solar IV, LLC
Scottsdale, Arizona

Prepared by:

Terracon Consultants, Inc.
Tustin, California

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

March 23, 2021



Clearway Energy Group LLC
100 California Street, Suite 400
San Francisco, CA 94111-4509

Attn: Ms. Aarty Joshi
P: (415) 627-4656
E: aarty.joshi@clearwayenergy.com

Re: Phase I Environmental Site Assessment
Rosamond South Solar
Rosamond, Kern County, California
Terracon Project No. 60217020

Dear Ms. Joshi:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with our Master Services Agreement dated August 27, 2015 and Terracon Proposal No. P60217020 dated January 12, 2021.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read 'G. Jorquiera'.

Gabriela R. Jorquiera
Field Scientist

A handwritten signature in black ink, appearing to read 'Islam R. Noaman'.

Islam (Sami) R. Noaman
Environmental Department Manager II

A handwritten signature in blue ink, appearing to read 'Fabio M. Minervini'.

Fabio M. Minervini, P.G.
California Licensed Geologist No. 7861

Attachments

Terracon Consultants Inc. 1421 Edinger Avenue, Suite C Tustin, CA 92780-6287

P 949-261-0051 F 949-261-6110 terracon.com



Environmental



Facilities



Geotechnical



Materials

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with our Master Services Agreement dated August 27, 2015 and Terracon Proposal No. P60217020 dated January 12, 2021 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Islam (Sami) R. Noaman, Environmental Professional. Jennifer Van and Eric St. Michel performed the site reconnaissance on February 15, 2021.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located in Rosamond, Kern County, California, and consists of five-non-continuous tracts of land totaling approximately 1,290.95-acres.

Tract 1 of the site is located approximately 310-feet northeast of the intersection of 170th street West and Astoria Avenue, and consists of four parcels identified as Kern County Assessor Parcel Numbers (APNs) 26112005, 26112006, 26112007, and 26112009, totaling approximately 71 acres of primarily undeveloped land and improved with electrical transmission lines. During the site reconnaissance the Tract was observed to consist of undeveloped land.

Tract 2 of the site is located on 14154 West Rosamond Boulevard, north of Holiday Avenue and consists of two parcels identified as Kern Assessor APNs 35910005 and 35902059 totaling approximately 240.62 acres of primarily undeveloped land and improved with a residence and several commercial buildings associated with a ranch. During the site reconnaissance, the Tract was observed to consist of a residence and former ranch on the northwestern portion, the remainder of the site consisted of undeveloped land.

Tract 3 of the site is located south of Holiday Avenue and north of Gaskell Road, and consists of 50 continuous parcels totaling 540 acres of primarily undeveloped land. During the site reconnaissance, the Tract consisted of undeveloped land.

Tract 4 of the site is located southeast of the intersection of 100th Street West and Buckhorn Avenue and consists of one parcel identified as Kern County APN 37446012, totaling 73.97 acres of fallow agricultural land improved with two commercial open storage structures that were observed to be in a dilapidated condition. During the site reconnaissance, the Tract consisted of undeveloped land and two dilapidated building on the southwestern portion.

Tract 5 of the site is located southeast of the intersection of 100th Street West and Gaskell Road, and consists of three parcels identified as Kern County APNs 37402002, 37402015, 37402016, and 37445001, totaling approximately 365.36 acres of fallow agricultural land.

Historical Information

Based on a review of the historical information the site has consisted of primarily undeveloped and/or vacant land, and agricultural land from 1943 through the present; with the exception of Tract 2 and Tract 4. Tract 2 was developed with the existing residence on the northwestern portion of the Tract in 2005. Tract 4 was developed with various rectangular buildings that appeared to be associated with agricultural land use were observed on the southwestern portion of Tract 4 in the 1963 and 1974 aerial photographs. In addition, from 1978 through the present two barns were observed on the southwestern portion of Tract 4. During the site reconnaissance the barns were observed to be dilapidated and vacant. No addresses were observed associated with the barns. Information pertaining to the use of the former buildings or existing barns were not identified. Based on a review of the historical information, Tract 4 of the site have been used for agriculture in the 1960s and 1970s. The observed buildings may have been associated with agriculture land use, which may have included the storage and mixing of pesticides and herbicides. Due to the lack of information on the use of the former buildings, the former buildings located on Tract 4 represent a significant data gap in connection with the site.

The properties surrounding the site have consisted of undeveloped and/or vacant land, agricultural land, and residences. The development of the solar farms adjoining Tracts 2 and 3 commenced in 2014.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the regulatory databases. The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Site Reconnaissance

During the site reconnaissance Terracon observed the following features on Tracts 1 through 5 of the site: approximately 50 cubic-feet of household dumped debris/garbage and approximately six used automobile tires on the southern portion of Tract 2 (north of Holiday Avenue), a previous groundwater well motor-head and a capped groundwater well, an abandoned (empty) 55-gallon drum were both located on Willow Avenue (western side), and an underground telecommunications cable was observed abutting the western side of 130th Street West located on Tract 3, Tract 4 and Tract 5, one 10,000-gallon water aboveground storage tank (AST) one 1,000-gallon propane AST were observed on Tract 2, one 20,000-gallon diesel AST was observed on Tract 4, one 55-gallon empty drum was observed on Tract 4, one inactive water well was observed on Tract 3, one inactive water well was observed on Tract 4, one active water well and

five inactive water wells were observed on Tract 5. RECs were not identified during the site reconnaissance.

Adjoining Properties

The northern and eastern adjoining properties from Tract 1 consisted of vacant land. The southern adjoining property from Tract 1 consisted of vacant land followed by Holiday Avenue followed by an electrical sub-station (16900 Holiday Avenue). The western adjoining property from Tract 1 consisted of 170th Street West followed by vacant land.

The northern adjoining property from Tract 2 consisted of Rosamond Boulevard followed by vacant land, and an active solar farm. The eastern adjoining property from Tract 2 consisted of active solar farms as well as an active solar sub-station (southeast corner). The southern adjoining properties from Tract 2 consisted of active solar farms as well as Holiday Avenue followed by additional active solar farms. The western adjoining property from Tract 2 consisted of an active solar farm and vacant land.

The northern adjoining property from Tract 3 consisted of active solar farms, Holiday Avenue, and a residential dwelling (3875 Holiday Avenue). The eastern adjoining property from Tract 3 consisted of active solar farms as well as two residential dwellings. The southern adjoining property from Tract 3 consisted of active solar farms, vacant land, and Gaskell Road followed by vacant land. The western adjoining property from Tract 3 consisted of 140th Street followed by vacant land.

The properties to the adjoining north of Tract 4 consists of single-family residences (1268 100th Street West and 9645-9801 Buckhorn Avenue). Properties to the adjoining east south and west of Tract 4 consists of undeveloped, fallow agricultural and/or vacant land. A commercial building and water basin; Avek Water Agency, is located to the adjoining southwest of Tract 4 of the site.

The properties to the adjoining north of Tract 5 of the site consists of undeveloped, fallow agricultural and/or vacant land. The properties to the adjoining east, south and west of the site consists of residences and fallow agricultural land. RECs were not observed with the adjoining properties.

Significant Data Gaps

Various rectangular buildings that appeared to be associated with agricultural land use were observed on the southwestern portion of Tract 4 in the 1963 and 1974 aerial photographs. In addition, from 1978 through the present two barns were observed on the southwestern portion of Tract 4. During the site reconnaissance the barns were observed to be dilapidated and vacant. No addresses were observed associated with the barns. Information pertaining to the use of the former buildings or existing barns were not identified. Based on a review of the historical information, Tract 4 of the site have been used for agriculture in the 1960s and 1970s. The observed buildings may have been associated with agriculture land use, which may have included the storage and mixing of pesticides and herbicides. Due to the lack of information on the use of

the former buildings, the former buildings located on Tract 4 represent a significant data gap in connection with the site.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 in Rosamond, Kern County, California, the site. Recognized Environmental Conditions (RECs) or Controlled RECs (CREC) were not identified in connection with the site.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Rosamond South Solar
Site Location/Address	Rosamond, Kern County County, California
Land Area	Approximately 1,290.95 acres.
Site Improvements	<p>Tract 1 of the site is located approximately 310-feet northeast of the intersection of 170th street West and Astoria Avenue, and consists of four parcels identified as Kern County Assessor Parcel Numbers (APNs) 26112005, 26112006, 26112007, and 26112009, totaling approximately 71 acres of primarily undeveloped land and improved with electrical transmission lines. During the site reconnaissance the Tract was observed to consist of undeveloped land.</p> <p>Tract 2 of the site is located on 14154 West Rosamond Boulevard, north of Holiday Avenue and consists of two parcels identified as Kern Assessor APNs 35910005 and 35902059 totaling approximately 240.62 acres of primarily undeveloped land and improved with a residence and several commercial buildings associated with a ranch. During the site reconnaissance, the Tract was observed to consist of a residence and former ranch on the northwestern portion, the remainder of the site consisted of undeveloped land.</p> <p>Tract 3 of the site is located south of Holiday Avenue and north of Gaskell Road, and consists of 50 continuous parcels totaling 540 acres of primarily undeveloped land. During the site reconnaissance, the Tract consisted of undeveloped land.</p> <p>Tract 4 of the site is located southeast of the intersection of 100th Street West and Buckhorn Avenue and consists of one parcel identified as Kern County APN 37446012, totaling 73.97 acres of fallow agricultural land improved with two commercial open storage structures that were observed to be in a dilapidated condition. During the site reconnaissance, the Tract consisted of undeveloped land and two dilapidated building on the southwestern portion.</p> <p>Tract 5 of the site is located southeast of the intersection of 100th Street West and Gaskell Road, and consists of three parcels identified as Kern County APNs 37402002, 37402015, 37402016, and 37445001, totaling approximately 365.36 acres of fallow agricultural land.</p>

Anticipated Future Site Use	Commercial; proposal solar farm.
Purpose of the ESA	Redevelopment.

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with our Master Services Agreement dated August 27, 2015 and Terracon Proposal No. P60217020 dated January 12, 2021 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the

potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- Despite Terracon's best efforts at the issuance of this report, responses have not been received from the Kern County Fire Department and the Kern County Planning Department. Based on the review of the historical information and responses from other local agencies, the lack of response from the aforementioned agencies do not represent a significant data gap.
- Due to the various extent of site owners, Terracon was unable to complete historical interviews with the various site owners/owner representatives. Based on a review of the historical information and responses from local agencies, the lack of interviews do not represent a significant data gap.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Clearway Energy Group, LLC and Golden Fields Solar IV, LLC. Use or reliance by any other party is prohibited without the written authorization of Clearway Energy Group, LLC, Golden Fields Solar IV, LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement. The limitation of liability defined in the Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Ms. Aarty Joshi, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			
Obvious Indicators of Contamination at the site.			

Terracon's consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography		
Site Elevation	Approximately 2,560 feet above sea level.	USGS Topographic Map, Fairmont Butte, CA Quadrangle, dated 2015 (Appendix A)
Topographic Gradient	Towards the southeast.	
Closest Surface Water	None identified within a mile of the site.	
Soil Characteristics		
Soil Type	Tract 1 and Tract 2: Hesperia loamy fine sand, 0 to 2 percent slopes Tract 3: Cajon loamy sand, 0 to 2 percent slopes; Hesperia loamy fine sand, 0 to 2 percent slopes; Rosamond loamy fine sand Tract 4 and Tract 5: Hesperia fine sandy loam, 0 to 2 percent slopes. Rosamond fine sandy loam.	Kern County, CA USDA Natural Resources Conservation Service, dated May 27, 2020
Description	Tract 1 and Tract 2: Well drained. Typical soil profile consists of 0 to 8 inches loamy fine sand, 8 to 54 inches fine sandy loam, sandy loam, 54 to 77 inches sandy loam, coarse sandy loam. Tract 3: Cajon is excessively drained. Typical soil profile consists of 0 to 9 inches of loamy sand and 9 to 60 inches of sand, fine sand. Hesperia is well drained. Typical soil profile consists of 0 to 8 inches loamy fine sand, 8 to 54 inches fine sandy	

Physical Setting Information		Source
	loam, sandy loam, 54 to 77 inches sandy loam, coarse sandy loam. Rosamond is a well-drained soil. Typical soil profile consists of 0 to 15 inches of loamy fine sand and 15 to 60 inches of stratified loam to silty clay loam. Tract 4 and Tract 5: Hesperia is well drained. Typical soil profile consists of 0 to 8 inches loamy fine sand, 8 to 54 inches fine sandy loam, sandy loam, 54 to 77 inches sandy loam, coarse sandy loam. Rosamond is a well-drained soil. Typical soil profile consists of 0 to 8 inches of fine sandy loam and 8 to 60 inches of stratified loam o silty clay loam.	
Geology/Hydrogeology		
Formation	Quaternary, Q	California Department of Conservation, Geologic Map of California, dated 2010
Description	Alluvium, lake, playa, and terrace deposits	
Estimated Depth to First Occurrence of Groundwater	Unknown beneath the site, measured to be between 115 and 120 feet below grade surface (bgs) in groundwater monitoring wells located at a facility approximately 7.75 miles northeast of Tract 5 (July 2012).	LUST Cleanup Site GeoTracker ID T0602999270 Lohontan RWQCB (Region 6T) Case No. 6B1500996T B-52 Market 3000 North Sierra Highway Rosamond, CA
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the Topo Gradient).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10 to 15 year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from ERIS to evaluate past uses and relevant characteristics of the site and surrounding properties. ERIS did not provide Sanborn maps.

- Topographic maps:
 - Willow Springs, California, published in **1943** (1"=2,000')
 - Fairmount Butte, California, published in **1965, 1974, 1995, and 2015** (1"=2,000')
 - Little Buttes, California, published in **1965, 1974, and 2015** (1"=2,000')
- Aerial photographs:
 - Agricultural and Soil Conservation Service, **1948**, 1"=2,500'
 - US Geological Survey, **1963, 1974, 1978, and 1994**, 1"=2,500'
 - National High Altitude Photography, **1987**, 1"=2,500'
 - National Agricultural Information Program, **2005, 2006, 2009, 2010, 2012, 2014, 2016, and 2018**, 1"=2,500'

Historical Maps and Aerial Photographs

Direction	Description
Site	<p>Tract 1: Undeveloped land (1943-2018).</p> <p>Tract 2: Undeveloped land, un-paved road transects the central portion of the southeastern portion of the Tract (1943); clearing of the road, vacant land (1948-1994); northwestern corner is developed with the existing residence and ranch (2005-2018).</p> <p>Tract 3: Undeveloped land, un-paved road transects the western portion of the Tract (1943); clearing of the road, undeveloped and/or vacant land (1948); agricultural land on the north-northwestern portion of the Tract (1963-1978); clearing of agricultural land (1987-2018).</p> <p>Tract 4: Undeveloped land (1943-1948); developed with apparent <i>rectangular buildings on the southwestern portion</i> (1963-1974); developed with two apparent barns on the southwestern portion of the Tract (1978-2018).</p> <p>Tract 5: Undeveloped land; un-paved road transects the central portion of the Tract (1943); agricultural land to the southeast, and the remainder of Tract consists of undeveloped land (1948); agricultural land (1963-2010); vacant land (2014-2018).</p>

Direction	Description
Adjoining Properties	<p>Tract 1: roads abuts the Tract to the west and south followed by undeveloped land, north, and east, agricultural land to the south (1943-1963); clearing of agricultural land to the south, agricultural land to the southwest (1974-1987); clearing of agricultural land to the southwest (1994); agricultural land to the southeast (2005-2006); agricultural land to the south (2009-2010); clearing of agricultural land to the south; vacant land followed by a substation to the northwest (2012-2014); developed with a substation to the south (2016); vacant land followed by solar farm to the southwest (2018).</p> <p>Tract 2: Road abuts the Tract to the north followed by undeveloped land (1943); road abuts the Tract to the north followed by undeveloped land; undeveloped land to the west and south, apparent reservoir abuts the Tract to the northeast corner of the northwestern portion of the site, agricultural land to the east (1948); improved with a residence following the reservoir to the northwestern portion of the Tract (1963); clearing of agricultural land to the east (1974); reservoir appears to be dried (1978-1994); agricultural land to the east of the southeastern portion of the Tract, developed with a residence to the northwest (2005-2012); agriculture to the east is redeveloped with a solar farm (2014-2018).</p> <p>Tract 3: Road abuts the Tract to the south (1943); undeveloped land (1948); agricultural land to the north, east, and south of the southeastern portion of the Tract (1963); agricultural land to the south of the southwestern portion of the Tract, developed with residences to the east/southeast of the southeastern portion of the Tract (1974); agricultural land to the west, clearing of agricultural land to the south of the southwestern portion of the Tract (1978); clearing of agricultural land to the west; developed with a residence to the north of the central portion of the Tract (1987); clearing of agricultural land; developed with a residence to the adjoining central portion of the Tract (1994); developed with residences to the north of the northwestern portion and central/northeastern portion of the Tract; agricultural land to the east (2005-2012); redeveloped with a solar farm to the north of the northwestern and northeastern portions of the Tract (2014); improved with a solar farm to the east (2016-2018).</p>
Adjoining Properties	<p>Tract 4: adjoining properties consist of undeveloped land, roads to the south and west of the Tract followed by undeveloped land (1943-1948); developed with apparent agricultural buildings to the southwest; agricultural land to the west; agricultural land to the south (1963); clearing of the agricultural (1974); developed with the existing water retention basin to the southwest (1978-1994); developed with residences to the north of the northwestern portion of the Tract (2005-2010); developed with additional residences to the north (2006); clearing of the agricultural land to the south (Tract 5) and west (2012-2018).</p> <p>Tract 5: adjoining properties consist of Undeveloped land; roads to the north and west of Tract 5 (1943); agricultural land to the south, roads, followed by undeveloped land (1948); agricultural land to the east, south, and west, property to the north (Tract 4) consists of agricultural land and agricultural buildings and north (1963-1974); clearing of agricultural buildings to the north (Tract 4) (1978); improved with a residence to the west (1987-1994); developed with residences to the south-southeast (2005-2018).</p>

Various rectangular buildings that appeared to be associated with agricultural land use were observed on the southwestern portion of Tract 4 in the 1963 and 1974 aerial photographs. In addition, from 1978 through the present two barns were observed on the southwestern portion of

Tract 4. During the site reconnaissance the barns were observed to be dilapidated and vacant. No addresses were observed associated with the barns. Information pertaining to the use of the former buildings or existing barns were not identified. Based on a review of the historical information, Tract 4 of the site have been used for agriculture in the 1960s and 1970s. The observed buildings may have been associated with agriculture land use, which may have included the storage and mixing of pesticides and herbicides. Due to the lack of information on the use of the former buildings, the former buildings located on Tract 4 represent a data gap in connection with the site.

3.2 Historical City Directories

The City Directory Comp city directories used in this study were made available through City Directory Source (selected years reviewed: Years Reviewed) and were reviewed at approximate five-year intervals, if readily available. Street listings not available prior to [Year]. The current street address for the site was identified as Rosamond Boulevard.

Historical City Directories

Direction	Description
Site	<p>Tract 1: Unaddressed vacant land.</p> <p>Tract 2: 14154 West Rosamond Boulevard – No listings (1972-2005); residential listings (2006); no listings (2007-2018).</p> <p>Tract 3: Unaddressed vacant land.</p> <p>Tract 4: Unaddressed vacant land and two unaddressed dilapidated buildings.</p> <p>Tract 5: Unaddressed vacant land.</p>
North	<p>Tract 1: Unaddressed vacant land.</p> <p>Tract 2: 9454 West Rosamond Boulevard – No listings (1972-2018).</p> <p>Tract 3: 3875 Holiday Avenue – No listings (1972-2018).</p> <p>Tract 4: 1268 100th Street West – No listings (1972-2018); 9645-9801 Buckhorn Avenue – No listings (1972-2018).</p> <p>Tract 5: Unaddressed water basin operated by Avek Water Agency and fallow agricultural and vacant land.</p>
East	<p>Tract 1: Unaddressed vacant land.</p> <p>Tract 2: 13956 West Rosamond Boulevard – No listings (1972-2005); residential listings (2006); no listings (2007-2018).</p> <p>Tract 3: Unaddressed solar farm.</p> <p>Tract 4: Unaddressed vacant land.</p> <p>Tract 5: 470 9th Street West – No listings (1972-2018).</p>

Direction	Description
South	<p>Tract 1: 16900 Holiday Avenue</p> <p>Tract 2: Unaddressed solar farm.</p> <p>Tract 3: Unaddressed solar farm and vacant land.</p> <p>Tract 4: Unaddressed fallow agricultural land.</p> <p>Tract 5: 9967 Owl Road – No listings (1972-2018); 9101 Spur Ranch Road – No listings (1972-2018).</p>
West	<p>Tract 1: Unaddressed vacant land.</p> <p>Tract 2: Unaddressed solar farm and vacant land.</p> <p>Tract 3: Unaddressed vacant land.</p> <p>Tract 4: Unaddressed fallow agricultural land.</p> <p>Tract 5: 745 100th Street West – No listings (1972-2018).</p>

3.3 Site Ownership

The site consisted of over 50 parcels owned by various private individuals.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The ERIS regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interviews Regarding Current and Historical Site Uses

Due to the various extent of site owners, Terracon was unable to complete historical interviews with the various site owners/owner representatives. Based on a review of the historical information and responses from local agencies, the lack of interviews do not represent a significant data gap.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 RECORDS REVIEW

Regulatory database information was provided by ERIS, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
CERC	Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS	0.5	0
CERL	CERCLIS Liens	Site	0
CNFR	CERCLIS - No Further Remedial Action Planned	0.5	0
EC	Federal Engineering Controls-ECs	0.5	0
ERN1	Emergency Response Notification System	Site	0
ERN2	Emergency Response Notification System	Site	0
ERNS	Emergency Response Notification System	Site	0
FBFL	The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database	0.5	0
FRS	Facility Registry Service/Facility Index	Site	0
HMIR	Hazardous Materials Information Reporting System	0.10	0
HTSC	Hist TSCA	0.10	0

Database	Description	Distance (miles)	Listings
IC	Federal Institutional Controls- ICs	0.5	0
IODI	EPA Report on the Status of Open Dumps on Indian Lands	0.5	0
NCDL	National Clandestine Drug Labs	Site	0
NPL	National Priority List	1.0	0
NPLD	Delisted NPL	0.5	0
NPLP	National Priority List - Proposed	1.0	0
ODI	Inventory of Open Dumps, June 1985	0.5	0
RCOR	RCRA CORRACTS- Corrective Action	1.0	0
RGEN	RCRA Generator List	0.25	0
RNGN	RCRA Non-Generators	0.25	9
RTSD	RCRA non-CORRACTS TSD Facilities	0.5	2
TRI	Toxics Release Inventory (TRI) Program	Site	0
TSCA	Toxic Substances Control Act	0.10	0

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AST	Aboveground Storage Tanks	0.25	2
CDL	Clandestine Drug Lab Sites	0.10	2
CHMR	California Hazardous Material Incident Report System (CHMIRS)	Site	4
DEED	Deed Restrictions and Land Use Restrictions	0.5	0
ENVS	EnviroStor Database	1.0	0
GTCL	GeoTracker Cleanup Sites Data	0.5	0
HLUR	Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions	0.5	0
HWF	EnviroStor Hazardous Waste Facilities	1.0	0
ICE	EnviroStor Inspection, Compliance, and Enforcement	1.0	0
ILST	Leaking Underground Storage Tanks (LUSTs) on Indian Lands	0.5	0
IUST	Underground Storage Tanks (USTs) on Indian Lands	0.25	0
LDS	Land Disposal Sites	0.5	1
LUR	Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions	0.5	0
LUST	Leaking Underground Fuel Tank Reports	0.5	0
RESP	State Response Sites	1.0	0
SCH	School Property Evaluation Program Sites	1.0	0
SWAT	Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report	0.5	0

Database	Description	Distance (miles)	Listings
SWF	Solid Waste Information System (SWIS)	0.5	0
UST	Permitted Underground Storage Tank (UST) in GeoTracker	0.25	0
VCP	Voluntary Cleanup Program	1.0	0
HHSS	Historical Hazardous Substance Storage Information Database	0.25	4
CERS TANK	California Environmental Reporting System Tanks	0.25	2
DELISTED CTNK	Delisted California Reporting System Tanks	0.25	2
HIST TANK	Historical Hazardous Substance Storage Container Information	0.25	3
KERN AST	Kern County Above Ground Storage Tank List	0.25	4
KERN CUPA	Kern County COUPA List	0.25	18
LA COUNTY CUPA	LA County COUPA List	0.25	1
FINDS	Facility Registry Service/Facility Index	Site	50
HAZNET	Hazardous Waste Manifest Data	Site	29
HIST MANIFEST	Historical Hazardous Waste Manifest Data	0.125	4
CERS HAZ	California Environmental Reporting System Hazardous Waste	0.125	13
WASTE DISCHG	Waste Discharge Requirements	0.25	1
EMISSIONS	Toxic Pollutant Emissions Facilities	0.125	6

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The site tracts were not identified or mapped in the regulatory databases report.

The following table summarizes information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance / Direction/Gradient	Database Listings	Is a REC, CREC, or HREC to the Site
Rosamond Solar Project 14874 Holiday Avenue	Adjoining north of the western portion of Tract 3	CERS HAZ, EMISSIONS, RNGN	No, discussed below.

Facility Name And Location	Estimated Distance / Direction/Gradient	Database Listings	Is a REC, CREC, or HREC to the Site
Southern California Edison (SCE) Whirlwind Substation 3493 170 th Street West	1,000 feet / Northwest of Tract 1 / Up-gradient	CERS HAZ, KERN AST	No, based on the facility's distance relative to the site and anticipated depth to groundwater.

Rosamond Solar Project (14874 Holiday Avenue)

Rosamond Solar Project located on the adjoining parcel to the north of the western portion of Tract 3, is identified in the California Environmental Reporting System Hazardous Waste (CERS HAZ); Toxic Pollutant Emissions Facilities (EMISSIONS); and RCRA Non-Generators (RNGN) regulatory databases. Based on a review of the CERS HAZ listing, the facility was noted with the following violations in 2016: failure to submit hazardous material inventory and failure to submit a site map. The violations have since been returned to compliance. Additionally, the CERS HAZ listing identified a 460-gallons of diesel fuel one of the facility's waste streams. It should be noted the facility is not identified in the underground or aboveground storage tank listings, nor is the facility identified with a petroleum release in the California State Water Quality Control Board's online database, (GeoTracker). Furthermore, the facility, according to the RNGN listing, is permitted with a non-generator. The date of installation is not provided; however, no violations are identified. Based on the facility's regulatory status, its solar farm operations, and the anticipated depth to groundwater (approximately 115 to 120 feet bgs); the Rosamond Solar Project does not represent a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed 67 facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
Kern County Environmental Health Division (KCEHD) / by e-mail publichealth@kerncounty.com eh@co.kern.ca.us	According to the KCEHD, records were not found for the site.

Agency Contacted/ Contact Method	Response
Department of Toxic Substances Control (DTSC) / by e-mail pubreqact@dtsc.ca.gov	According to Ms. Choua Her with the DTSC, records were not found for the site. Additionally, Terracon reviewed the DTSC online database, EnviroStor, based on the review, no mapped facilities were identified within the site boundaries.
Central Valley Regional Water Quality Control Board (CVRWQCB) / by e-mail info5@waterboards.ca.gov	According to Ms. Kelly Martin with the CVRWQCB, records were not found for the site.
Kern County Fire Department (KCFD) / by online https://www.kerncountyfire.org/about-us/records-request.html	At the issuance of this report a response has not been received.
Kern County Planning Department (KCPD) / by e-mail planning@kerncounty.com	At the issuance of this report a response has not been received.
Kern County Air Pollution Control District (KCAPCD) / by e-mail glens@co.kern.ca.us	According to Mr. Gary Ray with the KCAPCD, records were not found for the site.

4.3 Local Area Knowledge

Based on a review of the California Department of Conservation, Geologic Energy Management Division well finder website ([CalGEM GIS](#)), the site is not identified within an oil field and there are no active or plugged oil production wells located at the site or adjoining properties.

Terracon researched on-line at the State Resources Water Control Board (SRWCB) GeoTracker database – Land Disposal Sites and landfills were not identified on-site or in the site vicinity.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance				
Field Personnel	Eric St. Michel / Jennifer S. Van			
Reconnaissance Date	February 15, 2021			
Weather Conditions	Cold/Cloudy / 50°F			
Site Contact/Title	NA			
Building Description				
Building Identification	Building Use	Approx. Construction Date	Number of Stories	Approx. Size (ft²)
Building on Tract 2	Residence	2005	1	4,600
Dilapidated Building on Tract 4	Vacant prior use not identified	1978	1	5,300
Dilapidated Building on Tract 4	Vacant prior use not identified	1978	1	5,300

5.2 Overview of Current Site Occupants

The site is located in Rosamond, Kern County, California, and consists of five non-continuous tracts of land totaling approximately 1,290.95-acres of primarily undeveloped, vacant, or fallow agricultural land. Tract 2 (northwest corner) contained a residential dwelling and former ranch building/barns (located at 15154 Rosamond Boulevard).

5.3 Overview of Current Site Operations

Operations on site consisted of residential dwelling and apparent previous horse ranch, the remainder of the site was vacant land.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	

Category	Item or Feature	Observed or Identified
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	X
	Drums, barrels and/or containers ≥ 5 gallons	X
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	
Electrical Transformers/PCBs	Transformers and/or capacitors	
	Other equipment	

Category	Item or Feature	Observed or Identified
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	X
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	X

Aboveground Chemical or Waste Storage

Aboveground storage tanks

Terracon observed a total of three aboveground storage tanks (ASTs) throughout the site.

- One approximately 10,000-gallon water AST was observed on the northwestern portion of Tract 2 within the residential dwelling/ ranch area (15154 Rosamond Boulevard).
- One approximately 1,000-gallon propane AST was observed on the northwestern portion of Tract 2 within the residential dwelling/ ranch area (15154 Rosamond Boulevard).
- One approximately 20,000-gallon red dye diesel AST was observed on the northern portion of tract 4 of the site. This AST was observed stored on soil without secondary containment. Staining, odors and/or releases were not observed

Based on site observations, the three ASTs do not represent a REC to the site.

Drums, barrels and/or containers ≥ 5 gallons

Terracon observed a single (empty) 55-gallon metal drum located on the western portion of Tract 3 (south of Willow Avenue going towards the west of Tract 3). The drum was empty and no staining was observed within the area of the dumped drum. In addition, one 55-gallon drum was observed on the northern portion of Tract 4 of the site. The drum was observed to be unlabeled and with oily staining. Limited oily staining was observed on the soil beneath the drum. The

staining appeared to be de minimis. Based on site observations and limited stained soils, the two 55-gallon drums do not represent a REC to the site.

Releases or Potential Releases

Trash, debris and/or other waste materials

Rubber tires and dumped household trash (paper, plastic, glass, and appliances) were observed scattered throughout the site Tracts. At the time of the site reconnaissance, the site was vacant and the dumped debris/garbage appeared to be from illegal dumping activities. Leakage, spills or releases from these materials were not observed. Based on site observations the rubber tires and household trash do not constitute a REC on the site.

Construction/demolition debris and/or dumped fill dirt

Dumped construction/demolition debris was observed on the southern portions of Tract 2 of the site, eastern portions of Tract 3 of the site, southern portions of Tract 4 of the site, along Gaskell Road on the northern portion of Tract 5 of the site, central portions of Tract 5 of the site, on the southeast portions of Tract 5 of the site. The dumped debris consisted of wood, concrete, asphalt, piping, and roofing materials. Staining and/or releases were not observed. Based on site observations, the dumped construction/demolition debris does not represent a REC to the site.

Other Notable Features

Wells

The following water wells were observed during the site reconnaissance:

- Terracon observed a capped groundwater well and associated pump located on the northwest central portion of Tract 3 south of Willow Avenue. No petroleum staining was observed on the concrete pad where the pump motor was situated. No staining or noxious odors were noted around the capped groundwater well.
- One inactive water well was observed on the northern portion of Tract 4 of the site. According to the ERIS Property Setting Report, this well (009N013W30P001S/USGS-345017118180301) was constructed in 1961 and the well hole depth is reported at 760 feet.
- One apparently active water well with water pump was observed on the northwest corner of Tract 5 of the site. According to the ERIS Property Setting Report, the well (009N013W30N001S/ USGS-345006118183101) hole depth is reported at 500 feet. The construction date was not reported.
- One inactive water well was observed on the southwest corner of Tract 5 of the site. According to the ERIS Property Setting Report, the well (009N013W31E001S/ USGS-344939118182601) hole depth is reported at 500 feet. The construction date was not reported.
- One inactive water well was observed on the northern portion of Tract 5 of the site. According to the ERIS Property Setting Report, the well (009N013W31B001S/ USGS-

344958118175301) hole depth is reported at 500 feet. The construction date was not reported.

- One inactive water well was observed on the central portion of Tract 5 of the site. According to the ERIS Property Setting Report, the well (009N013W31G001S/ USGS-344945118175301) hole depth is reported at 500 feet. The construction date was not reported.
- One inactive well was observed on the northeast corner of Tract 5 of the site. According to the ERIS Property Setting Report, the well (009N013W29N001S/ USGS-345006118172101) hole depth is reported at 560 feet. The construction date was not reported.
- One inactive well was observed on the eastern portion of Tract 5 of the site. According to the ERIS Property Setting Report, the well (009N013W32D001S/ USGS-344954118172501) hole depth is reported at 678 feet. The construction date was not reported.

In addition, Terracon observed three cisterns located on Tract 5 of the site. Staining and/or releases were not observed. Based on site observations, the wells and cisterns do not represent a REC to the site.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	<p>Tract 1 – Consists of vacant land.</p> <p>Tract 2 – Consists of Rosamond Boulevard followed by vacant land, and an active solar farm.</p> <p>Tract 3 – Consists of active solar farms, Holiday Avenue, a residential dwelling (3875 Holiday Avenue) and fallow agricultural land.</p> <p>Tract 4 – Consists of single-family residences (1268 100th Street West and 9645-9801 Buckhorn Avenue).</p> <p>Tract 5 – Consists of a commercial building and water basin; Avek Water Agency, fallow agricultural land, and undeveloped land.</p>
East	<p>Tract 1 – Consists of vacant land.</p> <p>Tract 2 – Consisted of active solar farms as well as an active solar sub-station (east of the southeast corner of Tract 2).</p> <p>Tract 3 – Consisted of active solar farms.</p> <p>Tract 4 – Consists of undeveloped land.</p> <p>Tract 5 – Consists of fallow agricultural land and a residence (470 9th Street West).</p>

Direction	Description
South	<p>Tract 1 – Consists of vacant land followed by Holiday Avenue followed then an electrical sub-station (16900 Holiday Avenue).</p> <p>Tract 2 - Consisted of active solar farms and Holiday Avenue.</p> <p>Tract 3 - Consisted of active solar farms, vacant land, and Gaskell Road followed by vacant land.</p> <p>Tract 4 – Consists of Gaskell Road followed by fallow agricultural land.</p> <p>Tract 5 – Consists of fallow agricultural land and single-family residences (9967 Owl Road and 9101 Spur Ranch Road).</p>
West	<p>Tract 1 - Consisted of 170th Street West followed by vacant land.</p> <p>Tract 2 – Consisted of an active solar farm and vacant land.</p> <p>Tract 3 – Consists of 140th Street followed by vacant land.</p> <p>Tract 4 – Consists of 100th Street West followed by fallow agricultural land.</p> <p>Tract 5 – Consists of 100th Street west followed by fallow agricultural land and a residence (745 100th Street West).</p>

RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

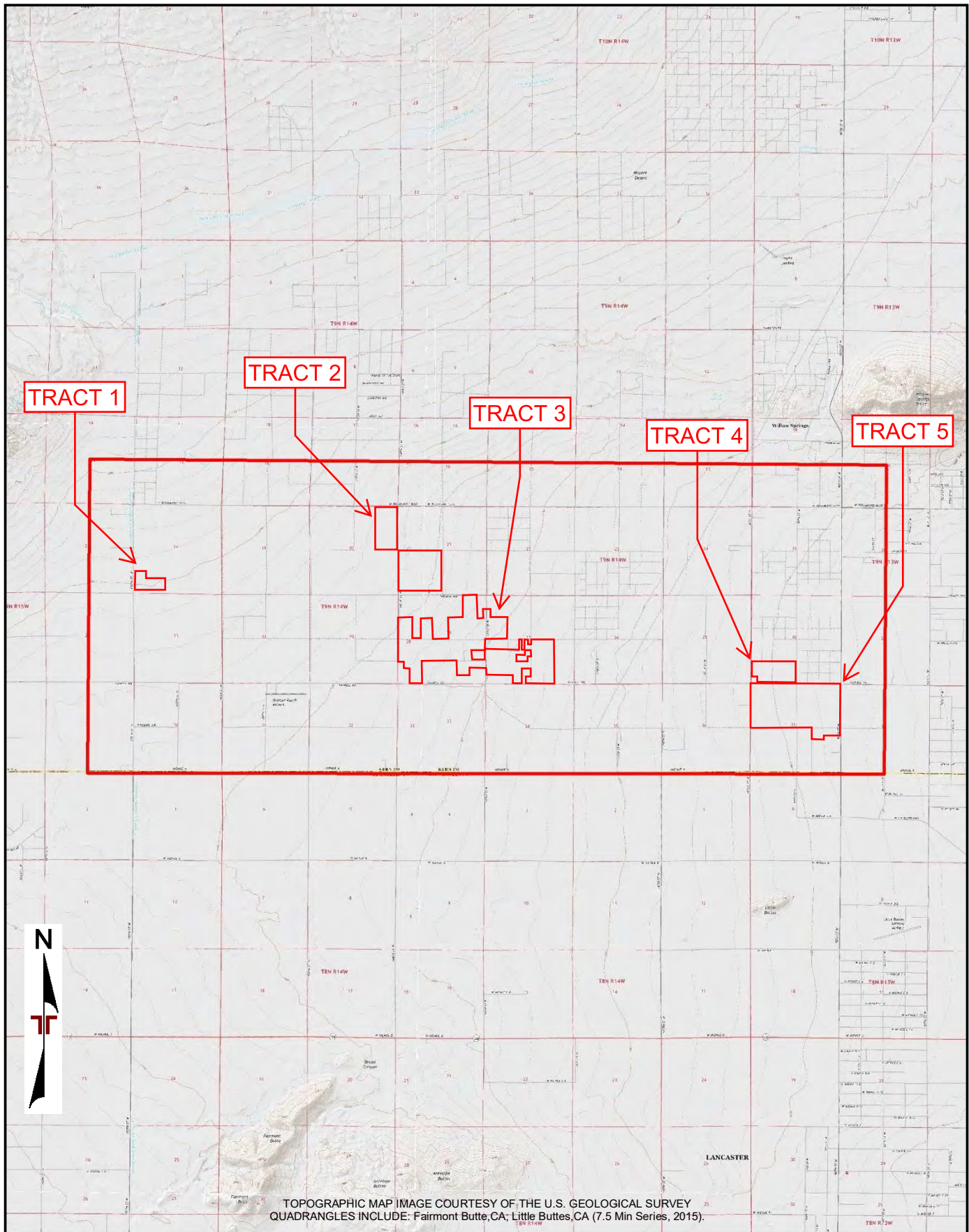
8.0 DECLARATION

I, Islam (Sami) R. Noaman, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Islam (Sami) R. Noaman
Environmental Department Manager II

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2A – SITE DIAGRAM TRACT 1
EXHIBIT 2B – SITE DIAGRAM TRACT 2
EXHIBIT 2C – SITE DIAGRAM TRACT 3
EXHIBIT 2D – SITE DIAGRAM TRACT 4&5



Project Manager:	GRJ
Drawn by:	GRJ
Checked by:	IRN
Approved by:	IRN
Project No.	60217020
Scale:	1"=2,000'
File Name:	21020900126
Date:	2015

Terracon

1421 Edinger Ave Suite C
Tustin, California 92780

TOPOGRAPHIC MAP

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Exhibit

1

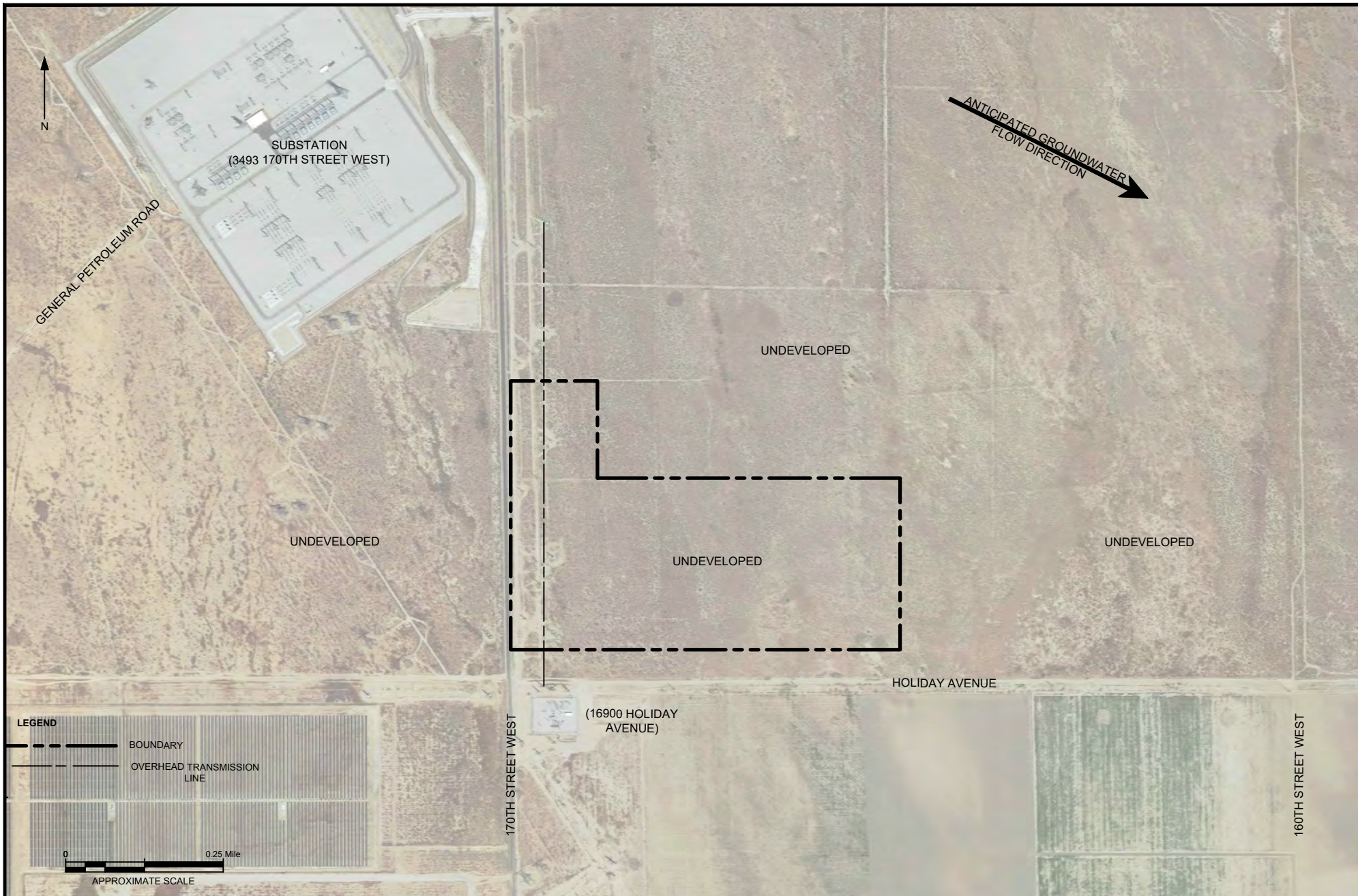


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	GRJ	Project No.	60217020
Drawn By:	MSA	Scale:	AS SHOWN
Checked By:	IRN	File No.	60217020.DWG
Approved By:	IRN	Date:	02/21/2021

Terracon
Consulting Engineers and Scientists

1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM
ROSAMOND SOUTH SOLAR - TRACT 1
ROSAMOND, KERN COUNTY, CALIFORNIA

EXHIBIT
2A

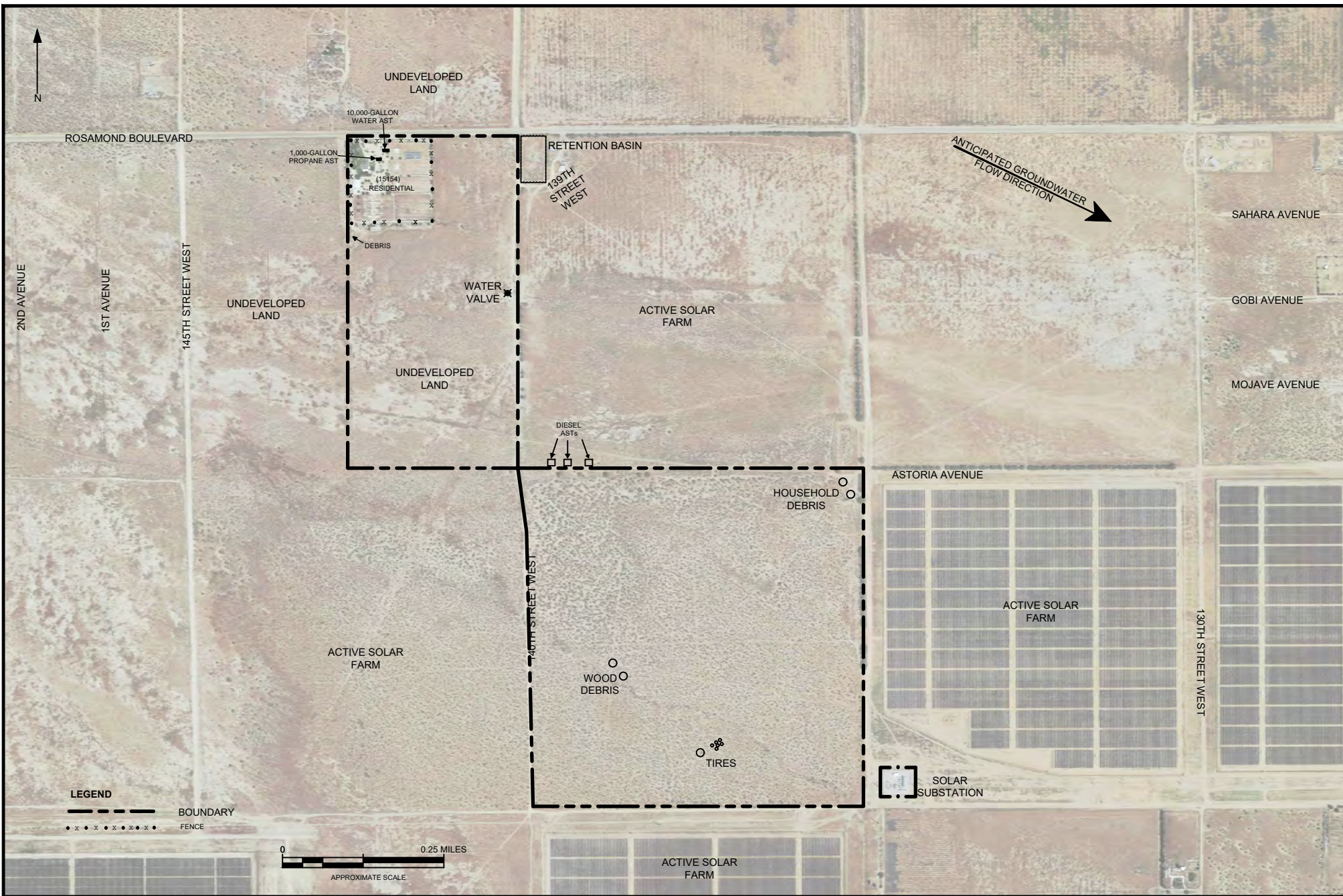


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	GRJ	Project No.	60217020
Drawn By:	MSA	Scale:	AS SHOWN
Checked By:	IRN	File No.	60217020.DWG
Approved By:	IRN	Date:	02/21/2021

Terracon
Consulting Engineers and Scientists

1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM

ROSAMOND SOUTH SOLAR - TRACT 2
ROSAMOND, KERN COUNTY, CALIFORNIA

EXHIBIT

2B

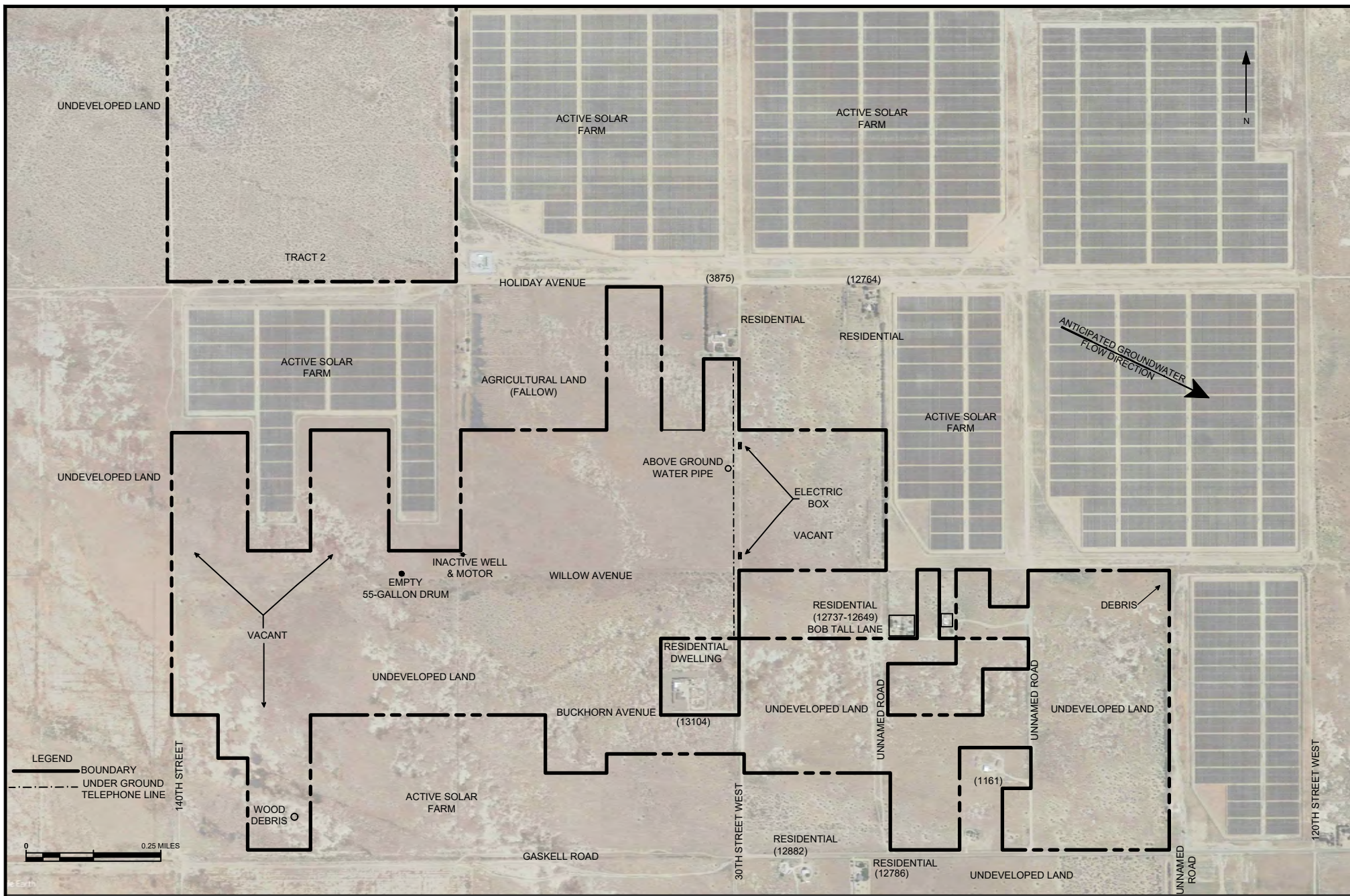


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mng: GRJ
 Drawn By: MSA
 Checked By: IRN
 Approved By: IRN

Project No. 60217020
 Scale: AS SHOWN
 File No. 60217020.DWG
 Date: 02/21/2021

Terracon
 Consulting Engineers and Scientists
 1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
 PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM

ROSAMOND SOUTH SOLAR - TRACT 3
 ROSAMOND, KERN COUNTY, CALIFORNIA

EXHIBIT

2C

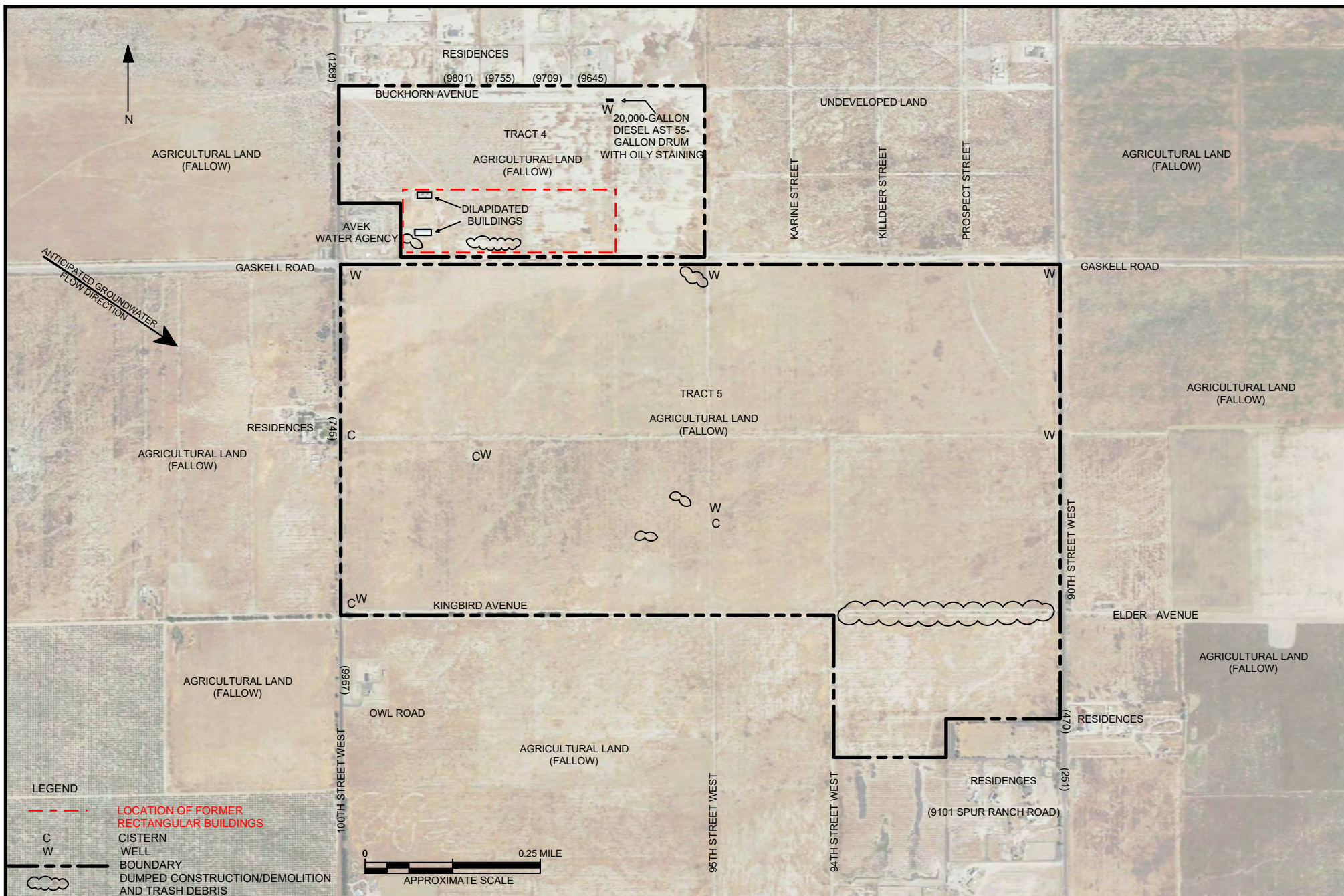


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr: GRJ
 Drawn By: MSA
 Checked By: IRN
 Approved By: IRN

Project No. 60217020
 Scale: AS SHOWN
 File No. 60217020.DWG
 Date: 02/21/2021

Terracon
 Consulting Engineers and Scientists

1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
 PH. 949.261.0051 FAX. 949.261.6110

SITE DIAGRAM

ROSAMOND SOUTH SOLAR - TRACT 4&5
 ROSAMOND, KERN COUNTY, CALIFORNIA

EXHIBIT

2.3

APPENDIX B
SITE PHOTOGRAPHS



Photo #1 View of the eastern portion of Tract 2, from the northwest corner.



Photo #2 View of the residential dwelling/ranch located on the northwest corner of Tract 2.



Photo #3 Additional view of horse stables at the northwest portion of the ranch/residence on Tract 2.



Photo #4 View of the discarded wood debris located south of the residence on Tract 2.



Photo #5 Additional view of the horse stables located on Tract 2.



Photo #6 View looking south of the residence on the northwest corner of Tract 2.



Photo #7 View of the central portion of Tract 2 looking to the north.



Photo #8 View of the southern portion of Tract 2 looking southeast.



Photo #9 View of the southern portion of Tract 2 looking east on 130th Street West.



Photo #10 View of wood debris located on the southern portion of Tract 2.



Photo #11 View of discarded tires at the southern portion of Tract 2.



Photo #12 View of dumped household debris to the northeast of the southern portion of Tract 2.



Photo #13 View of the northern adjoining property from Tract 2, across Rosamond Boulevard.



Photo #14 View of the western adjoining property from Tract 2.



Photo #15 View of the southern adjoining property from the northwest portion of Tract 2.



Photo #16 View of the eastern adjoining property from Tract 2.



Photo #17 View of the southern adjoining property from Tract 2.



Photo #18 View of the eastern adjoining property from the southern portion of Tract 2.



Photo #19 View of Tract 1 looking north.



Photo #20 View of Tract 1 looking east.



Photo #21 View of Tract 1 looking south.



Photo #22 View of an underground fiber location sign located on the western side of Tract 1.



Photo #23 Additional view of the western portion of Tract 1 near 170th Street.



Photo #24 View of the southern adjoining Holiday Avenue followed by a sub-station from Tract 1.



Photo #25 View of the western adjoining property from Tract 1.



Photo #26 View of the eastern adjoining property from Tract 1.



Photo #27 View of the southwest portion of Tract 3 looking northeast.



Photo #28 View of an inactive water well pump located on the western side of Willow Avenue on Tract 3.



Photo #29 View of a capped well on the west side of Willow Avenue on Tract 3.



Photo #30 View of the western side of Tract 3 from 130th Street West.



Photo #31 View of the northwest portion of Tract 3.



Photo #32 View of the northern most portion of Tract 3 looking south.



Photo #33 View of a discarded empty 55-gallon drum on the western portion of Tract 3.



Photo #34 Additional view of Tract 3 on the northern portion of the site.



Photo #35 View of an electrical box on 130th Street West along the central portion of Tract 3.



Photo #36 View of the western side of Tract 3 from 130th Street West.



Photo #37 View of the northwest adjoining property from Tract 3.



Photo #38 View of the southwest adjoining property from Tract 3 (active solar farms).



Photo #39 View of an adjoining residential dwelling south centrally located on Tract 3.



Photo #40 View of the southern adjoining property from Tract 3.



Photo #41 View of the northeast portion of Tract 3 of the site.



Photo #42 View of dumped tires on the northeast portion of Tract 3 of the site.



Photo #43 View of the eastern of Tract 3 of the site.



Photo #44 View of the residence located to the adjoining north of the eastern portion of Tract 3 of the site.



Photo #45 View of the two dilapidated structures located on the southwestern portion of Tract 4 of the site.



Photo #46 View of the ~20,000-gallon red dye diesel AST located on the northern portion of Tract 4 of the site.



Photo #47 View of a 55-gallon drum with limited soil staining located on the northern portion of Tract 4 of the site.



Photo #48 View of an inactive well located on the northern portion of Tract 4 of the site.



Photo #49 View of dumped construction demolition debris located on the southern portion of Tract 4 of the site.



Photo #50 View of additional dumped debris located on the southeast corner of Tract 4 of the site.



Photo #51 View of the residences located to the adjoining north of Tract 4 of the site.



Photo #52 View of Avek Water Agency; reservoir, located to the adjoining southwest of Tract 4 of the site.



Photo #53 View of a well and pump located on the northwest corner of Tract 5 of the site.

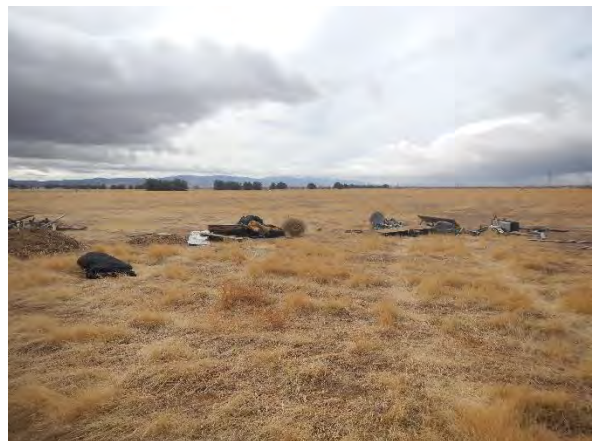


Photo #54 View of dumped debris located on the central portion of Tract 5 of the site.



Photo #55 View of a cistern located on the central-southern portion of Tract 5 of the site.



Photo #56 View of undeveloped land located to the adjoining north of Tract 5 of the site.



Photo #57 View of residences located to the adjoining south of the eastern portion of Tract 5 of the site.



Photo #58 View of vacant residences located to the adjoining west of Tract 5 of the site.

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

Client/User Required Questionnaire



Person Completing Questionnaire	Name: Company:	Phone: Email:
Site Name		
Site Address		
Point of Contact for Access	Name: Company:	Phone: Email:
Access Restrictions or Special Site Requirements?	___ No ___ Yes (If yes, please explain)	
Confidentiality Requirements?	___ No ___ Yes (If yes, please explain)	
Current Site Owner	Name: Company:	Phone: Email:
Current Site Operator	Name: Company:	Phone: Email:
Reasons for ESA (e.g., financing, acquisition, lease, etc.)		
Anticipated Future Site Use		
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	
<p align="center">ASTM User Questionnaire</p> <p>In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.</p>		
<p>1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? ___ No ___ Yes ___ Title search not completed (If yes, explain below and send Terracon a copy of the Chain of Title report.)</p>		
<p>2) Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? ___ No ___ Yes ___ Title search not completed (If yes, explain below and send Terracon a copy of the Chain of Title report.)</p>		
<p>3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? ___ No ___ Yes (If yes, explain below)</p>		
<p>4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? ___ No ___ Yes ___ Not applicable (If yes, explain below)</p>		
<p>5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? ___ No ___ Yes (If yes, explain below)</p>		
<p>6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? ___ No ___ Yes (If yes, explain below)</p>		
<p><u>Comments or explanations:</u></p>		

Please return this form with the signed authorization to proceed.

Project No.



TOPOGRAPHIC MAPS

Project Property: *Rosamond Boundary
Rosamond Boundary
Lancaster CA*

Project No: *0*

Requested By: *Terracon*

Order No: *21020900126*

Date Completed: *February 23, 2021*

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1995	7.5
1974	7.5
1965	7.5
1943	15

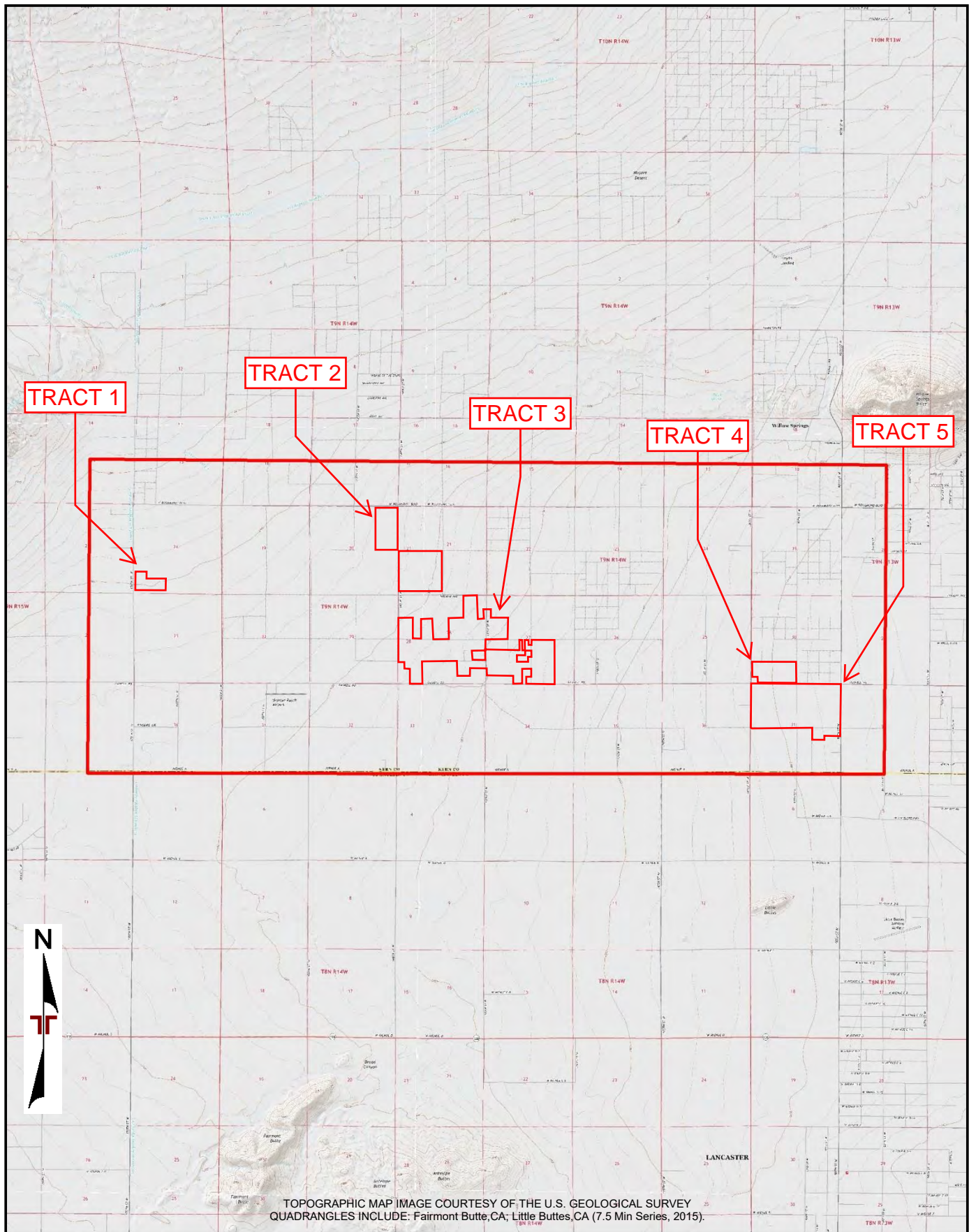
Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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Project Manager:	GRJ	Project No.	60217020
Drawn by:	GRJ	Scale:	1"=2,000'
Checked by:	IRN	File Name:	21020900126
Approved by:	IRN	Date:	2015

Terracon

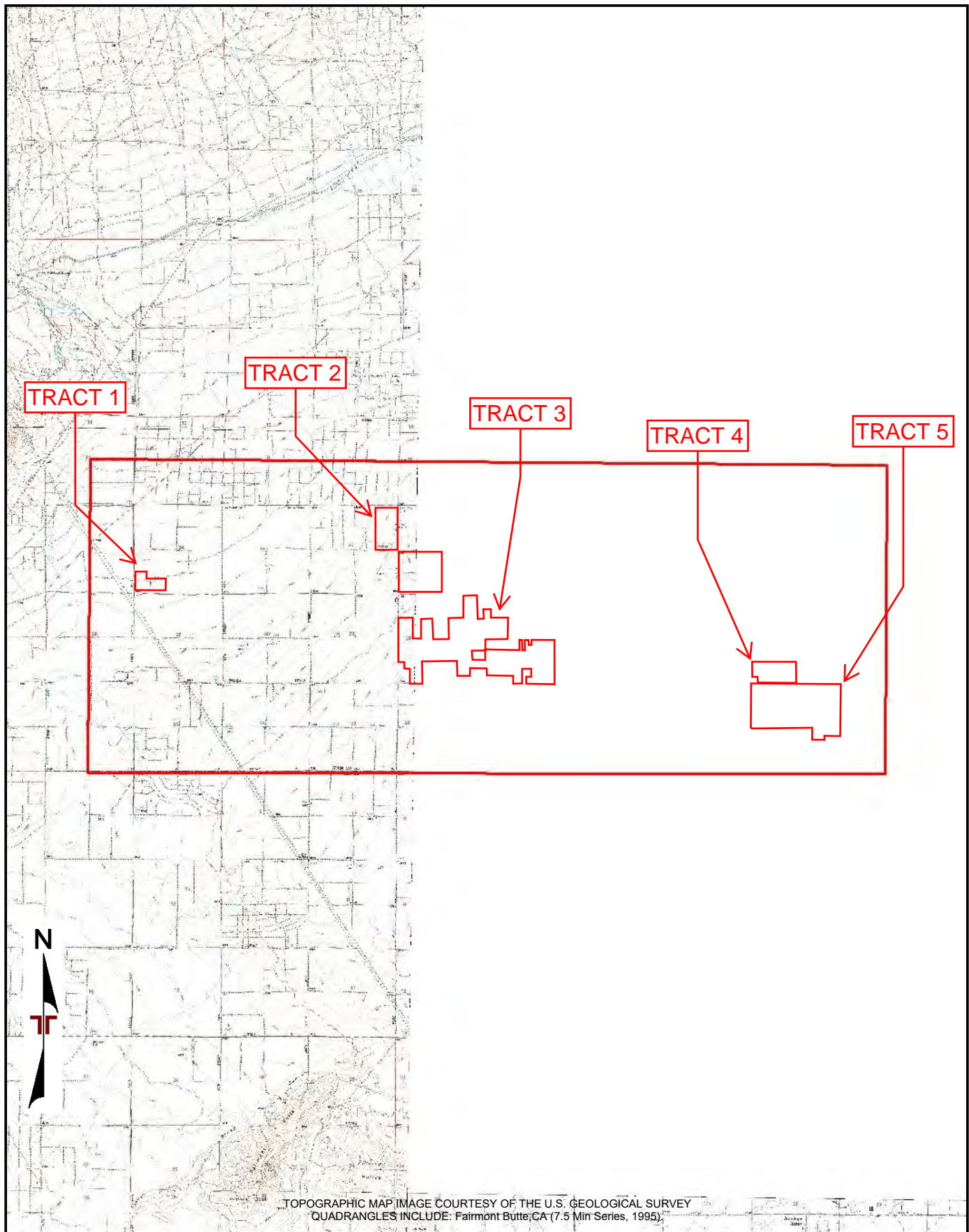
1421 Edinger Ave Suite C
Tustin, California 92780

TOPOGRAPHIC MAP (2015)

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



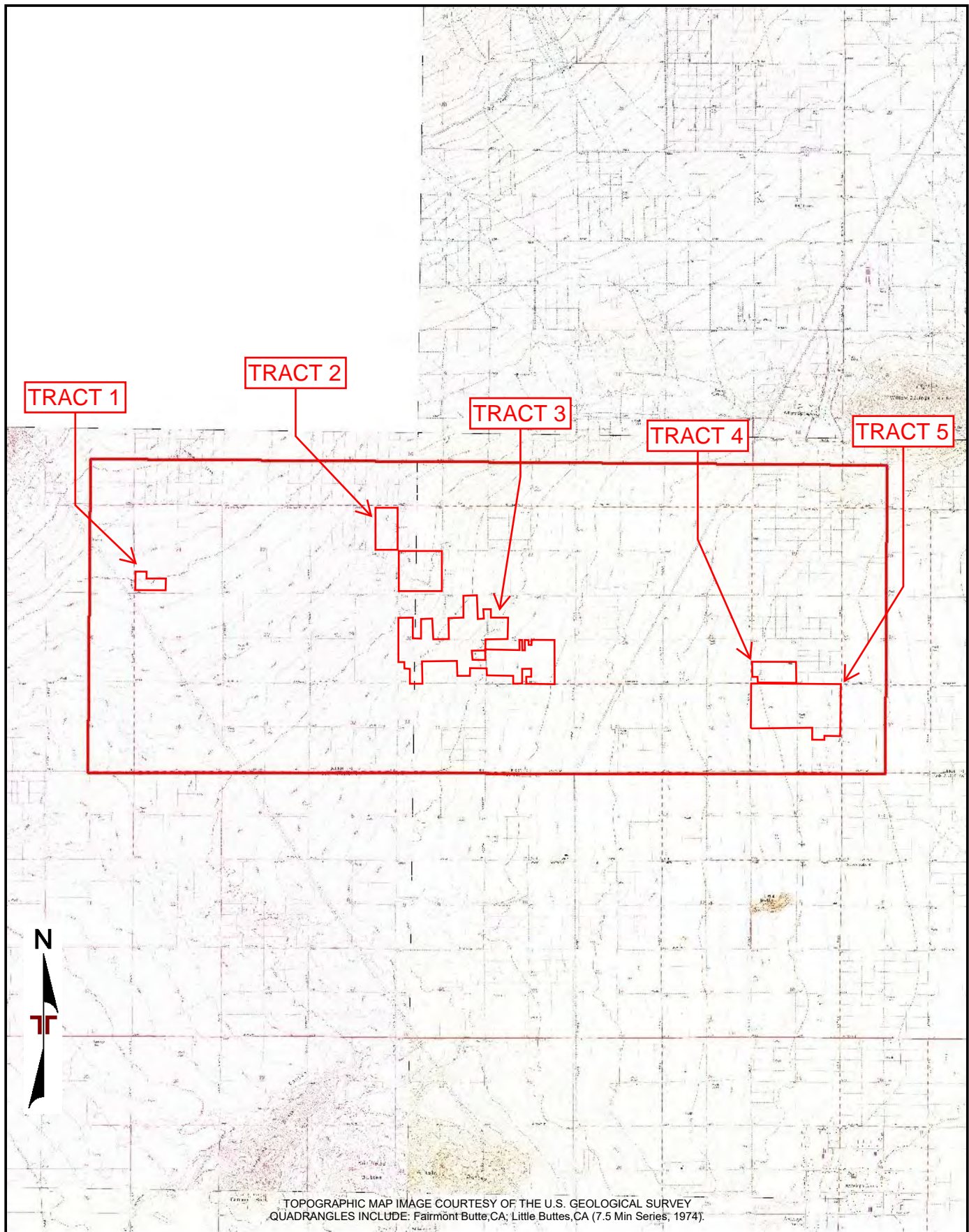
Project Manager:	GRJ	Project No.	60217020
Drawn by:	GRJ	Scale:	1"=2,000'
Checked by:	IRN	File Name:	21020900126
Approved by:	IRN	Date:	1995

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Tustin, California 92780

TOPOGRAPHIC MAP (1995)
ROSAMOND SOUTH SOLAR ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix
C



Project Manager:	GRJ	Project No.	60217020
Drawn by:	GRJ	Scale:	1"=2,000'
Checked by:	IRN	File Name:	21020900126
Approved by:	IRN	Date:	1974

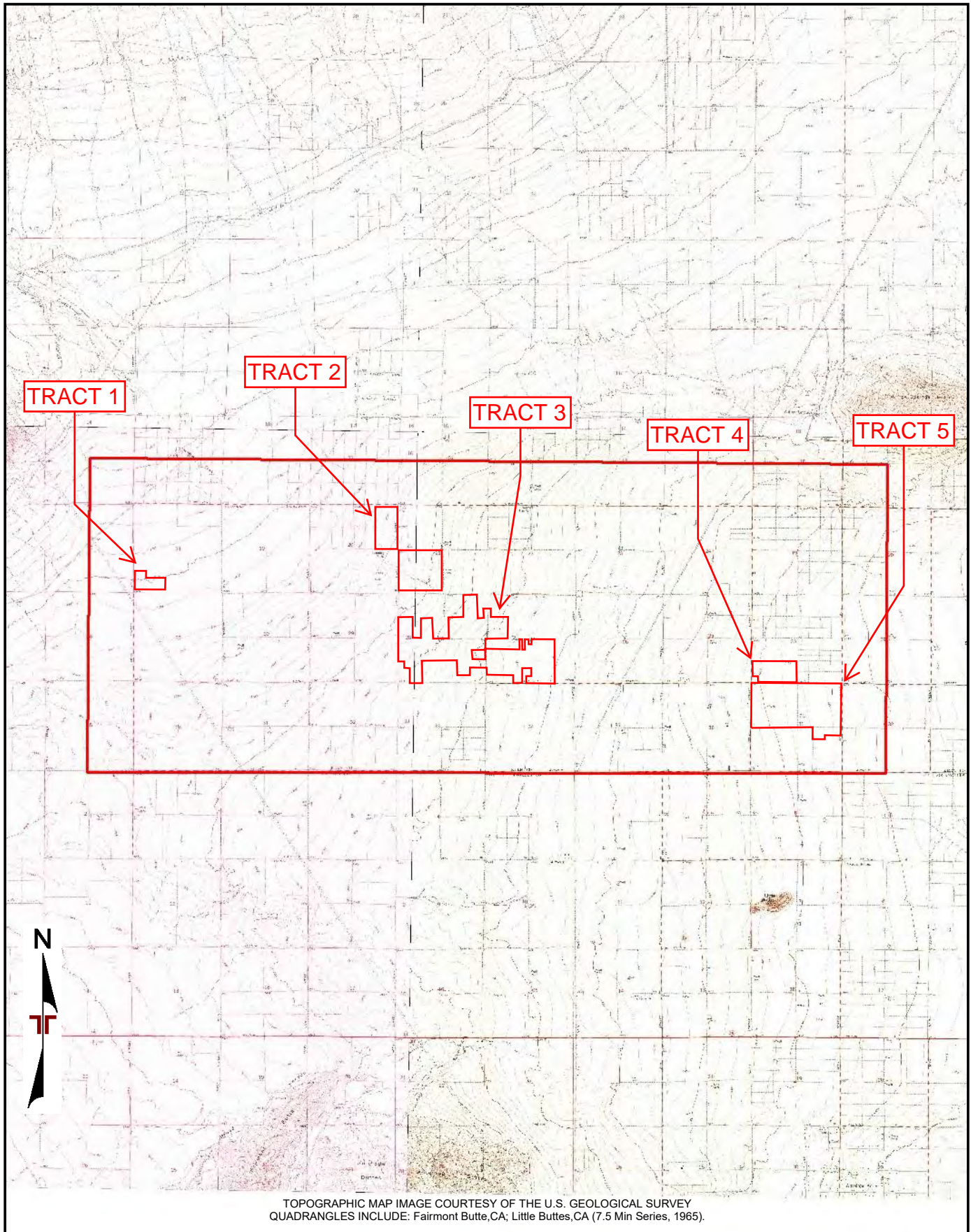
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 Tustin, California 92780

TOPOGRAPHIC MAP (1974)

ROSAMOND SOUTH SOLAR
 ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix
C



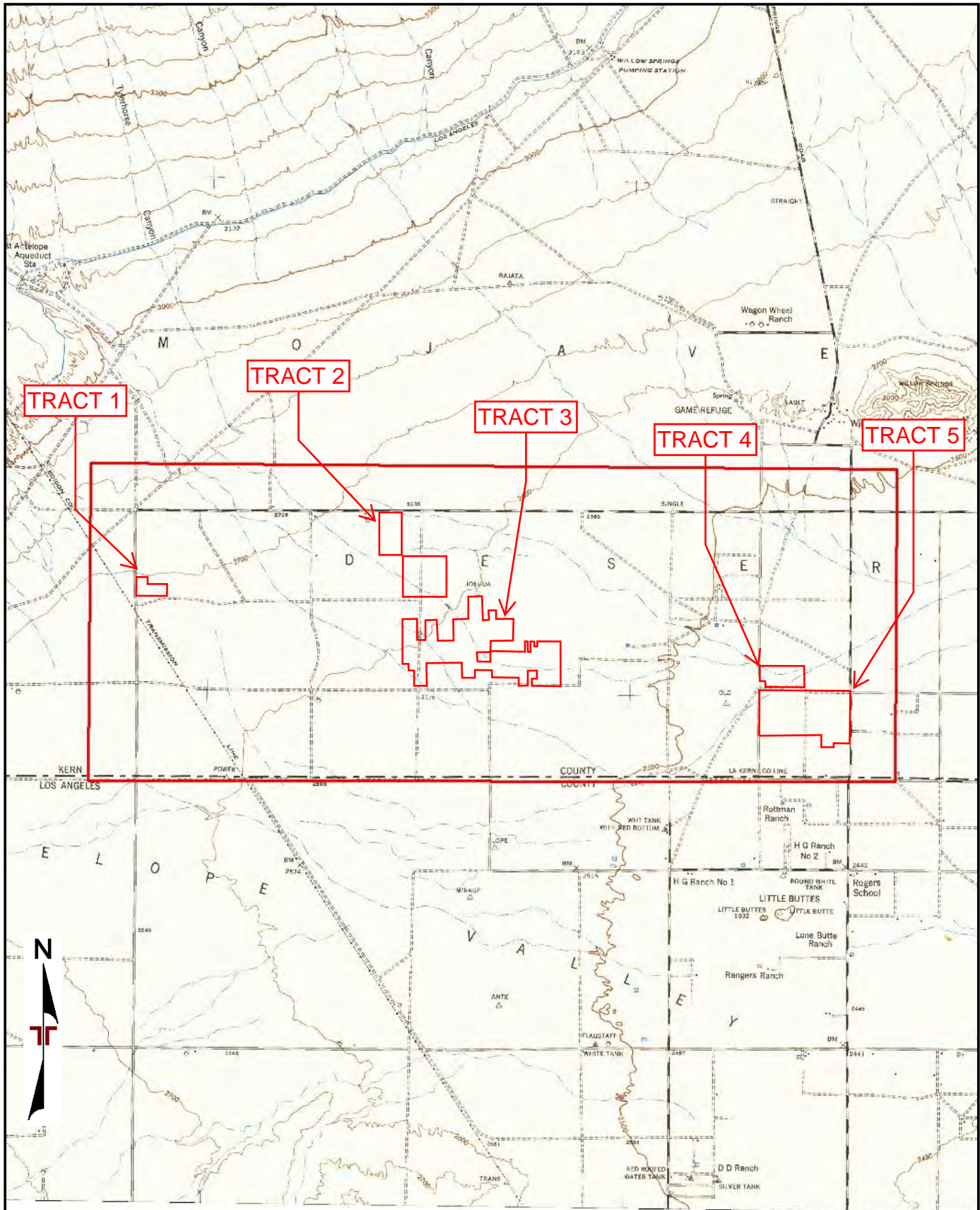
Project Manager:	GRJ	Project No.	60217020
Drawn by:	GRJ	Scale:	1"=2,000'
Checked by:	IRN	File Name:	21020900126
Approved by:	IRN	Date:	1965

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TOPOGRAPHIC MAP (1965)
ROSAMOND SOUTH SOLAR ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix
C



Project Manager:	GRJ	Project No.	60217020
Drawn by:	GRJ	Scale:	1"=2,000'
Checked by:	IRN	File Name:	21020900126
Approved by:	IRN	Date:	1943

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TOPOGRAPHIC MAP (1943)
ROSAMOND SOUTH SOLAR ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix
C



HISTORICAL **AERIALS**

Project Property:	Rosamond Boundary Rosamond Boundary Lancaster CA
Requested By:	Terracon
Order No:	21020900126
Data Completed:	February 19,2021

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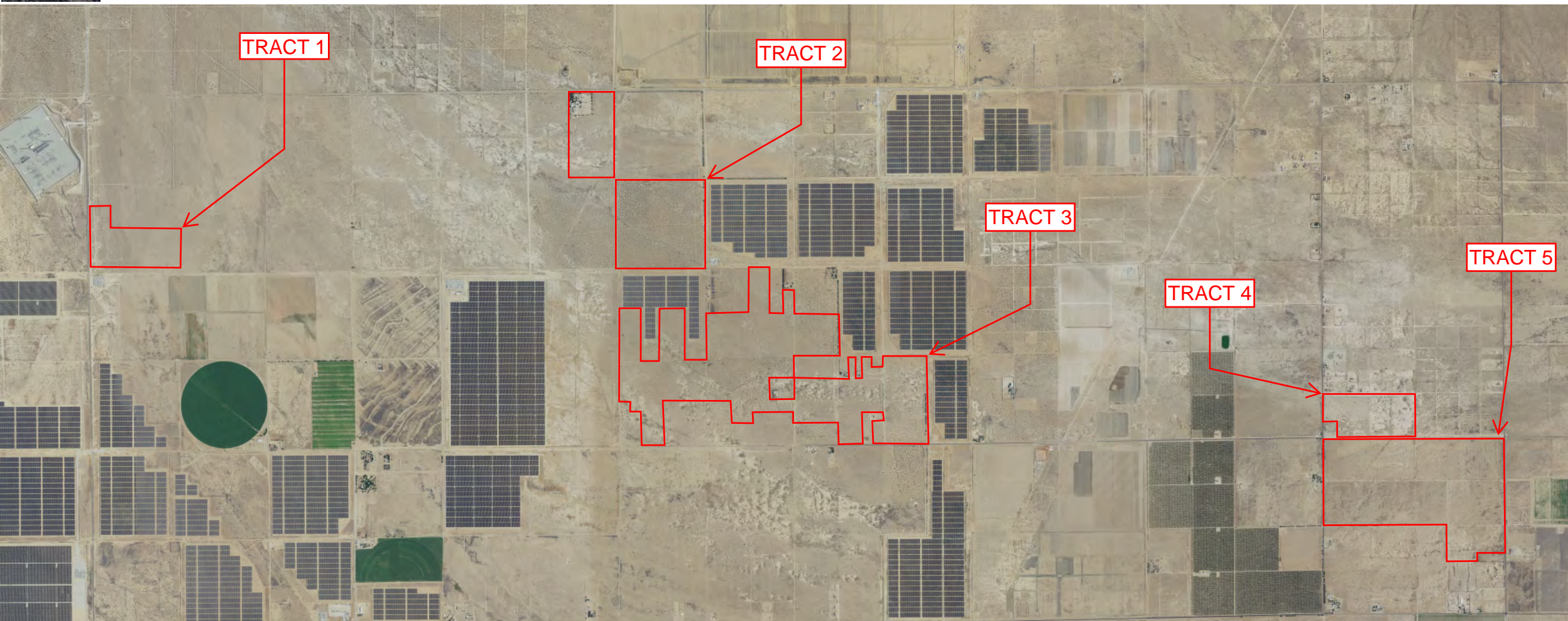
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Source Scale	Comments
2018	National Agriculture Information Program	1" to 2500'	
2016	National Agriculture Information Program	1" to 2500'	
2014	National Agriculture Information Program	1" to 2500'	
2012	National Agriculture Information Program	1" to 2500'	
2010	National Agriculture Information Program	1" to 2500'	
2009	National Agriculture Information Program	1" to 2500'	
2006	National Agriculture Information Program	1" to 2500'	
2005	National Agriculture Information Program	1" to 2500'	
1994	US Geological Survey	1" to 2500'	
1987	National High Altitude Photography	1" to 2500'	
1978	US Geological Survey	1" to 2500'	
1974	US Geological Survey	1" to 2500'	
1963	US Geological Survey	1" to 2500'	
1948	Agriculture and Soil Conservation Service	1" to 2500'	

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Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2018

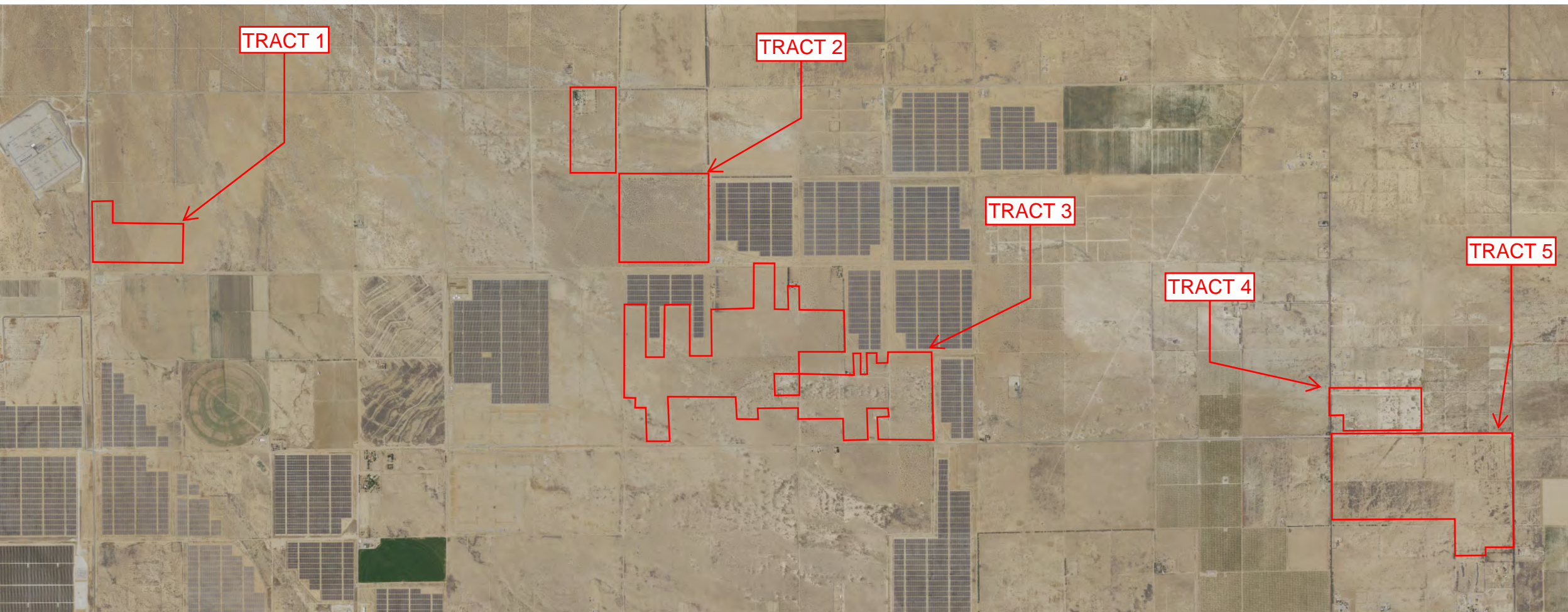
Terracon
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Tustin, CA 92780

2018 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2016

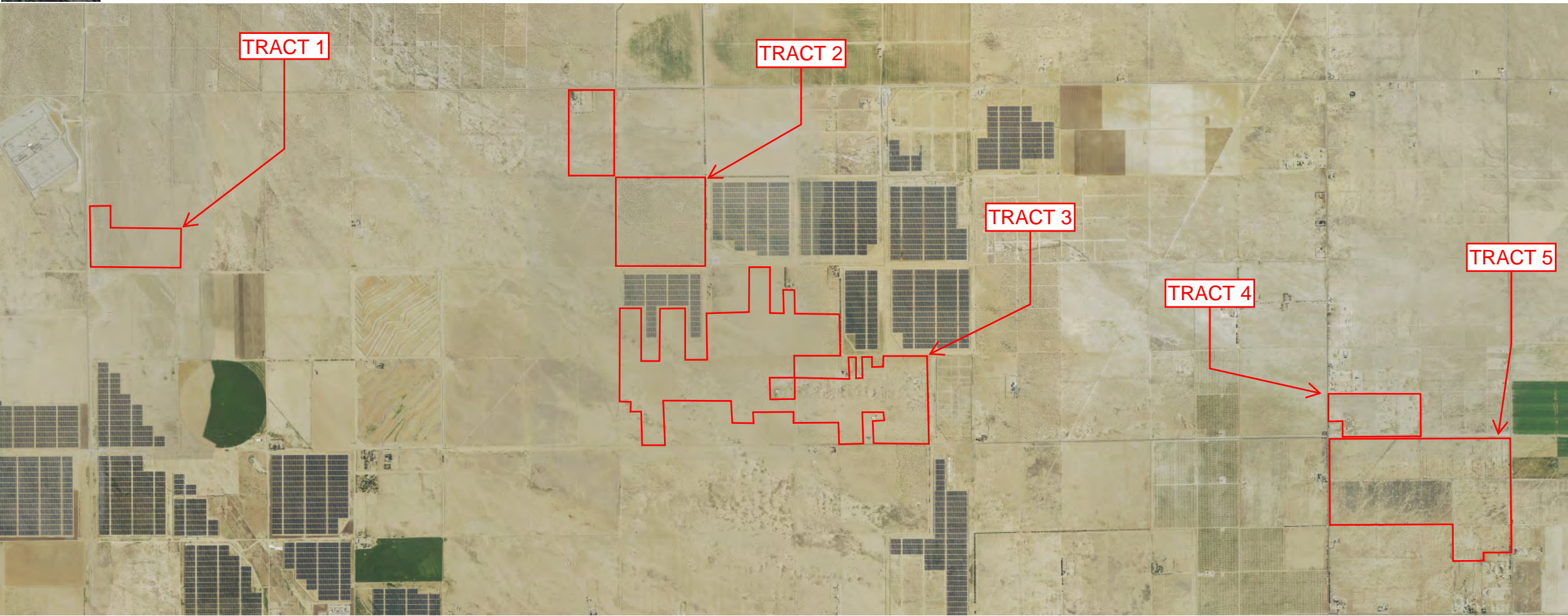
Terracon
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Tustin, CA 92780

2016 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2014

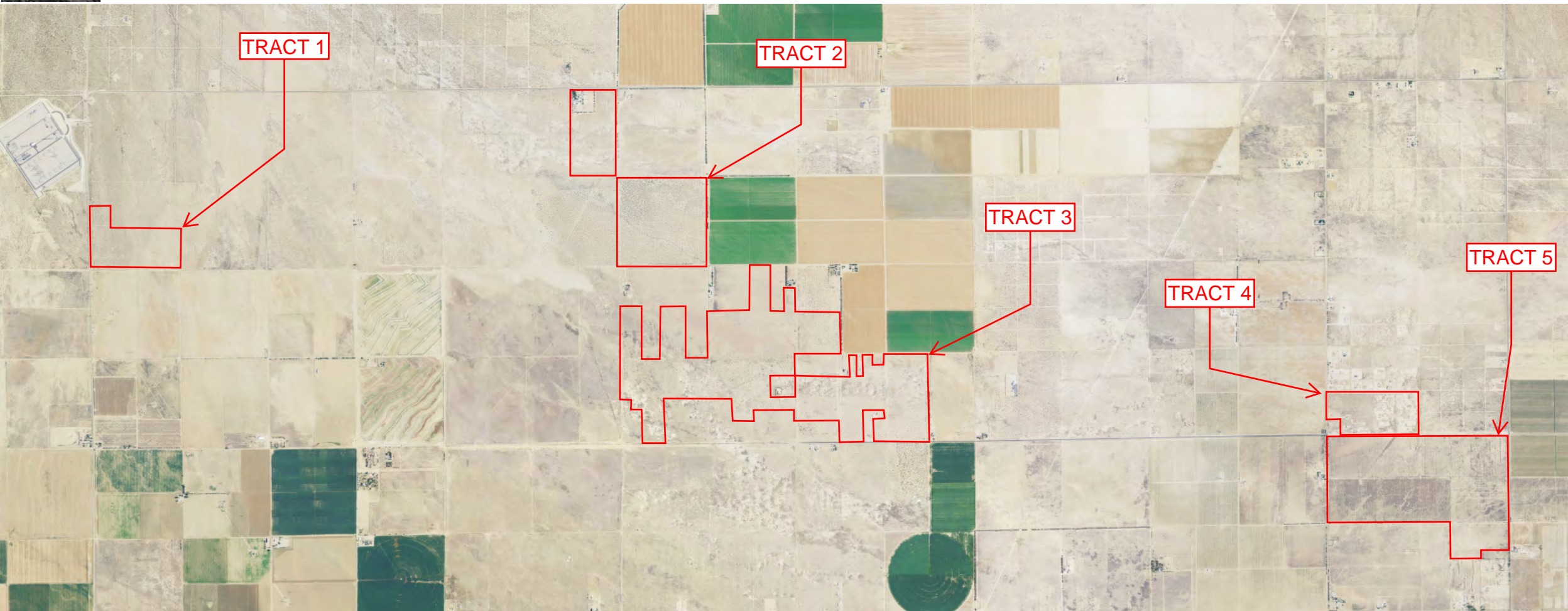
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Tustin, CA 92780

2014 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2012

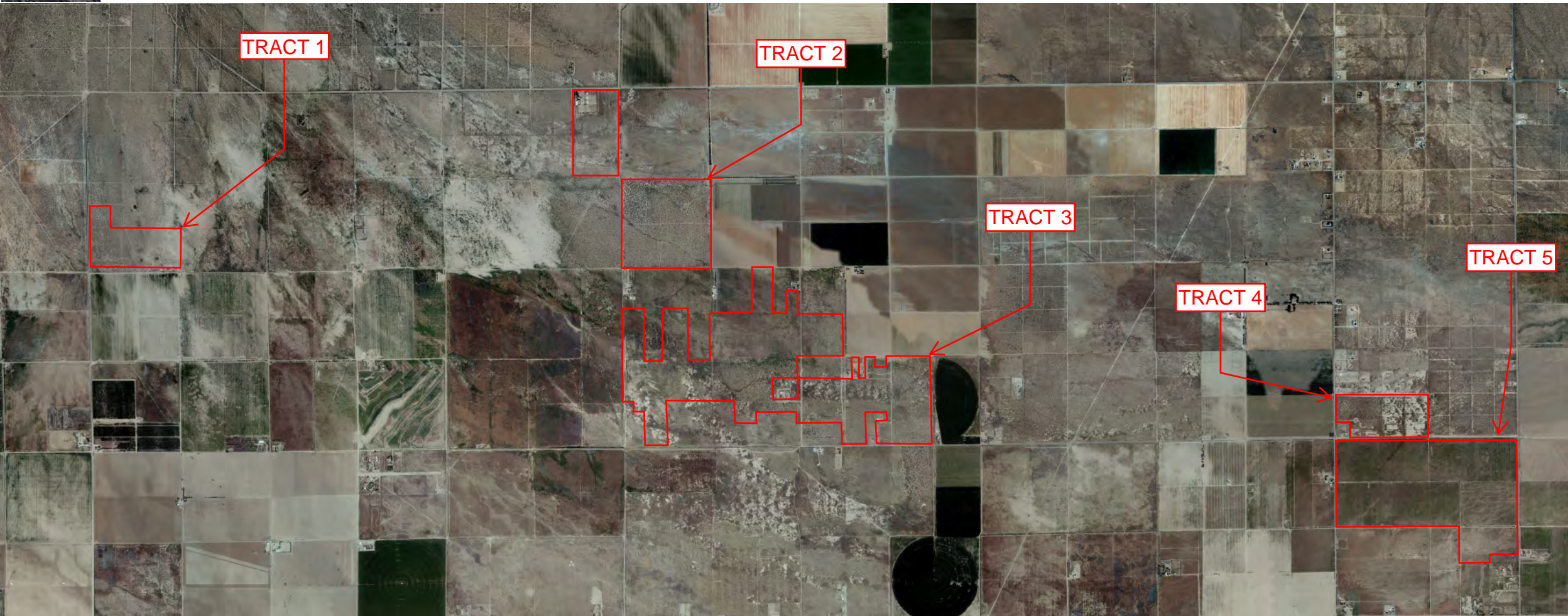
Terracon
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Tustin, CA 92780

2012 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2010

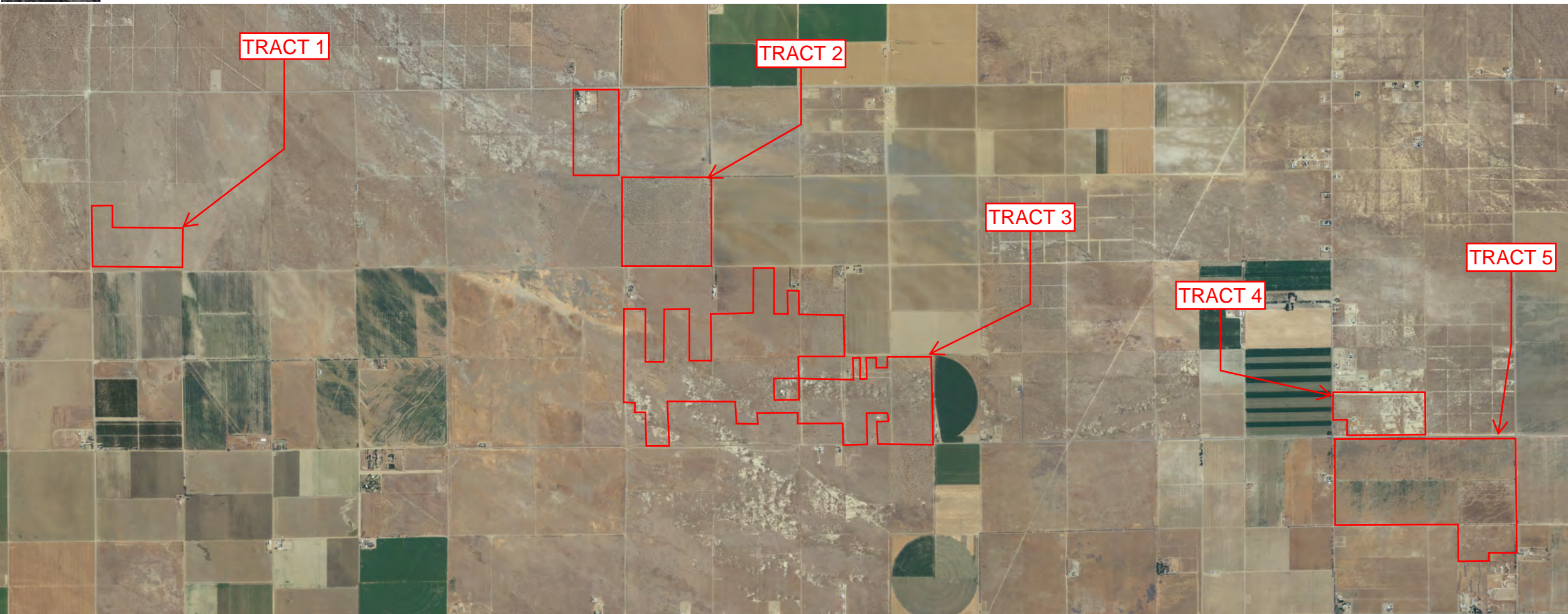
Terracon
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Tustin, CA 92780

2010 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2009

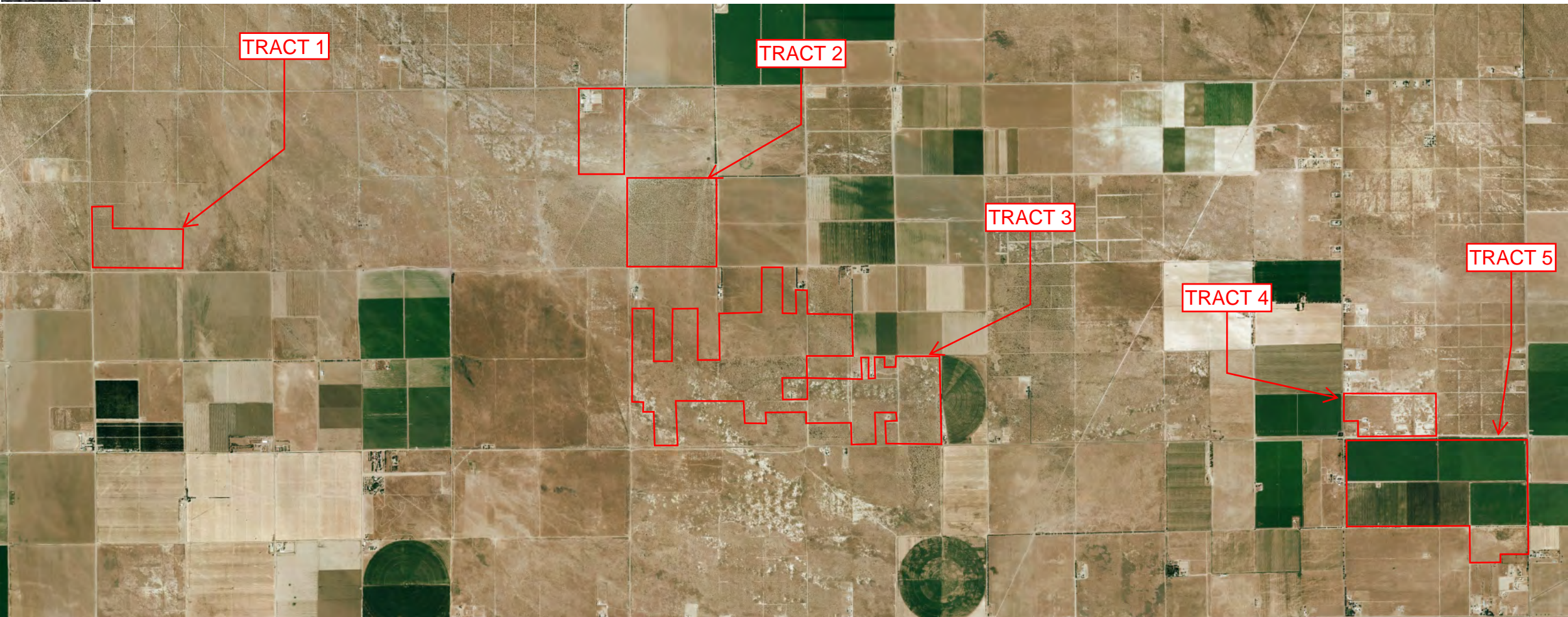
Terracon
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Tustin, CA 92780

2009 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2006

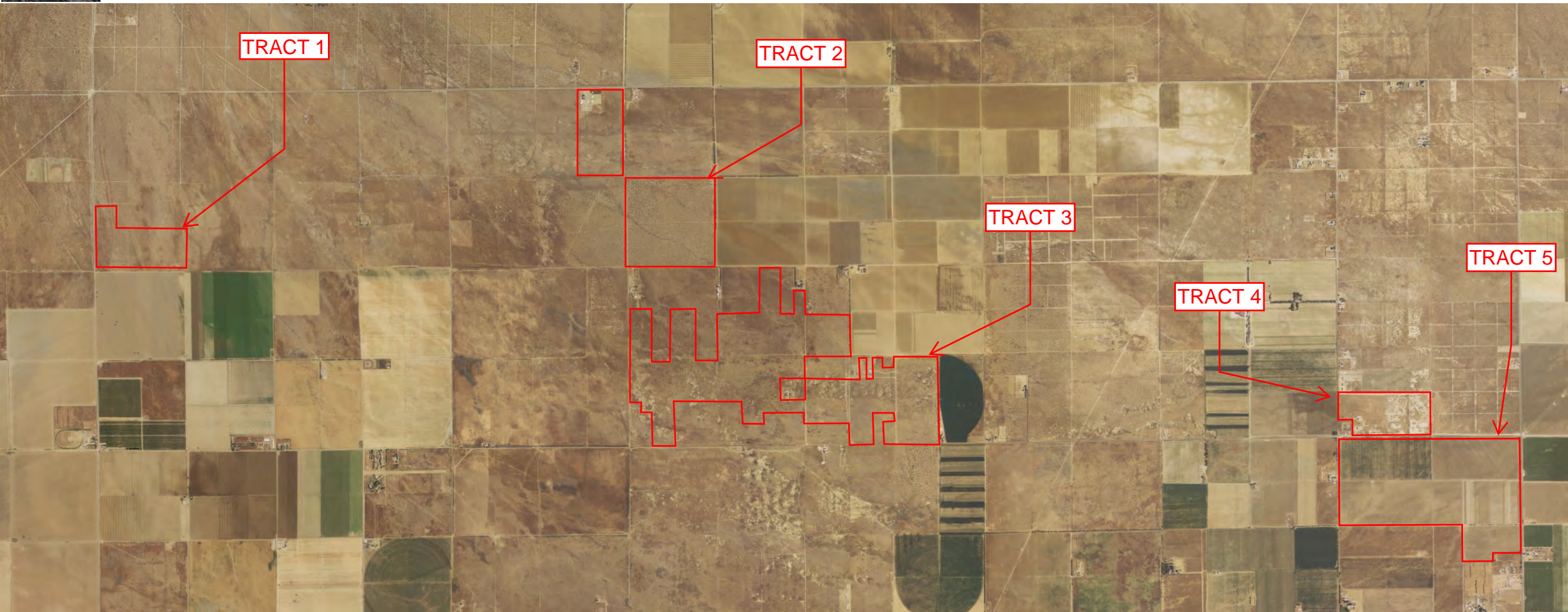
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Tustin, CA 92780

2006 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	2005

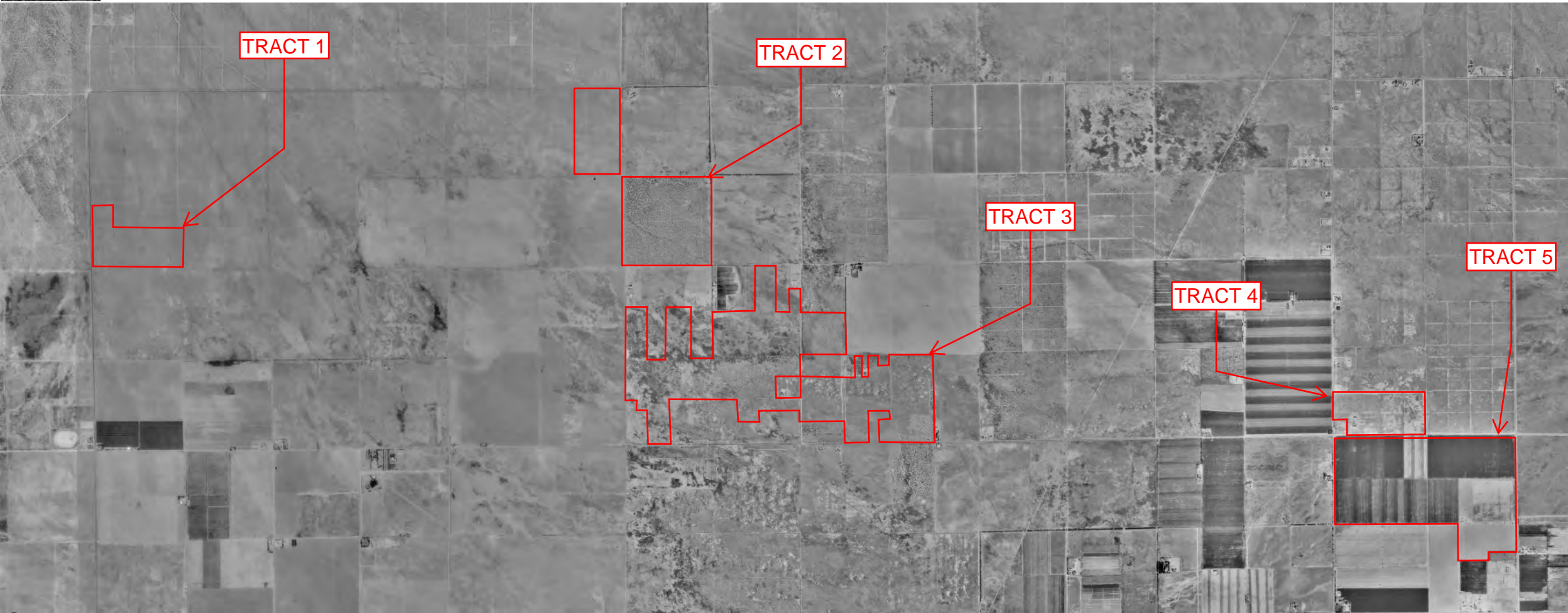
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Tustin, CA 92780

2005 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ
Drawn By:	GRJ
Checked By:	IRN
Approved By:	IRN

Project No.:	60217020
Scale:	1"=2,500'
File Name:	NA
Date:	1994

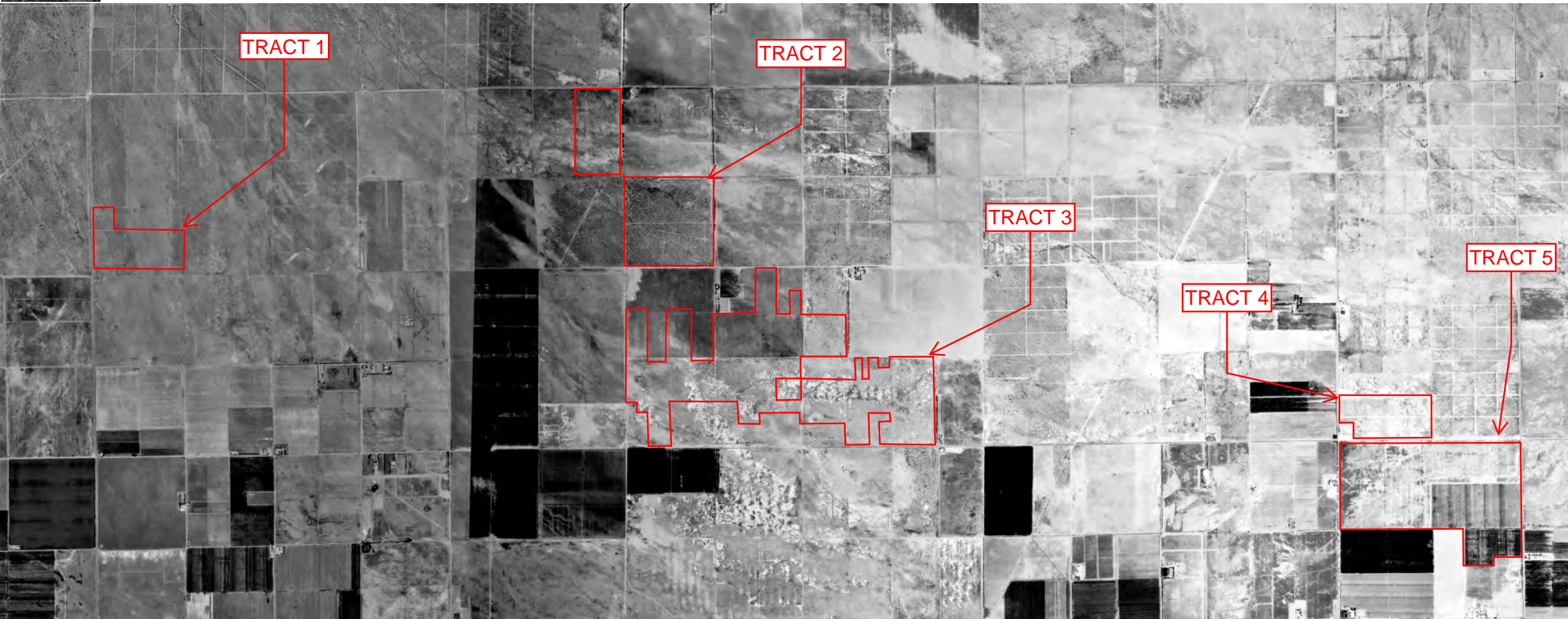


1421 Edinger Avenue, Suite C
Tustin, CA 92780

1994 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix
C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	1987

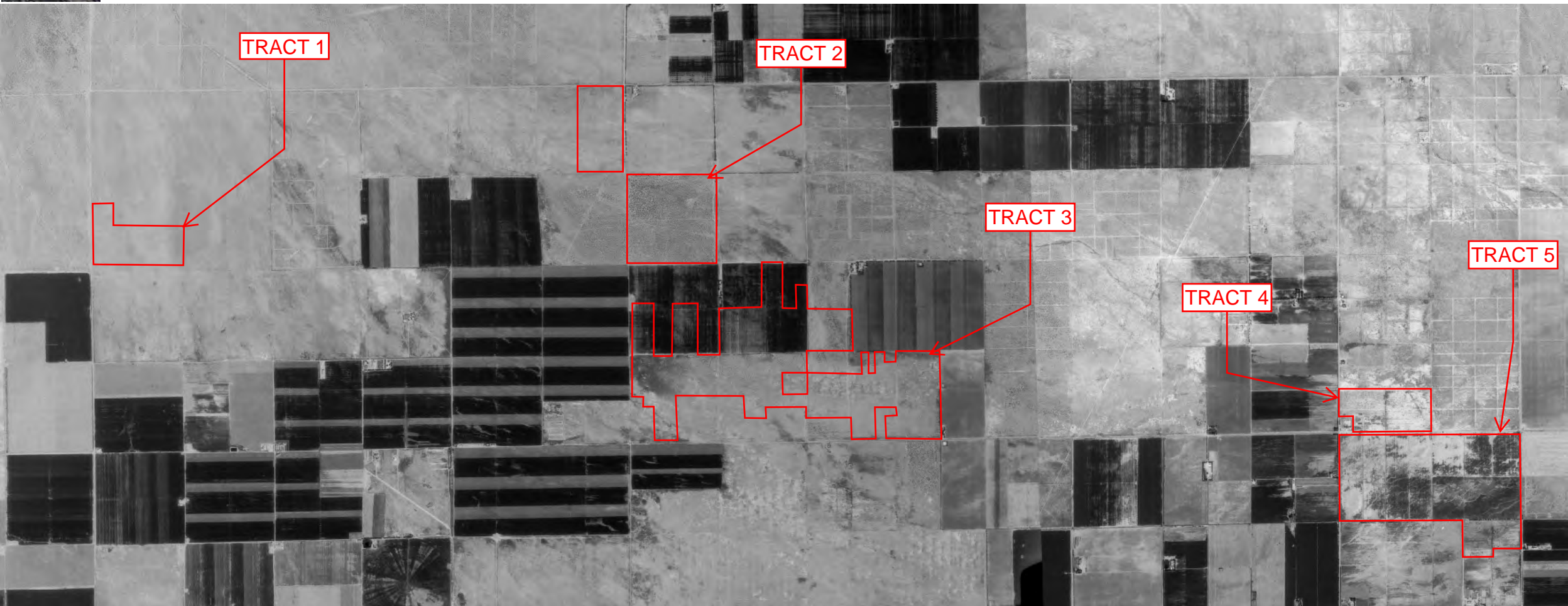
Terracon
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Tustin, CA 92780

1987 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	1978

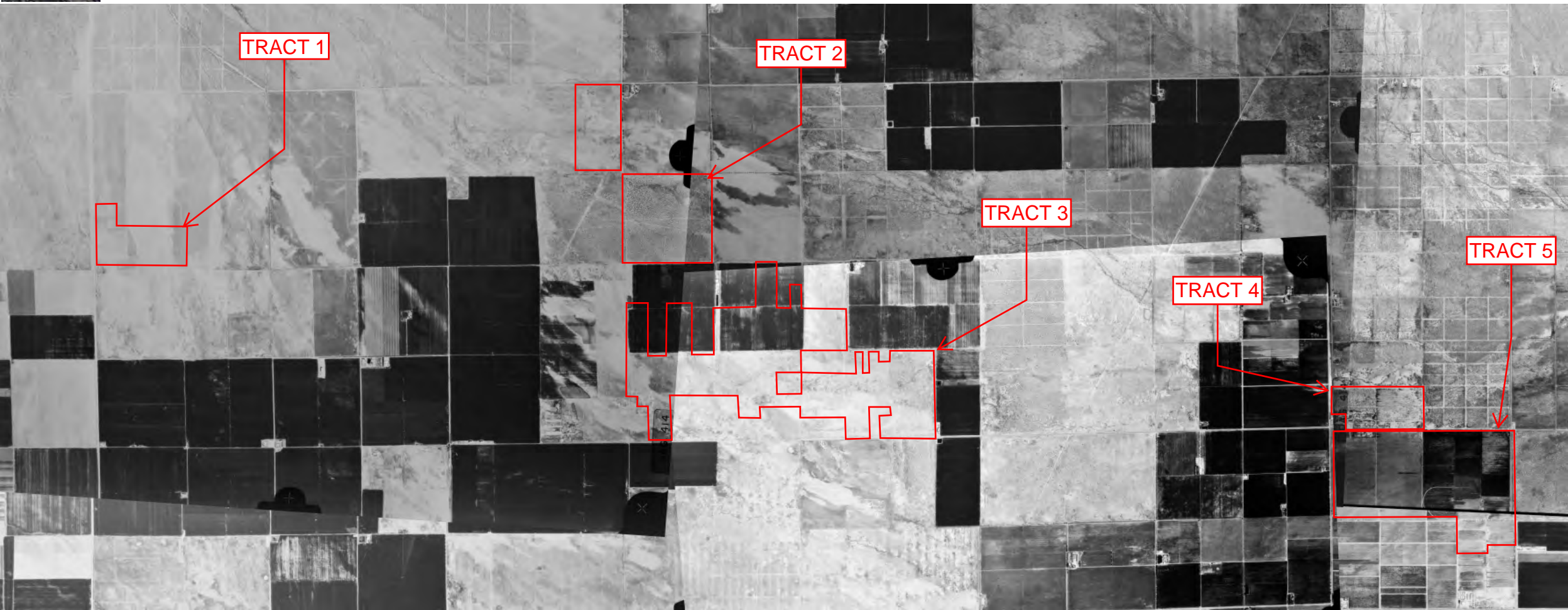
Terracon
1421 Edinger Avenue, Suite C
Tustin, CA 92780

1978 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	1974

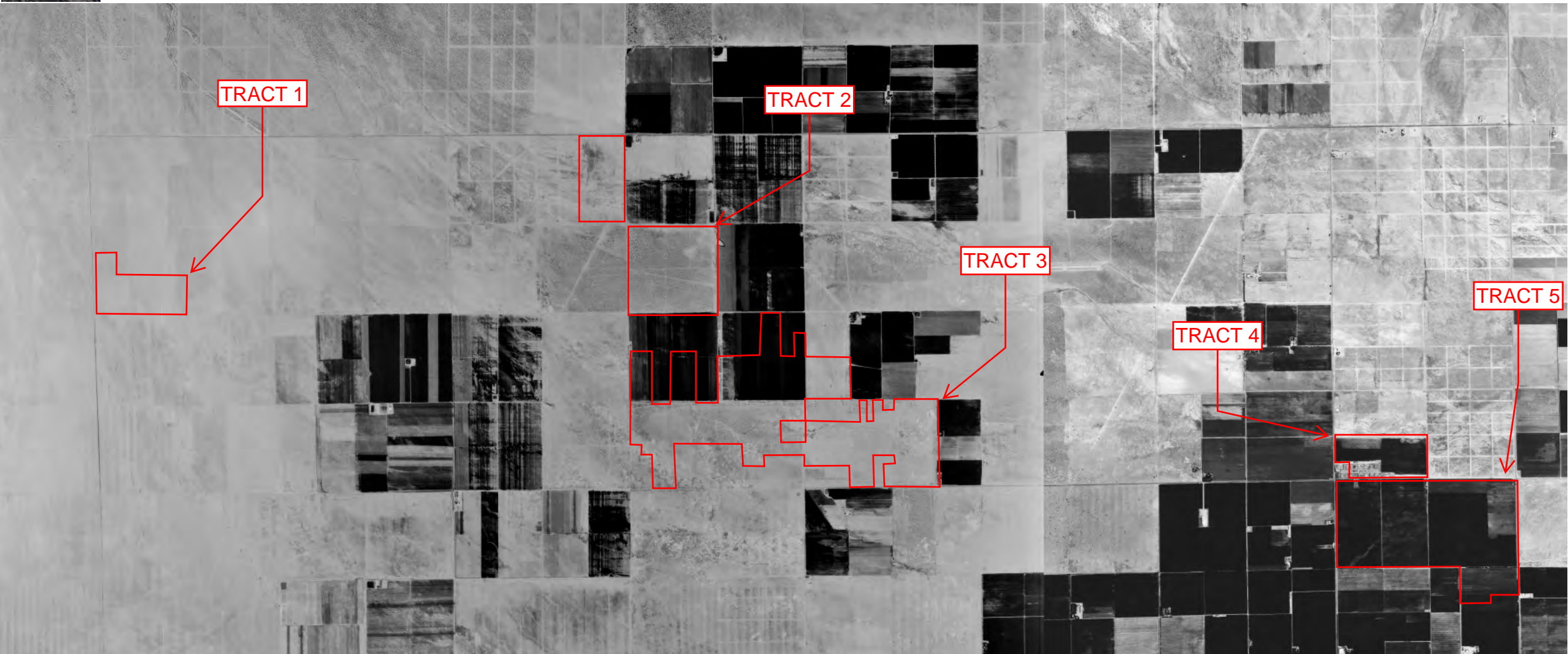
Terracon
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Tustin, CA 92780

1974 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	1963

Terracon
1421 Edinger Avenue, Suite C
Tustin, CA 92780

1963 AERIAL PHOTOGRAPH

ROSAMOND SOUTH SOLAR
ROSAMOND, KERN COUNTY, CALIFORNIA

Appendix

C



Project Manager:	GRJ	Project No.:	60217020
Drawn By:	GRJ	Scale:	1"=2,500'
Checked By:	IRN	File Name:	NA
Approved By:	IRN	Date:	1948



FIRE INSURANCE MAPS

Project Property: Rosamond Boundary
Rosamond Boundary
Lancaster CA

Project No: 0

Requested By: Terracon

Order No: 21020900126

Date Completed: February 09, 2021

Please note that no information was found for your site or adjacent properties.



CITY DIRECTORY

Project Property: *Rosamond Boundary
Rosamond Boundary
Lancaster, CA*

Project No: *0*

Requested By: *Terracon*

Order No: *21020900126*

Date Completed: *February 22, 2021*

Environmental Risk Information Services

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February 22, 2021
RE: CITY DIRECTORY RESEARCH
Rosamond Boundary
Rosamond Boundary Lancaster, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

ALL of Buckhorn Avenue
8400-15000 of Rosamond Blvd
8400-15000 of Holiday Avenue
ALL of Bobtail Lane
8400-17500 of Gaskell Road

Search Results Summary

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2013	DIGITAL BUSINESS DIRECTORY	
2009	DIGITAL BUSINESS DIRECTORY	
2006	HAINES	
2000	HAINES	
1995	HAINES	
1990	HAINES	
1985	HAINES	
1980	HAINES	
1975	HAINES	
1972	HAINES	

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2018

SOURCE: DIGITAL BUSINESS DIRECTORY

BOBTAIL LANE

NO LISTING FOUND FOR THIS YEAR...

2018

SOURCE: DIGITAL BUSINESS DIRECTORY

BUCKHORN AVENUE

NO LISTING FOUND FOR THIS YEAR...

16100 ANTELOPE VALLEY WATER STGE LLC...Storage

NO LISTING FOUND FOR THIS YEAR...

11936 SUN POWER CORP...*Nonclassified Establishments*

NO LISTING FOUND FOR THIS YEAR...

NO LISTING FOUND FOR THIS YEAR...

NO LISTING FOUND FOR THIS YEAR...

12764 DESERT OWL FARM...Farms

9009 CHICO'S MINI MARKET...Grocers-retail

NO LISTING FOUND FOR THIS YEAR...

NO LISTING FOUND FOR THIS YEAR...

NO LISTING FOUND FOR THIS YEAR...

12764 DESERT OWL FARM...General Crop Farm
12764 DESERT OWL FARM...General Crop Farms

2009

SOURCE: DIGITAL BUSINESS DIRECTORY

ROSAMOND BLVD

2006

SOURCE: HAINES

BOBTAIL LANE

NO LISTING FOUND FOR THIS YEAR...

12649 EDMONDS CARA

12715 XXXX

12737 SCHWEBKE D

9081 FASO ANTHONY
13104 GOODE JEFF

. BEERY JOM W
7916 JENKINS GREG
12125 HARTER SCOTT
12882 COFFMAN TONI
12922 SEATON CLAUDIA
14999 DARNELL BYRON
15310 VERGOAN JOM
16071 RYNEAL MARK

7720 KEMBLOWSKI J
12622 PEREZ JOSE
12764 THOMPkins SHEREE

. ACE ENGINEERING INC
. EXOTIC FELINE BRDNG CMPND INC
. SHULT H A
8270 XXXX
8748 LUJAN GEORGE
8847 XXXX
9171 VERA MARIA
9580 DELAROSA R
9650 MORENO MICHAEL
9668 SMILLIE RONALD E
9714 NOEL DUDE
11137 ROULEAU VINCENT
12492 SANCHEZ LORENZO
13956 O WEALAND JACK H
14154 GRIFFETH CHARLES
14154 NEUMANN TONI
14271 CARTER S

12715 MARKLEY PAULA M

STREET NOT LISTED

. DAVIS JACK
7551 NUNNENKAMP ALAN
8445 XXXX
10983 CLEMENTS GEORGE
11985 ALLISON PAUL
12882 COFFMAN LEONARD
15310 XXXX
15374 LAROCCA CHARLES
15392 XXXX
16071 HALEY BRENDA
16071 HALEY JIM
16071 WILLOW SPRINGS FARMING

6727 PRYOR BRIAN
12622 PEREZ TELESFORO
12764 LARUSSI ARMANDO
13464 XXXX
13484 FALVO JAY

2000

SOURCE: HAINES

ROSAMOND BLVD

1995

SOURCE: HAINES

BOBTAIL LANE

STREET NOT LISTED

. EXOTIC FELINE BRONG CMPNO INC
. N & N TRAVELS TOURS
. SHULT H A
. WEALAND JACK H
7805 ABEST FIREWOOD
7805 BARICKMAN LEE
8738 LUJAN GEORGE
8746 XXXX
8748 LUJAN GEORGE
8847 KLECHEFSKI C
9009 XXXX
9017 XXXX
9171 XXXX
9580 DELAROSA R
9668 MIDDLETON DOUGLAS
9714 NOEL DIXIE
11137 ANDERSON CLYDE
12492 DOMINOUEZ JOAQUIN
14271 CARTER S

STREET NOT LISTED

. DAVIS JACK
. RICHARDSON HARRY H
. ROBLES MARIA
7551 LAMOORE DONNA
7551 LAMOORE RICHARD
10983 CLEMENTS GEORGE
15310 LANGON TL
16071 HALEY BRENDA
16071 HALEY JIM
16071 WILLOW SPRNGS FRMNG
17867 ECHKART LYLE R
19069 BIGELOW GEORGE

6577 LOFGREN GARY
6577 LOFGREN KAREN
12622 IARUSSI ARMANDO

. BUTLER WESLEY C
. EXOTIC FELINE BRDNG
. GARCIA MANUELA L
. LOOMIS ROBT
. MEER AI
. OSAGE INDUSTRIES
. SHULT H A
. TARDITO MARIA
. THOMAS BETTY J
. THOMAS JERALD E
. WEALAND JACK H
7805 ABEST FIREWOOD
7805 BARICKMAN LEE
8746 LUJAN GEORGE
8748 LUJAN RAMON
9017 NADINES CUTE CLASSY
9580 DELA R SI
9714 NOEL RL
12492 LORD KIM E
14271 CARTERS

STREET NOT LISTED

STREET NOT LISTED

1990

SOURCE: HAINES

GASKELL ROAD

1990

SOURCE: HAINES

HOLIDAY AVENUE

NO LISTINGS IN RANGE

. BEERY JOHN W
. CORSON JOE
. DAVIS JACK
. DUAZ FELIX
. ECKHART LYLE R
. SANCHEZ MARIA
. TAPIA CHES
. TAPIA E
. TAPIA GEORGE
8459 MONEY A
14410 KNIGHT E

STREET NOT LISTED

. BARTLING CERAMICS
. BAXTER RAYMOND A
. BUTLER KENT
. BUTLER WESLEY C
. COCHRAN LEE
. EXOTIC FELINE BRDG
. GARCIA MANVELA L
. HAMILTON JR HIGH SC
. HARVELL ALSACE
. HARVELL CV
. HOLZER JOHN
. IARUSSI ARMANDO
. JULIAN D D
. LOOMIS ROBT
. LUJAN RAMON
. MEER AI
. NOEL RL
. OLDFIELD KERRY
. OSAGE INDUSTRIES
. OZEMENT HENRY R
. PAUL KATHERINE L
. ROSAMOND SKY PARK
. ROSAMOND YOUTH CNTR
. SHULT HA
. SOUTHRN KERN SC MSC
. SOUTHRN KERN SCHI
. SOUTHRN KRN HS RHS
. TARDITO MARIA
. THOMAS BETTY J
. THOMAS JERALD E
. TORREZ DONATO
. WEALAND JACK H
7805 HILSINGER SANDY
8746 LUJAN GEORGE
11137 J O B LINE CONSTR

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

STREET NOT LISTED

NO LISTINGS IN RANGE

STREET NOT LISTED

NO LISTINGS IN RANGE

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION



DATABASE REPORT

Project Property:	<i>Rosamond Boundary Rosamond Boundary Lancaster CA</i>
Project No:	
Report Type:	<i>Database Report</i>
Order No:	<i>21020900126</i>
Requested by:	<i>Terracon Consultants, Inc.</i>
Date Completed:	<i>February 14, 2021</i>

Environmental Risk Information Services

A division of Glacier Media Inc.

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Executive Summary

Property Information:

Project Property: *Rosamond Boundary
Rosamond Boundary Lancaster CA*

Project No:

Coordinates:

Latitude: *34.84476453*
Longitude: *-118.36173087*
UTM Northing: *3,856,673.65*
UTM Easting: *375,501.48*
UTM Zone: *11S*

Elevation: *2,560 FT*

Order Information:

Order No: *21020900126*
Date Requested: *February 9, 2021*
Requested by: *Terracon Consultants, Inc.*
Report Type: *Database Report*

Historicals/Products:

Aerial Photographs	<i>Historical Aerials Photographs</i>
City Directory Search	<i>CD - 2 Street Search</i>
ERIS Xplorer	<i>ERIS Xplorer</i>
Excel Add-On	<i>Excel Add-On</i>
Fire Insurance Maps	<i>US Fire Insurance Maps</i>
Physical Setting Report (PSR)	<i>Physical Setting Report (PSR)</i>
Topographic Map	<i>Topographic Maps</i>

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<u>Standard Environmental Records</u>								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	2	0	0	0	-	2
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	9	0	0	-	-	9
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	0	0
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	1	0	0	0	-	1
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	3	1	0	-	-	4
AST	Y	0.25	1	1	0	-	-	2
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	2	0	0	-	-	2
LUR	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	1	1	0	-	-	2
HIST TANK	Y	0.25	2	1	0	-	-	3
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
KERN UST	Y	0.25	0	0	0	-	-	0
KERN AST	Y	0.25	3	1	0	-	-	4
KERN CUPA	Y	0.25	17	1	0	-	-	18
BKRSFIELD CUPA	Y	0.25	0	0	0	-	-	0
LA SML	Y	0.5	0	0	0	0	-	0
LA SWF	Y	0.5	0	0	0	0	-	0
LA COUNTY CUPA	Y	0.25	1	0	0	-	-	1
LA HMS	Y	0.25	0	0	0	-	-	0
UST SANTAFESP	Y	0.25	0	0	0	-	-	0
UST LONGB	Y	0.25	0	0	0	-	-	0
BURBANK CUPA	Y	0.25	0	0	0	-	-	0
UST ELSEGUNDO	Y	0.25	0	0	0	-	-	0
UST SANTA MONICA	Y	0.25	0	0	0	-	-	0
SANTAMON AST	Y	0.25	0	0	0	-	-	0
SANTAMON CUPA	Y	0.25	0	0	0	-	-	0
UST TORRANCE	Y	0.25	0	0	0	-	-	0
UST VERNON	Y	0.25	0	0	0	-	-	0
VERNON CUPA	Y	0.25	0	0	0	-	-	0
UST LA CITY	Y	0.25	0	0	0	-	-	0
AST LA CITY	Y	0.25	0	0	0	-	-	0
LA CITY HAZMAT	Y	0.125	0	0	-	-	-	0

Additional Environmental Records

Federal

PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	50	-	-	-	-	50
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0

State

DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	4	-	-	-	-	4
HAZNET	Y	PO	28	1	-	-	-	29
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HIST MANIFEST	Y	PO	3	1	-	-	-	4
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	13	0	-	-	-	13
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
WASTE DISCHG	Y	0.25	1	0	0	-	-	1
EMISSIONS	Y	0.25	6	0	0	-	-	6
CDL	Y	0.125	2	0	-	-	-	2

Tribal

No Tribal additional environmental record sources available for this State.

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
County								
SANTAMON HAZ	Y	0.125	0	0	-	-	-	0
SANTAMON HW	Y	0.125	0	0	-	-	-	0
			<hr/>					
Total:			149	8	0	0	0	157

** PO – Property Only*

** 'Property and adjoining properties' database search radii are set at 0.25 miles.*

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	SKYOTEE RANCH	UNKNOWN ROSAMOND CA 00000	WSW	0.00 / 0.00	-124	41
1	FINDS/FRS	NORTHROP GRUMMAN CORP	W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	WNW	0.00 / 0.00	-124	41
1	CDL		9171 W ROSAMOND BLVD ROSAMOND CA 93560	ENE	0.00 / 0.00	-124	42
1	CDL		15310 GLASKEL RD ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	42
1	KERN CUPA	Pinyon Pines Wind I, LLC	15247 Avenue A 15247 Avenue A Rosamond CA	WSW	0.00 / 0.00	-124	42
1	KERN CUPA	Pinyon Pines Wind II, LLC	15247 Avenue A 15247 Avenue A Rosamond CA	WSW	0.00 / 0.00	-124	42
1	AST	GRIMMWAY - BOZIGIAN YARD	12492 ROSAMOND ROSAMOND CA 93560	NNE	0.00 / 0.00	-124	43
1	LDS	BIO-GRO SYSTEMS-LANCASTER	140TH ST WEST AND AVE A LANCASTER CA 93534	SW	0.00 / 0.00	-124	43
1	FINDS/FRS	M.A. MORTENSON	15637 W AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	44
1	FINDS/FRS	ROSENDIN ELECTRIC INC	15637 W AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	45
1	FINDS/FRS	SOLAR STAR 1	15637 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	46
1	FINDS/FRS	SOLAR STAR 2	11936 ROSAMOND BLVD ROSAMOND CA 93560	NE	0.00 / 0.00	-124	46
1	CHMIRS	Sun Power Corp	15637 Ave A Rosamond CA 93560	WSW	0.00 / 0.00	-124	47

Control No | Notified Date: 14-1597 |

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	CHMIRS	NASA	NASA Dryden Flight Research Center fuel station, Bldg# 4854 on Edwards AFB Rosamond CA 93523 Control No Notified Date: 12-1696	ENE	0.00 / 0.00	-124	48
1	CHMIRS	So. Cal. Edison	110th St. West at Gaskell Road Rosamond CA Control No Notified Date: 11-1385	ESE	0.00 / 0.00	-124	51
1	KERN CUPA	SCE Whirlwind Substation	3493 170th Street West 3493 170th Street West Rosamond CA	WNW	0.00 / 0.00	-124	53
1	KERN CUPA	M.A. Mortenson	15637 W Avenue A 15637 W Avenue A Rosamond CA	WSW	0.00 / 0.00	-124	53
1	KERN CUPA	Kingbird Solar A LLC	501 170th St W 501 170th St W Rosamond CA	WSW	0.00 / 0.00	-124	54
1	KERN CUPA	Solar Star 1	15637 Avenue A 15637 Avenue A Rosamond CA	WSW	0.00 / 0.00	-124	54
1	KERN CUPA	Solar Star 2	11936 Rosamond Blvd Rosamond CA	NE	0.00 / 0.00	-124	54
1	KERN CUPA	Rosendin Electric Inc	15637 W Avenue A 15637 W AVENUE A Rosamond CA	WSW	0.00 / 0.00	-124	55
1	HHSS	LANCASTER RANCHES INC	150TH ST WEST & GASKELL RD ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	55
1	HHSS	RITTER AND GODDE RANCH	90TH STREET WEST & AVENUE A ROSAMOND CA 93560	ESE	0.00 / 0.00	-124	55
1	HHSS	SINGAMANNY CORP	STAR RTE 1 BOX 352 135 W & ROSAMOND BLVD ROSAMOND CA 93560	NNW	0.00 / 0.00	-124	55
1	FINDS/FRS	TAPIA BROS INC. 120TH STREET WEST	120TH STREET WEST ROSAMOND CA 93560	SE	0.00 / 0.00	-124	56
1	FINDS/FRS	CALANDRI/SONRISE FARMS, LP - GASKELL RD.	160TH STREET WEST & GASKELL RD. ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	56
1	FINDS/FRS	CALANDRI/SONRISE FARMS, LP - KIM RANCH	90TH STREET WEST AND GASKELL ROAD	E	0.00 / 0.00	-124	57

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
			ROSAMOND CA 93560				
1	FINDS/FRS	CALANDRI/SONRISE FARMS, LP - LANE RANCH	WEST AVENUE A & 175TH STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	57
1	FINDS/FRS	GIBA FARMS	170TH STREET WEST & HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	-124	58
1	HAZNET	SUNPOWER CORPORATION	1006 170TH ST W ROSAMOND CA 935607000	W	0.00 / 0.00	-124	59
1	HAZNET	PAPICH CONSTRUCTION COMPANY INC	501 170TH ST W ROSAMOND CA 935604500	WSW	0.00 / 0.00	-124	59
1	HAZNET	FANNIE MAE	2929 100TH ST W ROSAMOND CA 93560	ENE	0.00 / 0.00	-124	60
1	HAZNET	SOLAR STAR XIX	510 160TH STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	60
1	HAZNET	SOLAR STAR XX	12492 W ROSAMOND BLVD WILLOW SPGS CA 935607052	NNE	0.00 / 0.00	-124	62
1	HAZNET	SOLAR STAR XIX	415 155TH ST W ROSAMOND CA 935607182	WSW	0.00 / 0.00	-124	62
1	HAZNET	CUPERTINO ELECTRIC, INC.	15637 W AVENUE A ROSAMOND CA 935607567	WSW	0.00 / 0.00	-124	63
1	HAZNET	CAL ORGANIC VEGETABLE COMPANY	12622 HOLIDAY AVE ROSAMOND CA 935600000	NE	0.00 / 0.00	-124	64
1	HAZNET	GRIMMWAY ENTERPRISES INC	12492 W ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	-124	64
1	HAZNET	SUNPOWER CORPORATION	12125 GASKELL RD ROSAMOND CA 93560	SE	0.00 / 0.00	-124	65
1	HAZNET	SJ LEWIS CONSTRUCTION	W 160TH ST & GASKELL RD ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	66

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>1</u>	HAZNET	FANNIE MAE	2929 100TH ST W ROSAMOND CA 935607376	ENE	0.00 / 0.00	-124	<u>66</u>
<u>1</u>	HAZNET	1X WILSON, RAY	10153 LESLIE AVE ROSAMOND CA 935600000	ENE	0.00 / 0.00	-124	<u>66</u>
<u>1</u>	HAZNET	NORTHROP GRUMMAN CORP	W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	WNW	0.00 / 0.00	-124	<u>67</u>
<u>1</u>	HAZNET	SCOTT HARTER	1747 100TH ST W ROSAMOND CA 935607013	E	0.00 / 0.00	-124	<u>87</u>
<u>1</u>	HAZNET	SOLAR STAR XX	13490 HOLIDAY AVE ROSAMOND CA 93560	WNW	0.00 / 0.00	-124	<u>87</u>
<u>1</u>	HAZNET	SOLAR STAR XX	1037 170TH ST W ROSAMOND CA 935607000	W	0.00 / 0.00	-124	<u>88</u>
<u>1</u>	HAZNET	GUS ZEPEDA	71405 90TH ST W LANCASTER CA 93534	ESE	0.00 / 0.00	-124	<u>89</u>
<u>1</u>	HAZNET	MARITORENA FARMS	418 155TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	<u>89</u>
<u>1</u>	HAZNET	1X CHEVRON USA__#STA 2833	20702 ROSAMOND BLVD ROSAMOND CA 935690000	WNW	0.00 / 0.00	-124	<u>90</u>
<u>1</u>	HAZNET	SOUTHERN CALIFORNIA EDISON	170TH ST W & ROSAMOND ROSAMOND CA 93560	WNW	0.00 / 0.00	-124	<u>90</u>
<u>1</u>	HAZNET	1X WILMAR FARMS	1747 100TH STREET WEST ROSAMOND CA 935300000	E	0.00 / 0.00	-124	<u>91</u>
<u>1</u>	HAZNET	SOLAR STAR SOLAR PROJECT MORTENSON CONSTRUCTION	15637 W AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	<u>91</u>
<u>1</u>	HAZNET	WESTERN DEVELOPMENT COMPANY INC	NW CO 155TH ST & GASKELL RD LANCASTER CA 93535	WSW	0.00 / 0.00	-124	<u>95</u>
<u>1</u>	HAZNET	SOLAR STAR XIX	418 155TH ST W ROSAMOND CA 935607182	WSW	0.00 / 0.00	-124	<u>95</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HAZNET	ORANIC CHOICE LTD	12622 HOLIDAY AVE ROSAMOND CA 935600000	NE	0.00 / 0.00	-124	96
1	HIST MANIFEST		20702 ROSAMOND BLVD ROSAMOND CA 935690000	WNW	0.00 / 0.00	-124	96
1	HIST MANIFEST		W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	WNW	0.00 / 0.00	-124	98
1	HIST MANIFEST		1747 100TH STREET WEST ROSAMOND CA 935300000	E	0.00 / 0.00	-124	106
1	FINDS/FRS	BIO-GRO SYSTEMS- LANCASTER	140TH ST WEST AND AVE A LANCASTER CA 93534	SW	0.00 / 0.00	-124	107
1	FINDS/FRS	SOLAR STAR 1 (LOS ANGELES COUNTY SIDE)	14900 WEST AVENUE A LANCASTER CA 93536	ESE	0.00 / 0.00	-124	107
1	FINDS/FRS	KINGBIRD SOLAR	501 170TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	108
1	FINDS/FRS	SOUTHERN CALIFORNIA EDISON WHIRLWIND SUBSTATION	3493 170TH STREET WEST ROSAMOND CA 93560	WNW	0.00 / 0.00	-124	109
1	FINDS/FRS	SOLAR STAR 2	11936 ROSAMOND BLVD ROSAMOND CA 93560	NE	0.00 / 0.00	-124	109
1	FINDS/FRS	SOARING VISTA RANCH COMPOSTING	AVE A 140 ST W. LANCASTER CA 93534	SW	0.00 / 0.00	-124	110
1	KERN CUPA	GRIMMWAY - BOZIGIAN YARD	12492 ROSAMOND BLVD ROSAMOND CA	NNE	0.00 / 0.00	-124	110
1	CHMIRS	Solar Star California	15701 Avenue A Rosamond CA 93560 Control No Notified Date: 16-3206	WSW	0.00 / 0.00	-124	111
1	KERN CUPA	Rosamond Solar Project_Phase 2_	14874 Holiday Ave Rosamond CA	W	0.00 / 0.00	-124	113
1	KERN CUPA	Rosamond Solar Project_Phase 3	14874 Holiday Ave Rosamond CA	W	0.00 / 0.00	-124	114

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	KERN CUPA	Rosamond Solar Project_Phase 1_	14874 Holiday Ave Rosamond CA	W	0.00 / 0.00	-124	114
1	HAZNET	FIRST SOLAR ELECTRIC	501 170TH ST W ROSAMOND CA 935604500	WSW	0.00 / 0.00	-124	114
1	HAZNET	FIRST SOLAR (KINGBIRD SOLAR B CONSTRUCTION)	501 170TH ST W ROSAMOND CA 935604500	WSW	0.00 / 0.00	-124	115
1	CERS HAZ	Solar Star 1 (Los Angeles County side)	14900 WEST AVENUE A LANCASTER CA 93536	ESE	0.00 / 0.00	-124	115
1	CERS HAZ	Kingbird Solar B LLC	501 170TH ST W N ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	117
1	CERS HAZ	Rosamond Solar Project_Phase 1_	14874 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	-124	119
1	CERS HAZ	SCE Whirlwind Substation	3493 170TH STREET WEST ROSAMOND CA 93560	WNW	0.00 / 0.00	-124	121
1	CERS HAZ	Kingbird Solar A LLC	501 170TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	123
1	CERS HAZ	Rosamond Solar Project_Phase 3	14874 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	-124	125
1	CERS HAZ	Solar Star 2	11936 ROSAMOND BLVD ROSAMOND CA 93560	NE	0.00 / 0.00	-124	127
1	CERS HAZ	Solar Star 1	15637 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	129
1	CERS HAZ	Rosamond Solar Project_Phase 2_	14874 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	-124	131
1	HIST TANK	LANCASTER RANCHES INC	150TH ST WEST & GASKELL RD ROSAMOND CA	WSW	0.00 / 0.00	-124	133
1	HIST TANK	RITTER & GODDE RANCH	90TH STREET WEST & AVENUE A ROSAMOND CA	ESE	0.00 / 0.00	-124	133
1	CERS TANK	Rosamond Solar Array Project	13901 W ROSAMOND BLVD ROSAMOND CA 93560	NNW	0.00 / 0.00	-124	133

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
Site ID: 430888							
1	DELISTED CTNK	Willow Springs Solar Array	11100 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	-124	135
1	WASTE DISCHG	SOARING VISTA RANCH COMPOSTING	AVE A 140 ST W. LANCASTER CA	SW	0.00 / 0.00	-124	135
1	KERN AST	SCE Whirlwind Substation	3493 170th Street West 3493 170th Street West Rosamond CA 93560 Facility ID: FA0036530 Billing Status: Inactive, non-billable	WNW	0.00 / 0.00	-124	136
1	FINDS/FRS	CUPERTINO ELECTRIC, INC.	501 170TH ST WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	136
1	FINDS/FRS	WORLD WIND ELECTRICAL SERVICES, INC./WORLD WIND & SOLAR	15637 WEST AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	137
1	CERS HAZ	Pinyon Pines Wind II, LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	137
1	CERS HAZ	Pinyon Pines Wind I, LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	140
1	RCRA NON GEN	SOLAR STAR CALIFORNIA XX LLC	15247 AVENUE A ROSAMOND CA 93560 EPA Handler ID: CAL000435054	WSW	0.00 / 0.00	-124	142
1	RCRA NON GEN	KINGBIRD SOLAR B LLC	501 W 170TH ST NORTH SIDE ROSAMOND CA 93560 EPA Handler ID: CAL000422840	WSW	0.00 / 0.00	-124	143
1	RCRA NON GEN	MARITORENA FARMS	418 155TH ST W ROSAMOND CA 93560 EPA Handler ID: CAL000381036	WSW	0.00 / 0.00	-124	144
1	RCRA NON GEN	KINGBIRD SOLAR A LLC	501 W 170TH ST SOUTH SIDE ROSAMOND CA 93560 EPA Handler ID: CAL000422841	WSW	0.00 / 0.00	-124	145
1	FINDS/FRS	KINGBIRD A SOLAR LLC	501 170TH STREET W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	146
1	FINDS/FRS	KINGBIRD B SOLAR, LLC	301 170TH STREET W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	147
1	FINDS/FRS	GOLDEN FIELDS SOLAR I, LLC	HOLIDAY AVE AND 150TH ST. W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	147

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
1	FINDS/FRS	KINGBIRD SOLAR A LLC	501 W 170TH ST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	148
1	FINDS/FRS	KINGBIRD SOLAR B LLC	501 W 170TH ST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	149
1	FINDS/FRS	MARITORENA FARMS	418 155TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	149
1	FINDS/FRS	NORTH ROSAMOND SOLAR LLC	13901 ROSAMOND BLVD ROSAMOND CA 93560	NW	0.00 / 0.00	-124	150
1	FINDS/FRS	WILLOW SPRING SOLAR 3, LLC	1762 105TH ST. WEST ROSAMOND CA 93560	E	0.00 / 0.00	-124	150
1	FINDS/FRS	WILLOW SPRING SOLAR, LLC	KINGBIRD AVE AND 115TH ST W. ROSAMOND CA 93560	SE	0.00 / 0.00	-124	151
1	FINDS/FRS	SOLAR STAR CALIFORNIA XX LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	152
1	FINDS/FRS	SOLAR STAR CALIFORNIA, XLI, LLC	HOLIDAY AVE AND 150TH ST. W ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	152
1	FINDS/FRS	SOLAR STAR XIX, LLC	AVENUE A AND PATTERSON ROAD ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	153
1	FINDS/FRS	SOLAR STAR XX, LLC	AVENUE A AND ROSAMOND BLVD. ROSAMOND CA 93560	ENE	0.00 / 0.00	-124	153
1	FINDS/FRS	SOUTHERN CALIFORNIA EDISON	3499 170TH STREET ROSAMOND CA 93560	W	0.00 / 0.00	-124	154
1	FINDS/FRS	WILLOW SPRING SOLAR ARRAY	11100 HOLIDAY AVENUE ROSAMOND CA 93560	ESE	0.00 / 0.00	-124	155
1	FINDS/FRS	ROSAMOND SOLAR ARRAY	13901 ROSAMOND BLVD. ROSAMOND CA 93560	N	0.00 / 0.00	-124	155
1	FINDS/FRS	ROSAMOND SOLAR PROJECT-PHASE 2	14874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	-124	156

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>1</u>	FINDS/FRS	ROSAMOND SOLAR PROJECT-PHASE 3	38874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	-124	<u>157</u>
<u>1</u>	FINDS/FRS	KINGBIRD SOLAR A, LLC	KINGBIRD AVE AND 180 STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	<u>157</u>
<u>1</u>	FINDS/FRS	KINGBIRD SOLAR B, LLC	AVENUE A AND 180 STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	-124	<u>158</u>
<u>1</u>	EMISSIONS	ROSAMOND SOLAR PROJECT-PHASE 1	14874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	-124	<u>158</u>
<u>1</u>	EMISSIONS	WILLOW SPRING SOLAR ARRAY	11100 HOLIDAY AVENUE ROSAMOND CA 93560	E	0.00 / 0.00	-124	<u>159</u>
<u>1</u>	EMISSIONS	CATALINA SOLAR, LLC	87411 110TH STREET WEST ROSAMOND CA 93560	SE	0.00 / 0.00	-124	<u>159</u>
<u>1</u>	EMISSIONS	ROSAMOND SOLAR PROJECT-PHASE 2	14874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	-124	<u>160</u>
<u>1</u>	EMISSIONS	ROSAMOND SOLAR ARRAY	13901 ROSAMOND BLVD. ROSAMOND CA 93560	NNW	0.00 / 0.00	-124	<u>160</u>
<u>1</u>	EMISSIONS	SOUTHERN CALIFORNIA EDISON	3499 170TH STREET ROSAMOND CA 93560	WNW	0.00 / 0.00	-124	<u>161</u>
<u>1</u>	KERN CUPA	Kingbird Solar B LLC	501 170th St W N 501 170th St W N Rosamond CA	WSW	0.00 / 0.00	-124	<u>161</u>
<u>1</u>	CERS HAZ	North Rosamond Solar	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	-124	<u>162</u>
<u>1</u>	LA COUNTY CUPA	SOLAR STAR 1 (LOS ANGELES COUNTY SIDE)	14900 W AVENUE A LANCASTER CA 93536	ESE	0.00 / 0.00	-124	<u>163</u>
<u>1</u>	RCRA TSD	DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR	12507 ROSAMOND BLVD ROSAMOND CA 93560 <i>EPA Handler ID: CAL000446395</i>	NNE	0.00 / 0.00	-124	<u>163</u>
<u>1</u>	RCRA TSD	CONTI CORPORATION	12057 ROSAMOND BLVD. ROSAMOND CA 93560	NE	0.00 / 0.00	-124	<u>164</u>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			<i>EPA Handler ID: CAC003009157</i>				
1	RCRA NON GEN	DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	-124	166
			<i>EPA Handler ID: CAL000446395</i>				
1	RCRA NON GEN	CONTI CORPORATION	12057 ROSAMOND BLVD. ROSAMOND CA 93560	NE	0.00 / 0.00	-124	167
			<i>EPA Handler ID: CAC003009157</i>				
1	FINDS/FRS	CONTI CORPORATION	12057 ROSAMOND BLVD. ROSAMOND CA 93560	NE	0.00 / 0.00	-124	168
1	FINDS/FRS	DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	-124	168
1	CERS HAZ	Willow Springs Solar LLC	11150 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	-124	169
1	RCRA NON GEN	WILLOW SPRINGS SOLAR LLC	11150 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	-124	170
			<i>EPA Handler ID: CAL000451011</i>				
1	FINDS/FRS	WILLOW SPRINGS SOLAR LLC	11150 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	-124	171
1	CERS TANK	Rosamond Central Solar	14968 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	-124	172
			<i>Site ID: 565396</i>				
1	KERN CUPA	Rosamond Solar Array Project	13901 W Rosamond Blvd Rosamond CA	NW	0.00 / 0.00	-124	174
1	KERN CUPA	Willow Springs Solar LLC	11150 Holiday Ave Rosamond CA	E	0.00 / 0.00	-124	174
1	KERN CUPA	Rosamond Central Solar	14968 Holiday Ave Rosamond CA	W	0.00 / 0.00	-124	174
1	KERN AST	Rosamond Solar Array Project	13901 W Rosamond Blvd Rosamond CA 93560	NW	0.00 / 0.00	-124	175
			<i>Facility ID: FA0048501</i> <i>Billing Status: Active, billable</i>				
1	KERN AST	Rosamond Central Solar	14968 Holiday Ave Rosamond CA 93560	W	0.00 / 0.00	-124	175
			<i>Facility ID: FA0048582</i> <i>Billing Status: Active, billable</i>				
1	RCRA NON GEN	ROSAMOND CENTRAL SOLAR PROJECT	14874 HOLIDAY AVE. ROSAMOND CA 94804	W	0.00 / 0.00	-124	175

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<i>EPA Handler ID: CAC003068366</i>							
1	FINDS/FRS	WILLOW SPRING SOLAR 3, LLC	CA	E	0.00 / 0.00	-124	176
1	FINDS/FRS	WILLOW SPRING SOLAR, LLC	CA	SE	0.00 / 0.00	-124	177
1	FINDS/FRS	SOLAR STAR 2	CA	ENE	0.00 / 0.00	-124	177
1	FINDS/FRS	NORTH ROSAMOND SOLAR LLC	CA	NW	0.00 / 0.00	-124	178
1	FINDS/FRS	SOLAR STAR CALIFORNIA, XLI, LLC	CA	WSW	0.00 / 0.00	-124	179
1	FINDS/FRS	KINGBIRD A SOLAR LLC	CA	WSW	0.00 / 0.00	-124	179
1	FINDS/FRS	KINGBIRD B SOLAR, LLC	CA	WSW	0.00 / 0.00	-124	180
1	FINDS/FRS	GOLDEN FIELDS SOLAR I, LLC	CA	WSW	0.00 / 0.00	-124	180
1	KERN CUPA	North Rosamond Solar	12507 Rosamond Blvd Rosamond CA	NNE	0.00 / 0.00	-124	181
1	RCRA NON GEN	ROSAMOND CENTRAL SOLAR PROJECT MCCARTHY BUILDING COMPANIES	14968 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	-124	181
<i>EPA Handler ID: CAL000455710</i>							

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	HAZNET	1X TAPIA BRO/INI FARMS	GASKELL RD /85TH STREET ROSEMOND CA 935600000	E	0.01 / 42.27	-134	182
2	HIST MANIFEST		GASKELL RD /85TH STREET ROSEMOND CA 935600000	E	0.01 / 42.27	-134	183
3	HHSS	TAPIA BROS INC	85TH ST & GASKELL ROSAMOND CA 91406	E	0.01 / 47.98	-134	183
3	HIST TANK	TAPIA BROS. INC.	85TH ST & GASKELL ROSAMOND CA	E	0.01 / 47.98	-134	184
4	AST	TAPIA BROS INC	8425 AVE A ROSAMOND CA 93560	ESE	0.09 / 455.36	-136	184
4	KERN CUPA	TAPIA BROS INC	8425 AVE A 8425 AVE A ROSAMOND CA	ESE	0.09 / 455.36	-136	184
4	KERN AST	TAPIA BROS INC	8425 AVE A 8425 AVE A ROSAMOND CA 93560 Facility ID: FA0001164 Billing Status: Active, billable, Inactive, non-billable	ESE	0.09 / 455.36	-136	184
4	DELISTED CTNK	TAPIA BROS INC	8425 AVE A ROSAMOND CA 93560	ESE	0.09 / 455.36	-136	185

Executive Summary: Summary by Data Source

Standard

Federal

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Oct 19, 2020 has found that there are 2 RCRA TSD site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	1
<i>EPA Handler ID: CAL000446395</i>				
CONTI CORPORATION	12057 ROSAMOND BLVD. ROSAMOND CA 93560	NE	0.00 / 0.00	1
<i>EPA Handler ID: CAC003009157</i>				

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 19, 2020 has found that there are 9 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WILLOW SPRINGS SOLAR LLC	11150 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	1
<i>EPA Handler ID: CAL000451011</i>				
ROSAMOND CENTRAL SOLAR PROJECT	14874 HOLIDAY AVE. ROSAMOND CA 94804	W	0.00 / 0.00	1
<i>EPA Handler ID: CAC003068366</i>				
ROSAMOND CENTRAL SOLAR PROJECT MCCARTHY BUILDING COMPANIES	14968 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	1
<i>EPA Handler ID: CAL000455710</i>				
SOLAR STAR CALIFORNIA XX LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
<i>EPA Handler ID: CAL000435054</i>				
KINGBIRD SOLAR B LLC	501 W 170TH ST NORTH SIDE ROSAMOND CA 93560	WSW	0.00 / 0.00	1
<i>EPA Handler ID: CAL000422840</i>				
MARITORENA FARMS	418 155TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
<i>EPA Handler ID: CAL000381036</i>				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
KINGBIRD SOLAR A LLC	501 W 170TH ST SOUTH SIDE ROSAMOND CA 93560	WSW	0.00 / 0.00	1
	<i>EPA Handler ID: CAL000422841</i>			
DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	1
	<i>EPA Handler ID: CAL000446395</i>			
CONTI CORPORATION	12057 ROSAMOND BLVD. ROSAMOND CA 93560	NE	0.00 / 0.00	1
	<i>EPA Handler ID: CAC003009157</i>			

State

LDS - Land Disposal Sites

A search of the LDS database, dated Nov 16, 2020 has found that there are 1 LDS site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BIO-GRO SYSTEMS- LANCASTER	140TH ST WEST AND AVE A LANCASTER CA 93534	SW	0.00 / 0.00	1

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 4 HHSS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SINGAMANNY CORP	STAR RTE 1 BOX 352 135 W & ROSAMOND BLVD ROSAMOND CA 93560	NNW	0.00 / 0.00	1
RITTER AND GODDE RANCH	90TH STREET WEST & AVENUE A ROSAMOND CA 93560	ESE	0.00 / 0.00	1
LANCASTER RANCHES INC	150TH ST WEST & GASKELL RD ROSAMOND CA 93560	WSW	0.00 / 0.00	1
TAPIA BROS INC	85TH ST & GASKELL ROSAMOND CA 91406	E	0.01 / 47.98	3

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 2 AST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
GRIMMWAY - BOZIGIAN YARD	12492 ROSAMOND ROSAMOND CA 93560	NNE	0.00 / 0.00	1
TAPIA BROS INC	8425 AVE A ROSAMOND CA 93560	ESE	0.09 / 455.36	4

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Oct 26, 2020 has found that there are 2 CERS TANK site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Rosamond Solar Array Project	13901 W ROSAMOND BLVD ROSAMOND CA 93560 <i>Site ID: 430888</i>	NNW	0.00 / 0.00	1
Rosamond Central Solar	14968 HOLIDAY AVE ROSAMOND CA 93560 <i>Site ID: 565396</i>	W	0.00 / 0.00	1

DELISTED CTNK - Delisted California Environmental Reporting System (CERS) Tanks

A search of the DELISTED CTNK database, dated Oct 26, 2020 has found that there are 2 DELISTED CTNK site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Willow Springs Solar Array	11100 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	1
TAPIA BROS INC	8425 AVE A ROSAMOND CA 93560	ESE	0.09 / 455.36	4

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 3 HIST TANK site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RITTER & GODDE RANCH	90TH STREET WEST & AVENUE A ROSAMOND CA	ESE	0.00 / 0.00	1
LANCASTER RANCHES INC	150TH ST WEST & GASKELL RD ROSAMOND CA	WSW	0.00 / 0.00	1
TAPIA BROS. INC.	85TH ST & GASKELL ROSAMOND CA	E	0.01 / 47.98	3

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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County

KERN AST - Kern County - AST List

A search of the KERN AST database, dated Jan 29, 2021 has found that there are 4 KERN AST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Rosamond Central Solar	14968 Holiday Ave Rosamond CA 93560 <i>Facility ID: FA0048582</i> <i>Billing Status: Active, billable</i>	W	0.00 / 0.00	<u>1</u>
Rosamond Solar Array Project	13901 W Rosamond Blvd Rosamond CA 93560 <i>Facility ID: FA0048501</i> <i>Billing Status: Active, billable</i>	NW	0.00 / 0.00	<u>1</u>
SCE Whirlwind Substation	3493 170th Street West 3493 170th Street West Rosamond CA 93560 <i>Facility ID: FA0036530</i> <i>Billing Status: Inactive, non-billable</i>	WNW	0.00 / 0.00	<u>1</u>
TAPIA BROS INC	8425 AVE A 8425 AVE A ROSAMOND CA 93560 <i>Facility ID: FA0001164</i> <i>Billing Status: Active, billable, Inactive, non-billable</i>	ESE	0.09 / 455.36	<u>4</u>

KERN CUPA - Kern County - CUPA List

A search of the KERN CUPA database, dated Jan 29, 2021 has found that there are 18 KERN CUPA site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Rosamond Central Solar	14968 Holiday Ave Rosamond CA	W	0.00 / 0.00	<u>1</u>
GRIMMWAY - BOZIGIAN YARD	12492 ROSAMOND BLVD ROSAMOND CA	NNE	0.00 / 0.00	<u>1</u>
Rosendin Electric Inc	15637 W Avenue A 15637 W AVENUE A Rosamond CA	WSW	0.00 / 0.00	<u>1</u>
Solar Star 2	11936 Rosamond Blvd Rosamond CA	NE	0.00 / 0.00	<u>1</u>
Kingbird Solar B LLC	501 170th St W N 501 170th St W N Rosamond CA	WSW	0.00 / 0.00	<u>1</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Rosamond Solar Project_Phase 2_	14874 Holiday Ave Rosamond CA	W	0.00 / 0.00	<u>1</u>
Solar Star 1	15637 Avenue A 15637 Avenue A Rosamond CA	WSW	0.00 / 0.00	<u>1</u>
Kingbird Solar A LLC	501 170th St W 501 170th St W Rosamond CA	WSW	0.00 / 0.00	<u>1</u>
M.A. Mortenson	15637 W Avenue A 15637 W Avenue A Rosamond CA	WSW	0.00 / 0.00	<u>1</u>
SCE Whirlwind Substation	3493 170th Street West 3493 170th Street West Rosamond CA	WNW	0.00 / 0.00	<u>1</u>
Pinyon Pines Wind II, LLC	15247 Avenue A 15247 Avenue A Rosamond CA	WSW	0.00 / 0.00	<u>1</u>
Pinyon Pines Wind I, LLC	15247 Avenue A 15247 Avenue A Rosamond CA	WSW	0.00 / 0.00	<u>1</u>
Rosamond Solar Array Project	13901 W Rosamond Blvd Rosamond CA	NW	0.00 / 0.00	<u>1</u>
Willow Springs Solar LLC	11150 Holiday Ave Rosamond CA	E	0.00 / 0.00	<u>1</u>
Rosamond Solar Project_Phase 3	14874 Holiday Ave Rosamond CA	W	0.00 / 0.00	<u>1</u>
Rosamond Solar Project_Phase 1_	14874 Holiday Ave Rosamond CA	W	0.00 / 0.00	<u>1</u>
North Rosamond Solar	12507 Rosamond Blvd Rosamond CA	NNE	0.00 / 0.00	<u>1</u>
TAPIA BROS INC	8425 AVE A 8425 AVE A ROSAMOND CA	ESE	0.09 / 455.36	<u>4</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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LA COUNTY CUPA - Los Angeles County - CUPA Program Records

A search of the LA COUNTY CUPA database, dated Mar 25, 2020 has found that there are 1 LA COUNTY CUPA site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOLAR STAR 1 (LOS ANGELES COUNTY SIDE)	14900 W AVENUE A LANCASTER CA 93536	ESE	0.00 / 0.00	1

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 50 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SKYOTEE RANCH	UNKNOWN ROSAMOND CA 00000	WSW	0.00 / 0.00	1
NORTHROP GRUMMAN CORP	W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	WNW	0.00 / 0.00	1
M.A. MORTENSON	15637 W AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
ROSENDIN ELECTRIC INC	15637 W AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SOLAR STAR 1	15637 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SOLAR STAR 2	11936 ROSAMOND BLVD ROSAMOND CA 93560	NE	0.00 / 0.00	1
TAPIA BROS INC. 120TH STREET WEST	120TH STREET WEST ROSAMOND CA 93560	SE	0.00 / 0.00	1
CALANDRI/SONRISE FARMS, LP - GASKELL RD.	160TH STREET WEST & GASKELL RD. ROSAMOND CA 93560	WSW	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CALANDRI/SONRISE FARMS, LP - KIM RANCH	90TH STREET WEST AND GASKELL ROAD ROSAMOND CA 93560	E	0.00 / 0.00	1
CALANDRI/SONRISE FARMS, LP - LANE RANCH	WEST AVENUE A & 175TH STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
GIBA FARMS	170TH STREET WEST & HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	1
BIO-GRO SYSTEMS- LANCASTER	140TH ST WEST AND AVE A LANCASTER CA 93534	SW	0.00 / 0.00	1
SOLAR STAR 1 (LOS ANGELES COUNTY SIDE)	14900 WEST AVENUE A LANCASTER CA 93536	ESE	0.00 / 0.00	1
KINGBIRD SOLAR	501 170TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SOUTHERN CALIFORNIA EDISON WHIRLWIND SUBSTATION	3493 170TH STREET WEST ROSAMOND CA 93560	WNW	0.00 / 0.00	1
SOLAR STAR 2	11936 ROSAMOND BLVD ROSAMOND CA 93560	NE	0.00 / 0.00	1
SOARING VISTA RANCH COMPOSTING	AVE A 140 ST W. LANCASTER CA 93534	SW	0.00 / 0.00	1
NORTH ROSAMOND SOLAR LLC	CA	NW	0.00 / 0.00	1
SOLAR STAR CALIFORNIA, XLI, LLC	CA	WSW	0.00 / 0.00	1
KINGBIRD A SOLAR LLC	CA	WSW	0.00 / 0.00	1
KINGBIRD B SOLAR, LLC	CA	WSW	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
GOLDEN FIELDS SOLAR I, LLC	CA	WSW	0.00 / 0.00	1
CUPERTINO ELECTRIC, INC.	501 170TH ST WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
WORLD WIND ELECTRICAL SERVICES, INC./WORLD WIND & SOLAR	15637 WEST AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
KINGBIRD A SOLAR LLC	501 170TH STREET W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
KINGBIRD B SOLAR, LLC	301 170TH STREET W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
GOLDEN FIELDS SOLAR I, LLC	HOLIDAY AVE AND 150TH ST. W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
KINGBIRD SOLAR A LLC	501 W 170TH ST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
KINGBIRD SOLAR B LLC	501 W 170TH ST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
MARITORENA FARMS	418 155TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
NORTH ROSAMOND SOLAR LLC	13901 ROSAMOND BLVD ROSAMOND CA 93560	NW	0.00 / 0.00	1
WILLOW SPRING SOLAR 3, LLC	1762 105TH ST. WEST ROSAMOND CA 93560	E	0.00 / 0.00	1
WILLOW SPRING SOLAR, LLC	KINGBIRD AVE AND 115TH ST W. ROSAMOND CA 93560	SE	0.00 / 0.00	1
SOLAR STAR CALIFORNIA XX LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOLAR STAR CALIFORNIA, XLI, LLC	HOLIDAY AVE AND 150TH ST. W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SOLAR STAR XIX, LLC	AVENUE A AND PATTERSON ROAD ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SOLAR STAR XX, LLC	AVENUE A AND ROSAMOND BLVD. ROSAMOND CA 93560	ENE	0.00 / 0.00	1
SOUTHERN CALIFORNIA EDISON	3499 170TH STREET ROSAMOND CA 93560	W	0.00 / 0.00	1
WILLOW SPRING SOLAR ARRAY	11100 HOLIDAY AVENUE ROSAMOND CA 93560	ESE	0.00 / 0.00	1
ROSAMOND SOLAR ARRAY	13901 ROSAMOND BLVD. ROSAMOND CA 93560	N	0.00 / 0.00	1
ROSAMOND SOLAR PROJECT-PHASE 2	14874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	1
ROSAMOND SOLAR PROJECT-PHASE 3	38874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	1
KINGBIRD SOLAR A, LLC	KINGBIRD AVE AND 180 STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
KINGBIRD SOLAR B, LLC	AVENUE A AND 180 STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
CONTI CORPORATION	12057 ROSAMOND BLVD. ROSAMOND CA 93560	NE	0.00 / 0.00	1
DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	1
WILLOW SPRINGS SOLAR LLC	11150 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WILLOW SPRING SOLAR 3, LLC	CA	E	0.00 / 0.00	1
WILLOW SPRING SOLAR, LLC	CA	SE	0.00 / 0.00	1
SOLAR STAR 2	CA	ENE	0.00 / 0.00	1

State

CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Oct 12, 2020 has found that there are 4 CHMIRS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Solar Star California	15701 Avenue A Rosamond CA 93560	WSW	0.00 / 0.00	1
	Control No Notified Date: 16-3206			
So. Cal. Edison	110th St. West at Gaskell Road Rosamond CA	ESE	0.00 / 0.00	1
	Control No Notified Date: 11-1385			
Sun Power Corp	15637 Ave A Rosamond CA 93560	WSW	0.00 / 0.00	1
	Control No Notified Date: 14-1597			
NASA	NASA Dryden Flight Research Center fuel station, Bldg# 4854 on Edwards AFB Rosamond CA 93523	ENE	0.00 / 0.00	1
	Control No Notified Date: 12-1696			

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 29 HAZNET site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOLAR STAR XIX	510 160TH STREET WEST ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SOLAR STAR XX	12492 W ROSAMOND BLVD WILLOW SPGS CA 935607052	NNE	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOLAR STAR XIX	415 155TH ST W ROSAMOND CA 935607182	WSW	0.00 / 0.00	1
CUPERTINO ELECTRIC, INC.	15637 W AVENUE A ROSAMOND CA 935607567	WSW	0.00 / 0.00	1
CAL ORGANIC VEGETABLE COMPANY	12622 HOLIDAY AVE ROSAMOND CA 935600000	NE	0.00 / 0.00	1
GRIMMWAY ENTERPRISES INC	12492 W ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	1
SUNPOWER CORPORATION	12125 GASKELL RD ROSAMOND CA 93560	SE	0.00 / 0.00	1
SJ LEWIS CONSTRUCTION	W 160TH ST & GASKELL RD ROSAMOND CA 93560	WSW	0.00 / 0.00	1
FANNIE MAE	2929 100TH ST W ROSAMOND CA 935607376	ENE	0.00 / 0.00	1
1X WILSON, RAY	10153 LESLIE AVE ROSAMOND CA 935600000	ENE	0.00 / 0.00	1
NORTHROP GRUMMAN CORP	W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	WNW	0.00 / 0.00	1
SCOTT HARTER	1747 100TH ST W ROSAMOND CA 935607013	E	0.00 / 0.00	1
SOLAR STAR XX	13490 HOLIDAY AVE ROSAMOND CA 93560	WNW	0.00 / 0.00	1
SOLAR STAR XX	1037 170TH ST W ROSAMOND CA 935607000	W	0.00 / 0.00	1
GUS ZEPEDA	71405 90TH ST W LANCASTER CA 93534	ESE	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MARITORENA FARMS	418 155TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
1X CHEVRON USA__#STA 2833	20702 ROSAMOND BLVD ROSAMOND CA 935690000	WNW	0.00 / 0.00	1
SOUTHERN CALIFORNIA EDISON	170TH ST W & ROSAMOND ROSAMOND CA 93560	WNW	0.00 / 0.00	1
1X WILMAR FARMS	1747 100TH STREET WEST ROSAMOND CA 935300000	E	0.00 / 0.00	1
SOLAR STAR SOLAR PROJECT MORTENSON CONSTRUCTION	15637 W AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
WESTERN DEVELOPMENT COMPANY INC	NW CO 155TH ST & GASKELL RD LANCASTER CA 93535	WSW	0.00 / 0.00	1
SOLAR STAR XIX	418 155TH ST W ROSAMOND CA 935607182	WSW	0.00 / 0.00	1
ORANIC CHOICE LTD	12622 HOLIDAY AVE ROSAMOND CA 935600000	NE	0.00 / 0.00	1
FANNIE MAE	2929 100TH ST W ROSAMOND CA 93560	ENE	0.00 / 0.00	1
FIRST SOLAR (KINGBIRD SOLAR B CONSTRUCTION)	501 170TH ST W ROSAMOND CA 935604500	WSW	0.00 / 0.00	1
PAPICH CONSTRUCTION COMPANY INC	501 170TH ST W ROSAMOND CA 935604500	WSW	0.00 / 0.00	1
SUNPOWER CORPORATION	1006 170TH ST W ROSAMOND CA 935607000	W	0.00 / 0.00	1
FIRST SOLAR ELECTRIC	501 170TH ST W ROSAMOND CA 935604500	WSW	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
1X TAPIA BRO/INI FARMS	GASKELL RD /85TH STREET ROSEMOND CA 935600000	E	0.01 / 42.27	2

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 4 HIST MANIFEST site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	1747 100TH STREET WEST ROSAMOND CA 935300000	E	0.00 / 0.00	1
	W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	WNW	0.00 / 0.00	1
	20702 ROSAMOND BLVD ROSAMOND CA 935690000	WNW	0.00 / 0.00	1
	GASKELL RD /85TH STREET ROSEMOND CA 935600000	E	0.01 / 42.27	2

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Oct 26, 2020 has found that there are 13 CERS HAZ site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Solar Star 2	11936 ROSAMOND BLVD ROSAMOND CA 93560	NE	0.00 / 0.00	1
Rosamond Solar Project_Phase 3	14874 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	1
Kingbird Solar A LLC	501 170TH ST W ROSAMOND CA 93560	WSW	0.00 / 0.00	1
SCE Whirlwind Substation	3493 170TH STREET WEST ROSAMOND CA 93560	WNW	0.00 / 0.00	1
Rosamond Solar Project_Phase 1_	14874 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Kingbird Solar B LLC	501 170TH ST W N ROSAMOND CA 93560	WSW	0.00 / 0.00	1
Solar Star 1 (Los Angeles County side)	14900 WEST AVENUE A LANCASTER CA 93536	ESE	0.00 / 0.00	1
North Rosamond Solar	12507 ROSAMOND BLVD ROSAMOND CA 93560	NNE	0.00 / 0.00	1
Willow Springs Solar LLC	11150 HOLIDAY AVE ROSAMOND CA 93560	E	0.00 / 0.00	1
Pinyon Pines Wind I, LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
Pinyon Pines Wind II, LLC	15247 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1
Rosamond Solar Project_Phase 2_	14874 HOLIDAY AVE ROSAMOND CA 93560	W	0.00 / 0.00	1
Solar Star 1	15637 AVENUE A ROSAMOND CA 93560	WSW	0.00 / 0.00	1

WASTE DISCHG - Waste Discharge Requirements

A search of the WASTE DISCHG database, dated Nov 16, 2020 has found that there are 1 WASTE DISCHG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SOARING VISTA RANCH COMPOSTING	AVE A 140 ST W. LANCASTER CA	SW	0.00 / 0.00	1

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2018 has found that there are 6 EMISSIONS site(s) within approximately 0.25 miles of the project property.

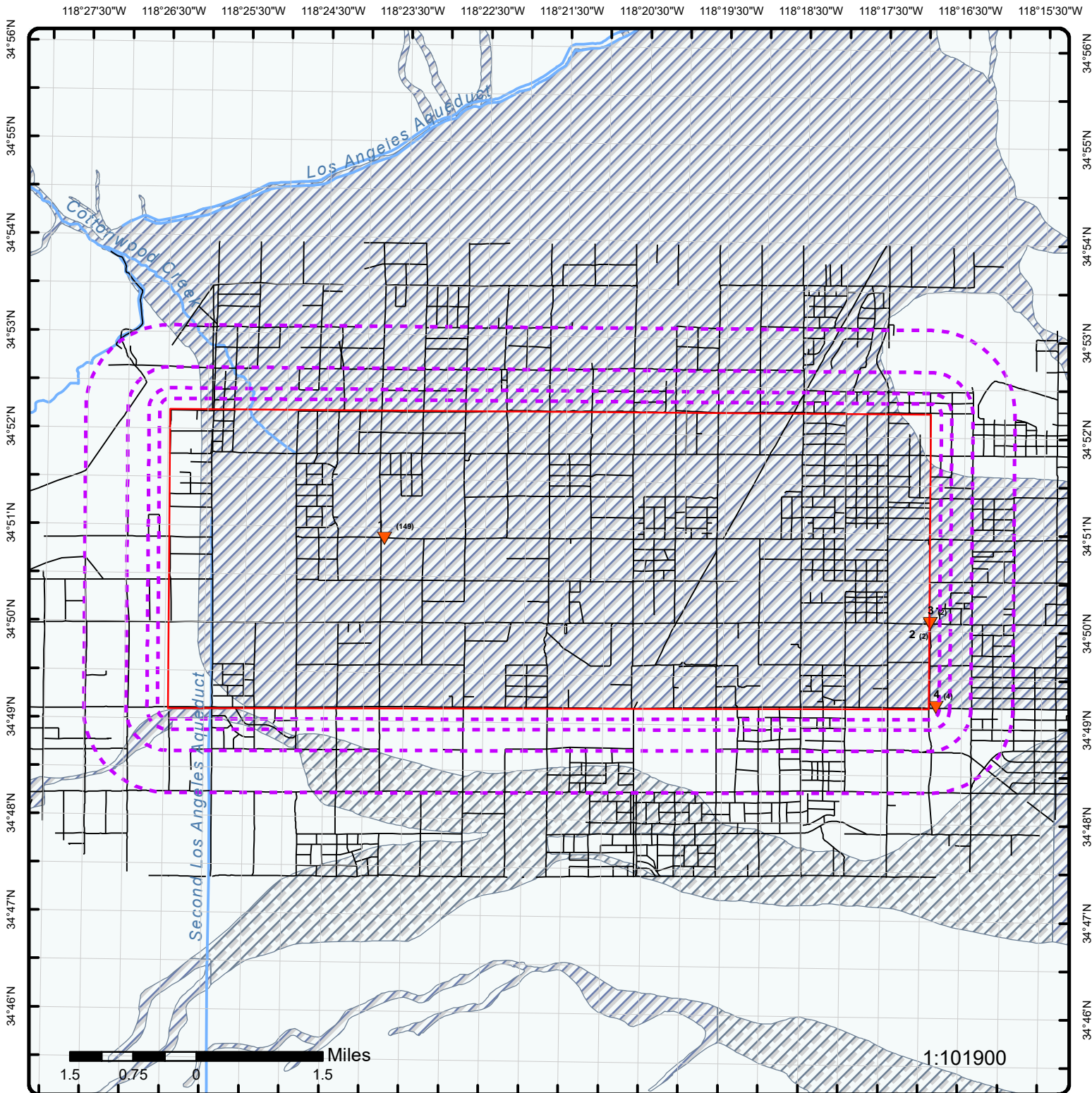
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ROSAMOND SOLAR PROJECT-PHASE 1	14874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	1

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WILLOW SPRING SOLAR ARRAY	11100 HOLIDAY AVENUE ROSAMOND CA 93560	E	0.00 / 0.00	1
ROSAMOND SOLAR ARRAY	13901 ROSAMOND BLVD. ROSAMOND CA 93560	NNW	0.00 / 0.00	1
ROSAMOND SOLAR PROJECT-PHASE 2	14874 HOLIDAY AVENUE ROSAMOND CA 93560	W	0.00 / 0.00	1
CATALINA SOLAR, LLC	87411 110TH STREET WEST ROSAMOND CA 93560	SE	0.00 / 0.00	1
SOUTHERN CALIFORNIA EDISON	3499 170TH STREET ROSAMOND CA 93560	WNW	0.00 / 0.00	1

CDL - Clandestine Drug Lab Sites

A search of the CDL database, dated Jun 30, 2018 has found that there are 2 CDL site(s) within approximately 0.12 miles of the project property.

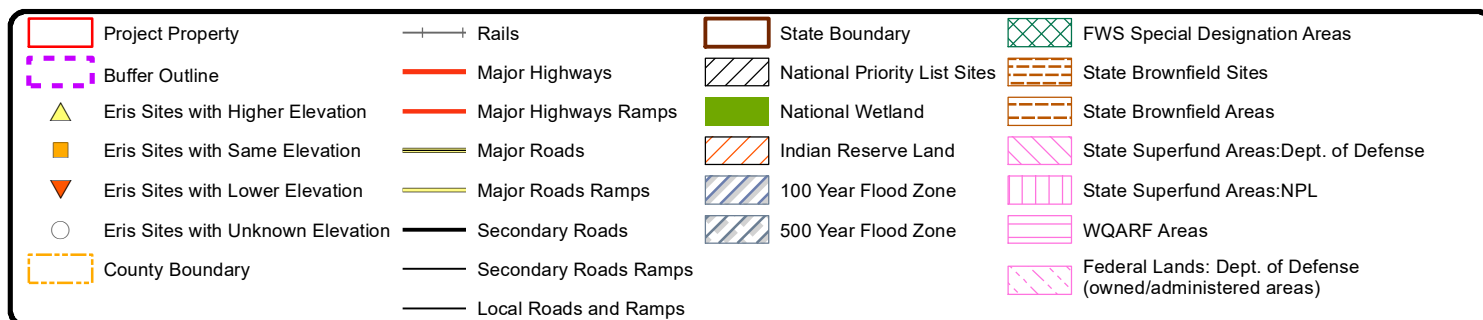
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	15310 GLASKEL RD ROSAMOND CA 93560	WSW	0.00 / 0.00	1
	9171 W ROSAMOND BLVD ROSAMOND CA 93560	ENE	0.00 / 0.00	1

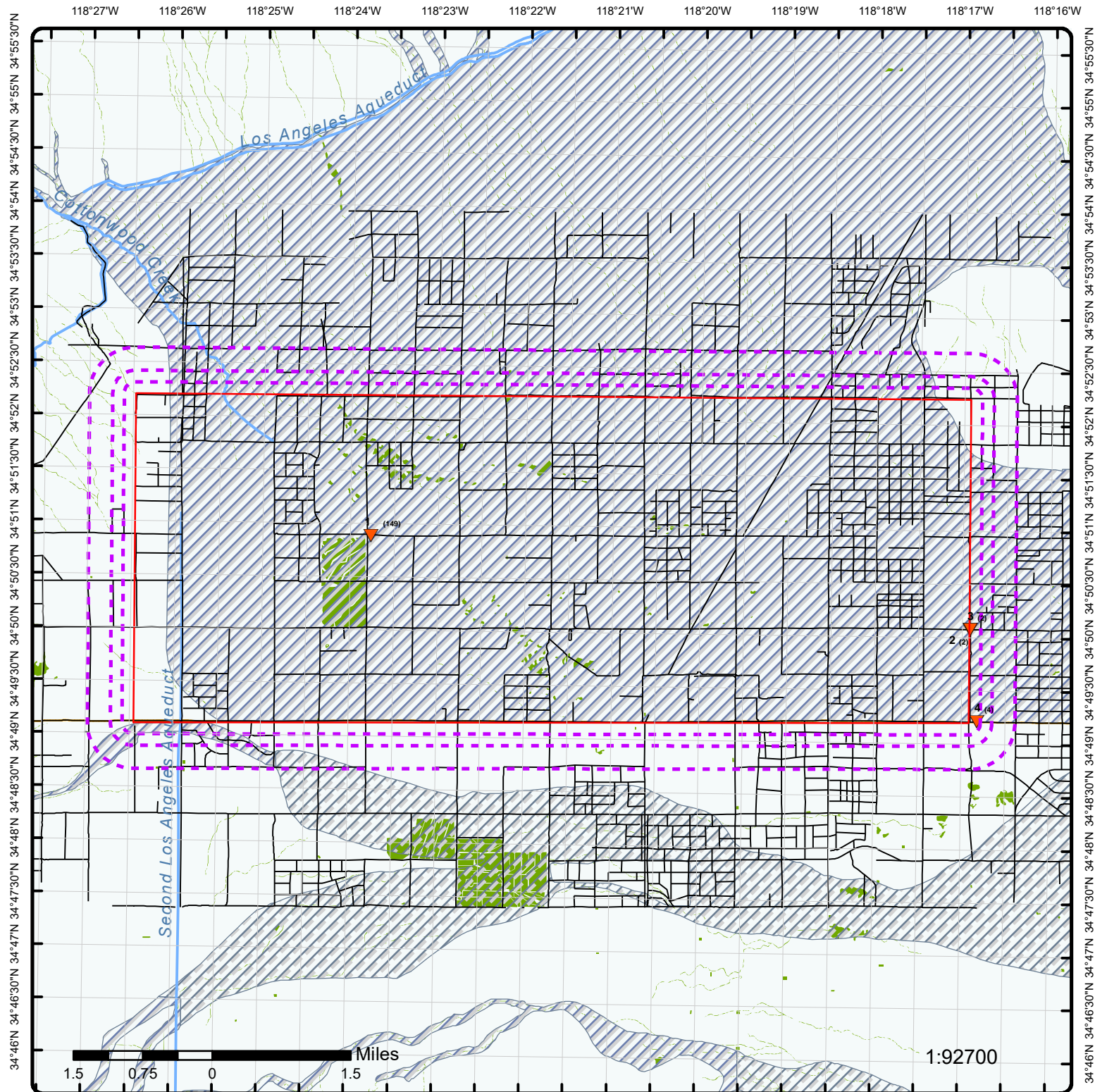


Map : 1.0 Mile Radius

Order Number: 21020900126

Address: Rosamond Boundary, Lancaster, CA

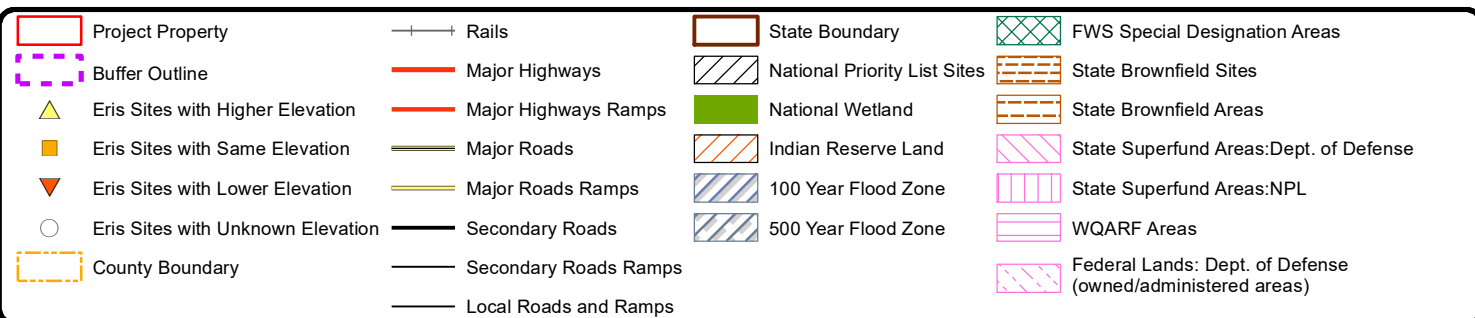


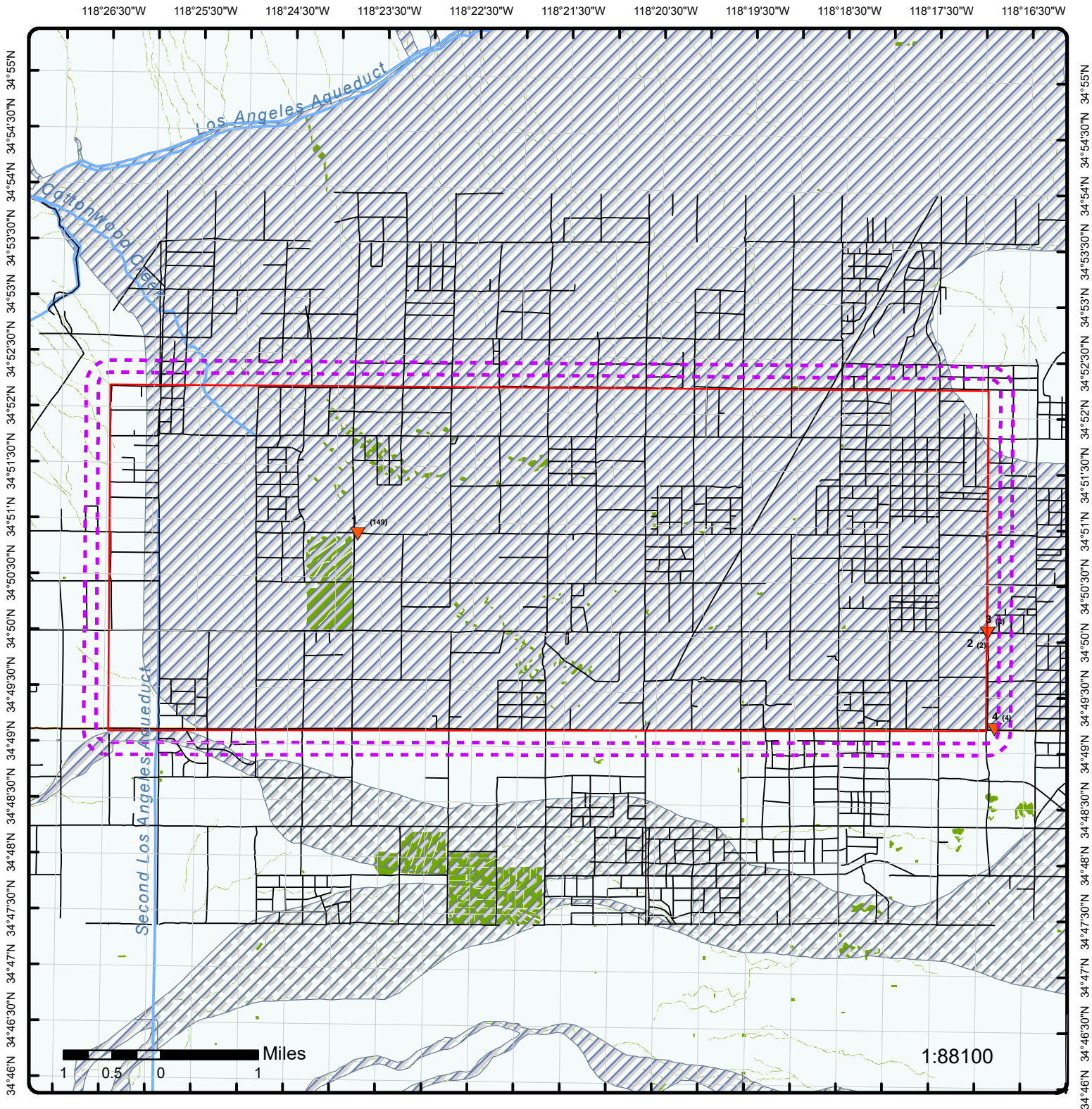


Map : 0.5 Mile Radius

Order Number: 21020900126

Address: Rosamond Boundary, Lancaster, CA





Map : 0.25 Mile Radius

Order Number: 21020900126

Address: Rosamond Boundary, Lancaster, CA



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps		Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

118°27'W 118°25'30"W 118°24'W 118°22'30"W 118°21'W 118°19'30"W 118°18'W 118°16'30"W



Aerial Year: 2015

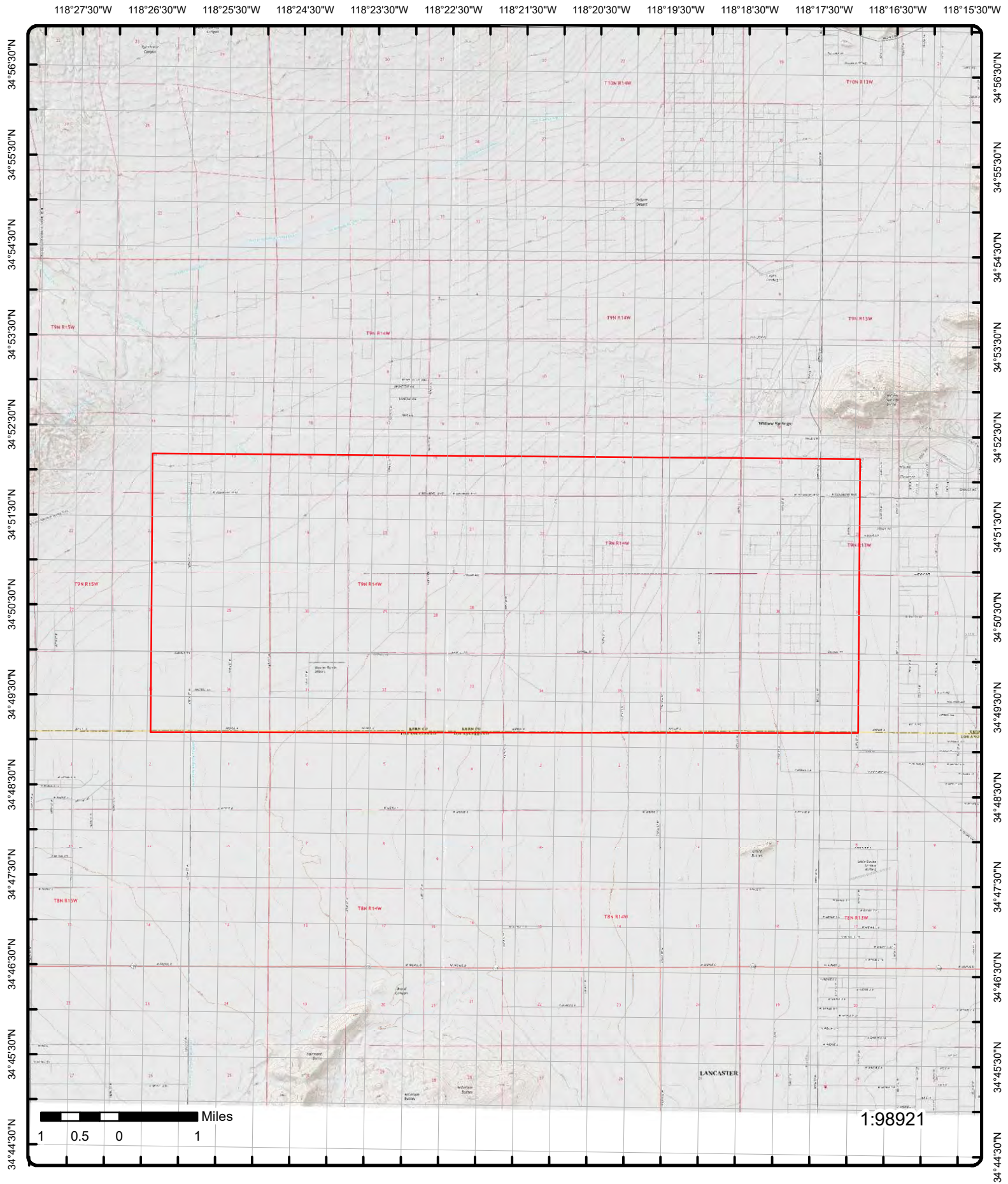
Address: Rosamond Boundary, Lancaster, CA

Source: ESRI World Imagery

Order Number: 21020900126



© Eris Information Limited Partnership



Topographic Map Year: 2015

Address: Rosamond Boundary, CA

Quadrangle(s): Little Buttes,CA; Fairmont Butte,CA; Tylerhorse Canyon,CA; Rosamond,CA; Willow Springs,CA; Seladan Mountain,CA

Source: USGS Topographic Map

Order Number: 21020900126



Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SKYOTEE RANCH UNKNOWN ROSAMOND CA 00000	FINDS/FRS
Registry ID: 110041593451 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 07-JUL-10 Update Date: 01-JUN-17 Interest Types: AIR MINOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIS Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061409 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.8319 Longitude: -118.4009 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110041593451 Program Acronyms: EIS:12507111						
1	2 of 149	WNW	0.00 / 0.00	2,436.50 / -124	NORTHROP GRUMMAN CORP W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	FINDS/FRS
Registry ID: 110018977277 FIPS Code: 06029 HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 18-NOV-04 Update Date: 12-FEB-08 Interest Types: STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018977277 Program Acronyms: HWTS-DATAMART:CAD980885305						

1	3 of 149	ENE	0.00 / 0.00	2,436.50 / -124	9171 W ROSAMOND BLVD ROSAMOND CA 93560	CDL
Clue: 2000-10-145 Date: 10/29/2000 County: KERN Lab Type: L Lab Type Description: Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.						

1	4 of 149	WSW	0.00 / 0.00	2,436.50 / -124	15310 GLASKEL RD ROSAMOND CA 93560	CDL
Clue: 2002-06-055 Date: 6/13/2002 County: KERN Lab Type: L Lab Type Description: Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.						

1	5 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Pinyon Pines Wind I, LLC 15247 Avenue A 15247 Avenue A Rosamond CA	KERN CUPA
Facility ID: FA0039476 Mailing Address: 15247 Avenue A Mailing Address 2: Mailing City: Rosamond CERS ID: 10482454 Mailing State: CA Mailing Zip: 93560						

Detail(s)

Billing Status: Active, billable	Prog Element Code: CB2T
Current Inspection Dt: 6/1/2021	Program Element: BUS PLAN MED LOW RISK 1 UNIT
HMIRRP Due Date:	Employee: CUPA 9
Report Source: CUPA - Hazardous Material Business Plan (HMBP) Inventory	

1	6 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Pinyon Pines Wind II, LLC 15247 Avenue A 15247 Avenue A	KERN CUPA
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Rosamond CA

Facility ID:	FA0039477	CERS ID:	10483579
Mailing Address:	15247 Avenue A	Mailing State:	CA
Mailing Address 2:		Mailing Zip:	93560
Mailing City:	Rosamond		

Detail(s)

Billing Status:	Active, billable	Prog Element Code:	CB2T
Current Inspection Dt:	6/1/2021	Program Element:	BUS PLAN MED LOW RISK 1 UNIT
HMIRRP Due Date:		Employee:	CUPA 9
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory		

<u>1</u>	7 of 149	NNE	0.00 / 0.00	2,436.50 / -124	GRIMMWAY - BOZIGIAN YARD 12492 ROSAMOND ROSAMOND CA 93560	AST
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Total Capacity(Gal):	13,050	Owner Name:	GRIMMWAY ENTERPRISE INC
CUPA:	Kern	County:	Kern

<u>1</u>	8 of 149	SW	0.00 / 0.00	2,436.50 / -124	BIO-GRO SYSTEMS-LANCASTER 140TH ST WEST AND AVE A LANCASTER CA 93534	LDS
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Global ID:	L10009721950	Latitude:	34.815468
County:	Los Angeles	Longitude:	-118.38794

LDS Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail(as Nov 16 2020)

RB Case No:	6B198910003	CUF Case:	NO
Loc Case No:		Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Status:	Completed - Case Closed	Caseworker:	
Status Date:	12/16/2009	Local Agency:	
Begin Date:		File Location:	Regional Board
Case Type:	Land Disposal Site		
Potential COC:			
Potential Media of Concern:			
How Discovered:			
How Discovered Description:			
Stop Method:			
Stop Description:			
Calwater Watershed Name:	Antelope - Neenach (626.40)		
DWR GW Subbasin Name:	Antelope Valley (6-044)		
Disadvantaged Community:			
Site History:			

The Regional Board has notified the Discharger, interested agencies and persons of its intent to rescind Board Order Nos. 6-90-34 and 6-93-15. The Regional Board, in a public meeting, heard and considered all comments pertaining to the rescission of these Board Orders.

LDS Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity(as Nov 16 2020)

Action:	Closure/No Further Action Letter
Date:	2005-09-14 00:00:00
Action Type:	ENFORCEMENT

LDS Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History(as Nov 16 2020)

Status:	Completed - Case Closed
Status Date:	2009-12-16 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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LDS Sites from GeoTracker Search - Regulatory Profile(as of Oct 06, 2020)

Site Facility Name: BIO-GRO SYSTEMS-LANCASTER
Site Facility Type: LAND DISPOSAL SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
Potential COC: NONE SPECIFIED
WDR Place Type:
WDR File:
WDR Order:
Designated Beneficial Use: MUN, AGR, IND, FRSH
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Freshwater Replenishment
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=L10009721950
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/16/2009
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=L10009721950&tabname=regulatoryhistory
Potential Media of Concern: NONE SPECIFIED
User Defined Beneficial Use:
DWR GW Sub Basin: Antelope Valley (6-044)
Calwater Watershed Name: Antelope - Neenach (626.40)
Post Closure Site Management:
Future Land Use:
Facility Type: * UNKNOWN
Composting Method:
Gndwater Monitoring Freque:
Cleanup Oversight Agencies: LAHONTAN RWQCB (REGION 6V) (LEAD) - CASE #: 6B198910003
File Location: REGIONAL BOARD
Site History:

The Regional Board has notified the Discharger, interested agencies and persons of its intent to rescind Board Order Nos. 6-90-34 and 6-93-15. The Regional Board, in a public meeting, heard and considered all comments pertaining to the rescission of these Board Orders.

LDS Sites from GeoTracker Search - Cleanup Status History History(as of Oct 06, 2020)

Status: Completed - Case Closed
Date: 12/16/2009

LDS Sites from GeoTracker Search - Regulatory Activities(as of Oct 06, 2020)

Action Type: Other Regulatory Actions
Action Date: 9/14/2005
Received Issue Date: 9/14/2005
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=L10009721950&enforcement_id=6038280&temptable=ENFORCEMENT
Title Description Comment: Rescission of Waste Discharge Requirements Board Order Nos. 6-90-34 & 6-93-015

LDS Sites from GeoTracker Search - Documents(as of Oct 06, 2020)

Document Type: Site Documents
Document Date: 9/14/2005
Type: CLOSURE/NO FURTHER ACTION LETTER
Title: RESCISSION OF WASTE DISCHARGE REQUIREMENTS BOARD ORDER NOS. 6-90-34 & 6-93-015
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=L10009721950&enforcement_id=6038280

1	9 of 149	WSW	0.00 / 0.00	2,436.50 / -124	M.A. MORTENSON 15637 W AVENUE A ROSAMOND CA 93560	FINDS/FRS
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Registry ID: 110058260947
FIPS Code: 15
HUC Code: 18090206

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL: Program Acronyms:		STATIONARY 25-MAR-14 10-OCT-15 STATE MASTER 2362 CALEPA 22 060290055061798 09 KERN 34.819103 -118.40364 GDT-ADDRESS MATCHING (GEOCODING) NAD83 https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110058260947				
CA-CERS:10479835, CA-ENVIROVIEW:45744						

<u>1</u>	10 of 149	WSW	0.00 / 0.00	2,436.50 / -124	ROSENDIN ELECTRIC INC 15637 W AVENUE A ROSAMOND CA 93560	FINDS/FRS
Registry ID: FIPS Code: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source:		110058259968 15 18090206 STATIONARY 25-MAR-14 13-OCT-15 STATE MASTER 1731 ELECTRICAL WORK 238210 ELECTRICAL CONTRACTORS. CALEPA 22 060290055061798 09 KERN 34.819103 -118.40364 GDT-ADDRESS MATCHING (GEOCODING) NAD83 Source:				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110058259968 Program Acronyms: CA-CERS:10479823, CA-ENVIROVIEW:62858						

1	11 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR 1 15637 AVENUE A ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110057109926 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 27-FEB-14 Update Date: 14-OCT-15 Interest Types: ELECTRIC GENERATOR, STATE MASTER SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061798 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.819056 Longitude: -118.403738 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110057109926 Program Acronyms: CA-CERS:10458559, CA-ENVIROVIEW:154563, EIA-860:58388						

1	12 of 149	NE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR 2 11936 ROSAMOND BLVD ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110057113083 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 27-FEB-14 Update Date: Interest Types: ELECTRIC GENERATOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Federal Agency Name:
 Tribal Land Code:
 Tribal Land Name:
 Congressional Dist No: 22
 Census Block Code: 060290055061798
 EPA Region Code: 09
 County Name: KERN
 US/Mexico Border Ind:
 Latitude: 34.819056
 Longitude: -118.403738
 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
 Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
 Accuracy Value: 50
 Datum: NAD83
 Source:
 Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110057113083
 Program Acronyms:

EIA-860:58389

1	13 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Sun Power Corp 15637 Ave A Rosamond CA 93560	CHMIRS
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Control No: 14-1597
 Notified Date Time:
 County: Kern County
 URL: https://w3.calema.ca.gov/operational/mal haz.
 nsf/f1841a103c102734882563e200760c4a/8723b28b8982228488257c9d0067037e?OpenDocument

Notified Date:
 Year: 2014

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Vegetable Oil	Incident Date:	3/16/2014
1 Measure:	Gal(s)	Incident Time:	1
1 Other:	Vegetable Oil	Spill Site:	Utilities/Substation
1 Quantity:	600	Injuries?:	No
1 Type:	OTHER	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Reporting Party
2 Type:		Site:	
2 Other:		Cause:	Mechanical
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	93560
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS		
Location:	15637 Ave A		
Description:	RP states that a power conversion station malfunction caused the release. The release was onto the ground and RP states that they are in the process of remediating the area.		

Spill Report View

Amount 1:
 Amount 2:
 Amount 3:

Creation Date: 03/16/2014 11:45 AM
 Received By:
 Admin Agency:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Type:	OTHER				Admin Agency 2:	
Water:					Additional County:	
On Scene:					Phone No:	
Other on Scene:					Ext:	
Other Notified:					Pag Cell:	
Document Title:	SPILL Report					
Spill Site:	Utilities/Substation					
Cause Desc for Other:						
Person Notifying Cal OES:						
<hr/>						
<u>Hazardous Materials Spill Report</u>						
Control Cal OES:	14-1597				Type 3:	
Control NRC:					Other 3:	
Date :	03/16/2014				Pipeline 3:	No
Incident Date:	03/16/2014				Ves >= 300 Tons 3:	No
Time:	1145				Name:	
Incident Time:	0001				Phone:	
Water Involved:	No				Ext:	
Drink Wtr Impact:					Pag Cell:	
Qty 1:	=				PRS Name:	
Measure 1:	Gal(s)				PRS Phone:	
Type 1:	OTHER				PRS Ext:	
Pipeline 1:	No				PRS Pag Cell:	
Ves >= 300 Tons 1:	No				Received By:	
Qty 2:	=				Header Unknown:	KERN COUNTY APCD
Amount 2:					Incident Desc:	
Measure 2:					R R Crssing < 50 Ft:	
Type 2:					Upr Rim :	
Other 2:					Notification Info:	
Pipeline 2:	No				Notification List:	
Vessel >= 300 Tns 2:	No				DOG Unit:	
Qty 3:	=				RWQCB Unit:	6B
Amount 3:					Injuries:	No
Measure 3:					Fatality:	No
Incident Location:	15637 Ave A					
Reported Cause:	Mechanical					
Amount 1:	600					
Substance 1:	Vegetable Oil					
Substance 2:						
Substance 3:						
Waterway:						
Contained:	Yes					
Known Impact:	None					
Other 1:	Vegetable Oil					
Detail for Other:						
Site:	Utilities/Substation					
On Scene:						
Other on Scene:						
Other Notified:						
Evacuation:	No					
Cleanup By:	Reporting Party					
Agency:	Sun Power Corp					
PRS Agency:						
Admin Agency:	Kern Co. Environmental Health Services Department					
Sec Agency:						
Additional County:						
Admin Agency 2:						
Description:	RP states that a power conversion station malfunction caused the release. The release was onto the ground and RP states that they are in the process of remediating the area.					

1

14 of 149

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0.00 /
0.002,436.50 /
-124

NASA
NASA Dryden Flight Research
Center fuel station, Bldg# 4854 on
Edwards AFB
Rosamond CA 93523

CHMIRS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Control No:	12-1696				Notified Date:	
Notified Date Time:					Year:	2012
County:	Kern County					
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/9892c92743c481db882579c90073c32a?OpenDocument					

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Gasoline	Incident Date:	3/21/2012
1 Measure:	Gal(s)	Incident Time:	1253
1 Other:		Spill Site:	Merchant/Business
1 Quantity:	Unknown	Injuries?:	No
1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Unknown
2 Type:		Site:	
2 Other:		Cause:	Other
2 Pipeline:	No	Cause Other:	Sump tank failure
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	93523
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,AIR RESOURCES BD,Co/WP,Co/Hlth,Co/E-Hlth		
Location:	NASA Dryden Flight Research Center fuel station, Bldg# 4854 on Edwards AFB		
Description:	RP states that while removing an old gas station, lab reports state an unknown amount of gasoline contaminated soil was discovered. Release is contained. No waterways are impacted. The excavated area is cordoned off and covered to prevent vapor release.		

Spill Report View

Amount 1:		Creation Date:	03/22/2012 02:04 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Merchant/Business		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	12-1696	Type 3:	
Control NRC:		Other 3:	
Date :	03/22/2012	Pipeline 3:	No
Incident Date:	03/21/2012	Ves >= 300 Tons 3:	No
Time:	1404	Name:	
Incident Time:	1253	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Qty 2:	=				Header Unknown:	KERN COUNTY APCD
Amount 2:					Incident Desc:	
Measure 2:					R R Crssing < 50 Ft:	
Type 2:					Uprf Rim :	
Other 2:					Notification Info:	
Pipeline 2:	No				Notification List:	
Vessel >= 300 Tns 2:	No				DOG Unit:	
Qty 3:	=				RWQCB Unit:	6B
Amount 3:					Injuries:	No
Measure 3:					Fatality:	No
Incident Location:		NASA Dryden Flight Research Center fuel station, Bldg# 4854 on Edwards AFB				
Reported Cause:		Other				
		Description for Other : Sump tank failure				
Amount 1:		Unknown				
Substance 1:		Gasoline				
Substance 2:						
Substance 3:						
Waterway:						
Contained:		Yes				
Known Impact:		None				
Other 1:						
Detail for Other:						
Site:		Merchant/Business				
On Scene:						
Other on Scene:						
Other Notified:		Kern Co Env Health				
Evacuation:		No				
Cleanup By:		Unknown				
Agency:		NASA				
PRS Agency:						
Admin Agency:		Kern Co. Environmental Health Services Department				
Sec Agency:						
Additional County:						
Admin Agency 2:						
Description:		RP states that while removing an old gas station, lab reports state an unknown amount of gasoline contaminated soil was discovered. Release is contained. No waterways are impacted. The excavated area is cordoned off and covered to prevent vapor release.				

Spill Report View

Amount 1:		Creation Date:	03/22/2012 02:32 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date:	03/22/2012
Notify Time:	1404
Occurrence Date:	03/21/2012
Occurrence Time:	1253
Upd Known Impact:	
Update Cause:	
Pers Notifying Upd Place:	
Pers Notifying Upd Nme:	
Phone No:	
Ext:	
Pag Cell:	
Fax Notifi List:	AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, AIR RESOURCES BD, Co/WP, Co/Hlth, Co/E-Hlth

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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County: Kern County
 URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/23456955b2a459ec8825784d001c6489?OpenDocument>

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Mineral Oil	Incident Date:	3/7/2011
1 Measure:	Gal(s)	Incident Time:	1630
1 Other:	Non PCB's	Spill Site:	Other
1 Quantity:	5	Injuries?:	No
1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:		Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Contractor
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS		
Location:	110th St. West at Gaskell Road		
Description:	A wind storm caused damage to a pole top transformer. Oil spilled on soil.		

Spill Report View

Amount 1:		Creation Date:	03/07/2011 09:10 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Other		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	11-1385	Type 3:	
Control NRC:		Other 3:	
Date :	03/07/2011	Pipeline 3:	No
Incident Date:	03/07/2011	Ves >= 300 Tons 3:	No
Time:	2110	Name:	
Incident Time:	1630	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div> Other 2: Pipeline 2: No Vessel >= 300 Tns 2: No Qty 3: = Amount 3: Measure 3: Incident Location: 110th St. West at Gaskell Road Reported Cause: Unknown Amount 1: 5 Substance 1: Mineral Oil Substance 2: Substance 3: Waterway: Contained: Yes Known Impact: None Other 1: Non PCB's Detail for Other: Site: Other Description for Other : On Scene: Other on Scene: Other Notified: County Env Health Evacuation: No Cleanup By: Contractor Agency: So. Cal. Edison PRS Agency: Admin Agency: Kern Co. Environmental Health Services Department Sec Agency: Additional County: Admin Agency 2: Description: A wind storm caused damage to a pole top transformer. Oil spilled on soil. </div> <div> Notification Info: Notification List: DOG Unit: RWQCB Unit: 6B Injuries: No Fatality: No </div> </div>						
1	16 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SCE Whirlwind Substation 3493 170th Street West 3493 170th Street West Rosamond CA	KERN CUPA
<div> <div> Facility ID: FA0036530 Mailing Address: P.O. Box 5085 (Attn: ESD, Programs & Governance) Mailing Address 2: Mailing City: Rosemead </div> <div> CERS ID: 10198966 Mailing State: CA Mailing Zip: 91770 </div> </div>						
Detail(s)						
<div> <div> Billing Status: Active, billable Current Inspection Dt: 12/1/2020 HMIRRP Due Date: 2/28/2013 Report Source: CUPA - Hazardous Material Business Plan (HMBP) Inventory </div> <div> Prog Element Code: CB3T Program Element: BUS PLAN LARGE LOW RISK 1 UNIT Employee: CUPA 9 </div> </div>						
1	17 of 149	WSW	0.00 / 0.00	2,436.50 / -124	M.A. Mortenson 15637 W Avenue A 15637 W Avenue A Rosamond CA	KERN CUPA
<div> <div> Facility ID: FA0039165 Mailing Address: 15637 Ave A Mailing Address 2: Mailing City: Rosamond </div> <div> CERS ID: 10479835 Mailing State: CA Mailing Zip: 93560 </div> </div>						
Detail(s)						
<div> <div> Billing Status: Inactive, non-billable Current Inspection Dt: 5/1/2017 </div> <div> Prog Element Code: CG07 Program Element: SMALL QUANTITY HAZARDOUS WASTE GENERATOR </div> </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:		CUPA - Hazardous Waste (HW) Facilities				
Detail(s)						
Billing Status:	Inactive, non-billable			Prog Element Code:	CB1T	
Current Inspection Dt:	5/1/2017			Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
1	18 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Kingbird Solar A LLC 501 170th St W 501 170th St W Rosamond CA	KERN CUPA
Facility ID:	FA0041644			CERS ID:	10625032	
Mailing Address:	350 W Washington EHS Suite 600			Mailing State:	AZ	
Mailing Address 2:				Mailing Zip:	85281	
Mailing City:	Tempe					
Detail(s)						
Billing Status:	Active, billable			Prog Element Code:	CG07	
Current Inspection Dt:	10/1/2021			Program Element:	SMALL QUANTITY HAZARDOUS WASTE GENERATOR	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Waste (HW) Facilities					
Detail(s)						
Billing Status:	Active, billable			Prog Element Code:	CB2T	
Current Inspection Dt:	10/1/2021			Program Element:	BUS PLAN MED LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
1	19 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Solar Star 1 15637 Avenue A 15637 Avenue A Rosamond CA	KERN CUPA
Facility ID:	FA0039168			CERS ID:	10458559	
Mailing Address:	15247 Avenue A			Mailing State:	CA	
Mailing Address 2:				Mailing Zip:	93560	
Mailing City:	Rosamond					
Detail(s)						
Billing Status:	Active, billable			Prog Element Code:	CB3T	
Current Inspection Dt:	5/1/2023			Program Element:	BUS PLAN LARGE LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
Detail(s)						
Billing Status:	Inactive, non-billable			Prog Element Code:	CG07	
Current Inspection Dt:	5/1/2020			Program Element:	SMALL QUANTITY HAZARDOUS WASTE GENERATOR	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Waste (HW) Facilities					
1	20 of 149	NE	0.00 / 0.00	2,436.50 / -124	Solar Star 2 11936 Rosamond Blvd	KERN CUPA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Rosamond CA						
Facility ID:	FA0039379			CERS ID:	10458601	
Mailing Address:	15247 Avenue A			Mailing State:	CA	
Mailing Address 2:				Mailing Zip:	93560	
Mailing City:	Rosamond					
<u>Detail(s)</u>						
Billing Status:	Active, billable			Prog Element Code:	CB3T	
Current Inspection Dt:	5/1/2021			Program Element:	BUS PLAN LARGE LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
<u>Detail(s)</u>						
Billing Status:	Active, billable			Prog Element Code:	CG07	
Current Inspection Dt:	5/1/2021			Program Element:	SMALL QUANTITY HAZARDOUS WASTE GENERATOR	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Waste (HW) Facilities					
1	21 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Rosendin Electric Inc 15637 W Avenue A 15637 W AVENUE A Rosamond CA	KERN CUPA
Facility ID:	FA0039146			CERS ID:	10479823	
Mailing Address:	15637 W Avenue A			Mailing State:	CA	
Mailing Address 2:				Mailing Zip:	93560	
Mailing City:	Rosamond					
<u>Detail(s)</u>						
Billing Status:	Inactive, non-billable			Prog Element Code:	CB1T	
Current Inspection Dt:	3/1/2017			Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
1	22 of 149	WSW	0.00 / 0.00	2,436.50 / -124	LANCASTER RANCHES INC 150TH ST WEST & GASKELL RD ROSAMOND CA 93560	HHSS
County:						
Pdf File Url:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024c4a.pdf					
1	23 of 149	ESE	0.00 / 0.00	2,436.50 / -124	RITTER AND GODDE RANCH 90TH STREET WEST & AVENUE A ROSAMOND CA 93560	HHSS
County:						
Pdf File Url:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024801.pdf					
1	24 of 149	NNW	0.00 / 0.00	2,436.50 / -124	SINGAMANNY CORP STAR RTE 1 BOX 352 135 W & ROSAMOND BLVD ROSAMOND CA 93560	HHSS
County:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002507d.pdf				
1	25 of 149	SE	0.00 / 0.00	2,436.50 / -124	TAPIA BROS INC. 120TH STREET WEST 120TH STREET WEST ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110023013451				
FIPS Code:		06029				
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		09-NOV-05				
Update Date:		07-NOV-11				
Interest Types:						
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		RMP				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060290055061706				
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:		34.823056				
Longitude:		-118.335278				
Reference Point:		STORAGE TANK				
Coord Collection Method:						
Accuracy Value:		10				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110023013451				
Program Acronyms:						
1	26 of 149	WSW	0.00 / 0.00	2,436.50 / -124	CALANDRI/SONRISE FARMS, LP - GASKELL RD. 160TH STREET WEST & GASKELL RD. ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110023013987				
FIPS Code:		06029				
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		09-NOV-05				
Update Date:		07-NOV-11				
Interest Types:						
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Congressional Dist No: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL: Program Acronyms:		22 060290055061405 09 KERN 34.83335 -118.41402 ENTRANCE POINT OF A FACILITY OR STATION ADDRESS MATCHING-NEAREST INTERSECTION 200 NAD83 https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110023013987				
<u>1</u>	27 of 149	E	0.00 / 0.00	2,436.50 / -124	CALANDRI/SONRISE FARMS, LP - KIM RANCH 90TH STREET WEST AND GASKELL ROAD ROSAMOND CA 93560	FINDS/FRS
Registry ID: FIPS Code: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL: Program Acronyms:		110025213043 06029 18090206 STATIONARY 04-AUG-06 07-NOV-11 FRS 22 060290055061598 09 KERN 34.83463 -118.29065 ENTRANCE POINT OF A FACILITY OR STATION ADDRESS MATCHING-NEAREST INTERSECTION 200 NAD83 https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110025213043				
<u>1</u>	28 of 149	WSW	0.00 / 0.00	2,436.50 / -124	CALANDRI/SONRISE FARMS, LP - LANE RANCH WEST AVENUE A & 175TH STREET WEST ROSAMOND CA 93560	FINDS/FRS
Registry ID: FIPS Code: HUC Code:		110023013996 06029 18090206				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 09-NOV-05 Update Date: 07-NOV-11 Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: RMP Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061942 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.819183 Longitude: -118.440353 Reference Point: STORAGE TANK Coord Collection Method: Accuracy Value: 10 Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110023013996 Program Acronyms:						
1	29 of 149	W	0.00 / 0.00	2,436.50 / -124	GIBA FARMS 170TH STREET WEST & HOLIDAY AVENUE ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110023013512 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 09-NOV-05 Update Date: 07-NOV-11 Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061394 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.84791 Longitude: -118.4321 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-NEAREST INTERSECTION Accuracy Value: 200 Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110023013512						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Acronyms:						
1	30 of 149	W	0.00 / 0.00	2,436.50 / -124	SUNPOWER CORPORATION 1006 170TH ST W ROSAMOND CA 935607000	HAZNET
<div> <div> SIC Code: NAICS Code: EPA ID: CAC002725473 Create Date: 4/3/2013 Fac Act Ind: No Inact Date: 7/3/2013 County Code: 15 County Name: Kern Mail Name: Mailing Addr 1: 15637 AVENUE A Mailing Addr 2: Owner Fax: </div> <div> Mailing City: ROSAMOND Mailing State: CA Mailing Zip: 93560 Region Code: 1 Owner Name: SOLAR STAR XX Owner Addr 1: 666 GRAND AVE Owner Addr 2: Owner City: DES MOINES Owner State: IA Owner Zip: 503092506 Owner Phone: 7123550932 </div> </div>						
Contact Information -- Contact Name: SHANNON RICHARDSON Street Address 1: 15637 AVENUE A Street Address 2: City: ROSAMOND State: CA Zip: 93560 Phone: 4157489552 -- -- Tanner Information -- Generator EPA ID: CAC002725473 Generator County Code: 15 Generator County: Kern TSD EPA ID: CAL000282598 TSD County Code: 15 TSD County: Kern State Waste Code: 352 State Waste Code Desc.: Other organic solids Method Code: H141 Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135) Tons: 0.8 Year: 2013 -- Generator EPA ID: CAC002725473 Generator County Code: 15 Generator County: Kern TSD EPA ID: CAD028409019 TSD County Code: 19 TSD County: Los Angeles State Waste Code: 551 State Waste Code Desc.: Laboratory waste chemicals Method Code: H141 Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135) Tons: 0.06255 Year: 2013 --						
1	31 of 149	WSW	0.00 / 0.00	2,436.50 / -124	PAPICH CONSTRUCTION COMPANY INC 501 170TH ST W ROSAMOND CA 935604500	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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SIC Code:	1794				Mailing City:	PISMO BEACH
NAICS Code:	23593				Mailing State:	CA
EPA ID:	CAL000408656				Mailing Zip:	93448
Create Date:	7/21/2015				Region Code:	1
Fac Act Ind:	No				Owner Name:	PAPICH CONSTRUCTION COMPANY INC
Inact Date:	10/26/2015				Owner Addr 1:	800 FARROLL RD
County Code:	15				Owner Addr 2:	
County Name:	Kern				Owner City:	GROVER BEACH
Mail Name:					Owner State:	CA
Mailing Addr 1:	PO BOX 2210				Owner Zip:	93433
Mailing Addr 2:					Owner Phone:	8054733016
Owner Fax:	8054815966					
Contact Information						
--		--				
Contact Name:		TODD BRIGHT				
Street Address 1:		PO BOX 2210				
Street Address 2:						
City:		PISMO BEACH				
State:		CA				
Zip:		93448				
Phone:		8054312330				
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1	32 of 149	ENE	0.00 / 0.00	2,436.50 / -124	FANNIE MAE 2929 100TH ST W ROSAMOND CA 93560	HAZNET
SIC Code:					Mailing City:	ROSAMOND
NAICS Code:					Mailing State:	CA
EPA ID:	CAC002719696				Mailing Zip:	93560
Create Date:	2/6/2013				Region Code:	1
Fac Act Ind:	No				Owner Name:	FANNIE MAE
Inact Date:	5/8/2013				Owner Addr 1:	2929 100TH ST W
County Code:	15				Owner Addr 2:	
County Name:	Kern				Owner City:	ROSAMOND
Mail Name:					Owner State:	CA
Mailing Addr 1:	2929 100TH ST W				Owner Zip:	93560
Mailing Addr 2:					Owner Phone:	9096336002
Owner Fax:						
Contact Information						
--		--				
Contact Name:		CHRISTOS KAKKALIS				
Street Address 1:		15637 INCA WAY				
Street Address 2:						
City:		VICTORVILLE				
State:		CA				
Zip:		92395				
Phone:		9096336002				
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1	33 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XIX 510 160TH STREET WEST ROSAMOND CA 93560	HAZNET
SIC Code:					Mailing City:	ROSAMOND
NAICS Code:					Mailing State:	CA
EPA ID:	CAC002723830				Mailing Zip:	93560
Create Date:	3/19/2013				Region Code:	1
Fac Act Ind:	No				Owner Name:	SOLAR STAR XIX
Inact Date:	6/18/2013				Owner Addr 1:	666 GRAND AVE
County Code:	15				Owner Addr 2:	SUITE 500
County Name:	Kern				Owner City:	DES MOINES
Mail Name:					Owner State:	IA
Mailing Addr 1:	15637 AVENUE A				Owner Zip:	503092506

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing Addr 2:			Owner Phone:		5633202586	
Owner Fax:						
Contact Information						
--		--				
Contact Name:		JOE BANNON				
Street Address 1:		15637 AVENUE A				
Street Address 2:						
City:		ROSAMOND				
State:		CA				
Zip:		93560				
Phone:		6617490932				
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--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAC002723830				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		141				
State Waste Code Desc.:		Off-specification, aged or surplus inorganics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.68805				
Year:		2013				
--		--				
Generator EPA ID:		CAC002723830				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD009007626				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		151				
State Waste Code Desc.:		Asbestos containing waste				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		1.6				
Year:		2013				
--		--				
Generator EPA ID:		CAC002723830				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAL000282598				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.038				
Year:		2013				
--		--				
Generator EPA ID:		CAC002723830				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAL000282598				
TSD County Code:		15				
TSD County:		Kern				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons:		0.325				
Year:		2013				
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1	34 of 149	NNE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XX 12492 W ROSAMOND BLVD WILLOW SPGS CA 935607052	HAZNET
<div> <div> SIC Code: NAICS Code: EPA ID: CAC002723836 Create Date: 3/19/2013 Fac Act Ind: No Inact Date: 6/18/2013 County Code: 26 County Name: Mono Mail Name: Mailing Addr 1: 15637 AVENUE A Mailing Addr 2: Owner Fax: </div> <div> Mailing City: ROSAMOND Mailing State: CA Mailing Zip: 93560 Region Code: 1 Owner Name: SOLAR STAR XX Owner Addr 1: 666 GRAND AVE Owner Addr 2: Owner City: DES MOINES Owner State: IA Owner Zip: 503092506 Owner Phone: 5633202586 </div> </div>						
Contact Information						
--						
Contact Name: JOE BANNON						
Street Address 1: 15637 AVENUE A						
Street Address 2:						
City: ROSAMOND						
State: CA						
Zip: 93560						
Phone: 6617490932						
--						
--						
Tanner Information						
--						
Generator EPA ID: CAC002723836						
Generator County Code: 26						
Generator County: Mono						
TSD EPA ID: CAD009007626						
TSD County Code: 19						
TSD County: Los Angeles						
State Waste Code: 151						
State Waste Code Desc.: Asbestos containing waste						
Method Code: H132						
Method Description: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)						
Tons: 1.2						
Year: 2013						
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1	35 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XIX 415 155TH ST W ROSAMOND CA 935607182	HAZNET
<div> <div> SIC Code: NAICS Code: EPA ID: CAC002773876 Create Date: 6/6/2014 Fac Act Ind: No Inact Date: 9/5/2014 County Code: 15 County Name: Kern Mail Name: Mailing Addr 1: 15637 W AVENUE A Mailing Addr 2: Owner Fax: </div> <div> Mailing City: ROSAMOND Mailing State: CA Mailing Zip: 93560 Region Code: 1 Owner Name: SOLAR STAR XIX Owner Addr 1: 666 GRAND AVE STE 500 Owner Addr 2: Owner City: DES MOINES Owner State: IA Owner Zip: 503092511 Owner Phone: 4082405500 </div> </div>						

Contact Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
--		--				
Contact Name:		JON BORTLE				
Street Address 1:		15637 W AVENUE A				
Street Address 2:						
City:		ROSAMOND				
State:		CA				
Zip:		93560				
Phone:		4082405500				
Tanner Information						
Generator EPA ID:		CAC002773876				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0025				
Year:		2014				
Generator EPA ID:		CAC002773876				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		611				
State Waste Code Desc.:		Contaminated soil from site clean-up				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		2.36				
Year:		2014				
1		36 of 149				
		WSW				
		0.00 / 0.00				
		2,436.50 / -124				
		CUPERTINO ELECTRIC, INC.				
		15637 W AVENUE A				
		ROSAMOND CA 935607567				
SIC Code:		1731				
NAICS Code:		23531				
EPA ID:		CAC002760247				
Create Date:		2/6/2014				
Fac Act Ind:		No				
Inact Date:		5/8/2014				
County Code:		15				
County Name:		Kern				
Mail Name:						
Mailing Addr 1:		1132 N 7TH ST				
Mailing Addr 2:						
Owner Fax:		4082758575				
Contact Information						
Contact Name:		JULIE SALINAS				
Street Address 1:		1132 N 7TH ST				
Street Address 2:						
City:		SAN JOSE				
State:		CA				
Zip:		95112				
Phone:		4088088172				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tanner Information						
--		--				
Generator EPA ID:		CAC002760247				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.32				
Year:		2014				
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<u>1</u>	37 of 149	NE	0.00 / 0.00	2,436.50 / -124	CAL ORGANIC VEGETABLE COMPANY 12622 HOLIDAY AVE ROSAMOND CA 935600000	HAZNET
SIC Code:	9641			Mailing City:	BAKERSFIELD	
NAICS Code:	92614			Mailing State:	CA	
EPA ID:	CAL000220619			Mailing Zip:	933801498	
Create Date:	7/3/2001			Region Code:	1	
Fac Act Ind:	No			Owner Name:	BOB GRIMM	
Inact Date:	6/30/2003			Owner Addr 1:	PO BOX 81498	
County Code:	15			Owner Addr 2:		
County Name:	Kern			Owner City:	BAKERSFIELD	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	PO BOX 81498			Owner Zip:	933801498	
Mailing Addr 2:				Owner Phone:	6618546212	
Owner Fax:						
Contact Information						
--		--				
Contact Name:	JOEL SHERMAN					
Street Address 1:	PO BOX 81498					
Street Address 2:						
City:	BAKERSFIELD					
State:	CA					
Zip:	933801498					
Phone:	6618546212					
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<u>1</u>	38 of 149	NNE	0.00 / 0.00	2,436.50 / -124	GRIMMWAY ENTERPRISES INC 12492 W ROSAMOND BLVD ROSAMOND CA 93560	HAZNET
SIC Code:	2099			Mailing City:	BAKERSFIELD	
NAICS Code:	111998			Mailing State:	CA	
EPA ID:	CAL000258196			Mailing Zip:	933801498	
Create Date:	8/23/2002 1:49:45 PM			Region Code:	1	
Fac Act Ind:	No			Owner Name:	GRIMMWAY ENTERPRISES INC	
Inact Date:	6/27/2014			Owner Addr 1:	PO BOX 81498	
County Code:	15			Owner Addr 2:		
County Name:	Kern			Owner City:	BAKERSFIELD	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	PO BOX 81498			Owner Zip:	933801498	
Mailing Addr 2:				Owner Phone:	6613634732	
Owner Fax:	6618455201					
Contact Information						
--		--				
Contact Name:	ROBERT WEGIS					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Street Address 1:		PO BOX 81498				
Street Address 2:						
City:		BAKERSFIELD				
State:		CA				
Zip:		93380				
Phone:		6613634732				
--		--				
--		--				
Tanner Information						
--		--				
Generator EPA ID:		CAL000258196				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		5				
Year:		2013				
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<u>1</u>	39 of 149	SE	0.00 / 0.00	2,436.50 / -124	SUNPOWER CORPORATION 12125 GASKELL RD ROSAMOND CA 93560	HAZNET
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SIC Code:		Mailing City:	ROSAMOND
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002725478	Mailing Zip:	93560
Create Date:	4/3/2013	Region Code:	1
Fac Act Ind:	No	Owner Name:	SOLAR STAR XX
Inact Date:	7/3/2013	Owner Addr 1:	666 GRAND AVE
County Code:	15	Owner Addr 2:	
County Name:	Kern	Owner City:	DES MOINES
Mail Name:		Owner State:	IA
Mailing Addr 1:	15637 AVENUE A	Owner Zip:	503092506
Mailing Addr 2:		Owner Phone:	7123550932
Owner Fax:			

Contact Information

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Contact Name:	SHANNON RICHARDSON
Street Address 1:	15637 AVENUE A
Street Address 2:	
City:	ROSAMOND
State:	CA
Zip:	93560
Phone:	4157489552
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Tanner Information

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Generator EPA ID:	CAC002725478
Generator County Code:	15
Generator County:	Kern
TSD EPA ID:	CAL000282598
TSD County Code:	15
TSD County:	Kern
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons:	0.4
Year:	2013

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1	40 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SJ LEWIS CONSTRUCTION W 160TH ST & GASKELL RD ROSAMOND CA 93560	HAZNET
SIC Code:				Mailing City:	ROCKVILLE	
NAICS Code:				Mailing State:	MN	
EPA ID:		CAC002663715		Mailing Zip:	56369	
Create Date:		3/4/2011		Region Code:	1	
Fac Act Ind:		No		Owner Name:	SJ LEWIS CONSTRUCTION	
Inact Date:		9/1/2011		Owner Addr 1:	PO BOX 459	
County Code:		15		Owner Addr 2:		
County Name:		Kern		Owner City:	ROCKVILLE	
Mail Name:				Owner State:	MN	
Mailing Addr 1:		PO BOX 459		Owner Zip:	56369	
Mailing Addr 2:				Owner Phone:	3202539291	
Owner Fax:						
Contact Information						
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Contact Name:		PAUL SALZL				
Street Address 1:		PO BOX 459				
Street Address 2:						
City:		ROCKVILLE				
State:		MN				
Zip:		56369				
Phone:		3202539291				
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1	41 of 149	ENE	0.00 / 0.00	2,436.50 / -124	FANNIE MAE 2929 100TH ST W ROSAMOND CA 935607376	HAZNET
SIC Code:				Mailing City:	ROSAMOND	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC002719305		Mailing Zip:	935607376	
Create Date:		2/4/2013		Region Code:	1	
Fac Act Ind:		No		Owner Name:	FANNIE MAE	
Inact Date:		5/6/2013		Owner Addr 1:	2929 100TH ST W	
County Code:		15		Owner Addr 2:		
County Name:		Kern		Owner City:	ROSAMOND	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		2929 100TH ST W		Owner Zip:	935607376	
Mailing Addr 2:				Owner Phone:	9096336002	
Owner Fax:						
Contact Information						
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Contact Name:		CHRISTOS KAKKALIS				
Street Address 1:		15637 INCA WAY				
Street Address 2:						
City:		VICTORVILLE				
State:		CA				
Zip:		92395				
Phone:		9096336002				
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1	42 of 149	ENE	0.00 / 0.00	2,436.50 / -124	1X WILSON, RAY 10153 LESLIE AVE ROSAMOND CA 935600000	HAZNET
SIC Code:				Mailing City:	ROSAMOND	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC000600520		Mailing Zip:	935600000	
Create Date:		5/23/1991		Reaion Code:	1	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Fac Act Ind:	No				Owner Name:	RAY WILSON
Inact Date:	10/25/2000				Owner Addr 1:	--
County Code:	15				Owner Addr 2:	--
County Name:	Kern				Owner City:	--
Mail Name:					Owner State:	99
Mailing Addr 1:	--				Owner Zip:	--
Mailing Addr 2:					Owner Phone:	0000000000
Owner Fax:						
 Contact Information						
--	--					
Contact Name:	RAY WILSON/OWNER					
Street Address 1:	--					
Street Address 2:						
City:	--					
State:	99					
Zip:	--					
Phone:	8052562703					
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<hr/>						
<u>1</u>	43 of 149	WNW	0.00 / 0.00	2,436.50 / -124	NORTHROP GRUMMAN CORP W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	HAZNET
 SIC Code:						
	3721,3728				Mailing City:	EL SEGUNDO
NAICS Code:	3364,336411				Mailing State:	CA
EPA ID:	CAD980885305				Mailing Zip:	902450000
Create Date:	11/12/1986				Region Code:	1
Fac Act Ind:	Yes				Owner Name:	NORTHROP GRUMMAN CORPORATION
Inact Date:					Owner Addr 1:	2980 FAIRVIEW PARK DR
County Code:	15				Owner Addr 2:	
County Name:	Kern				Owner City:	FALLS CHURCH
Mail Name:					Owner State:	VA
Mailing Addr 1:	ONE HORNET WAY PA12/W2				Owner Zip:	220420000
Mailing Addr 2:					Owner Phone:	7032802529
Owner Fax:	6612726300					
 Contact Information						
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Contact Name:	JOSEPH BEHEN					
Street Address 1:	ONE HORNET WAY PA14/W2					
Street Address 2:						
City:	EL SEGUNDO					
State:	CA					
Zip:	90245					
Phone:	3103326925					
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 Tanner Information						
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Generator EPA ID:	CAD980885305					
Generator County Code:	15					
Generator County:	Kern					
TSD EPA ID:	CAD050806850					
TSD County Code:	19					
TSD County:	Los Angeles					
State Waste Code:	132					
State Waste Code Desc.:	Aqueous solution with metals (< restricted levels and see 121)					
Method Code:	H01					
Method Description:	Transfer station					
Tons:	0.0625					
Year:	2000					
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Generator EPA ID:	CAD980885305					
Generator County Code:	15					
Generator County:	Kern					
TSD EPA ID:	CAD050806850					
TSD County Code:	19					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		Los Angeles				
State Waste Code:		132				
State Waste Code Desc.:		Aqueous solution with metals (< restricted levels and see 121)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.03				
Year:		2001				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080033681				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		132				
State Waste Code Desc.:		Aqueous solution with metals (< restricted levels and see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		10.425				
Year:		1995				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD097030993				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		132				
State Waste Code Desc.:		Aqueous solution with metals (< restricted levels and see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		7.6311				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		133				
State Waste Code Desc.:		Aqueous solution with total organic residues 10 percent or more				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.834				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.0325				
Year:		2007				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		H141				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.13				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.0875				
Year:		2002				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.045				
Year:		2003				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.08				
Year:		2004				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		135				
State Waste Code Desc.:		Unspecified aqueous solution				
Method Code:						
Method Description:						
Tons:		0.1025				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		181				
State Waste Code Desc.:		Other inorganic solid waste				
Method Code:						
Method Description:						
Tons:		0.07				
Year:		2001				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		1.44				
Year:		2012				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.225				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.64				
Year:		2007				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.3975				
Year:		2008				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.435				
Year:		2006				
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Generator EPA ID:		CAD980885305				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.36				
Year:		2008				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.4				
Year:		2009				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.1925				
Year:		2010				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2				
Year:		2011				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.235				
Year:		2003				
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Generator EPA ID:		CAD980885305				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.2				
Year:		2004				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2375				
Year:		2000				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2175				
Year:		2001				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.95				
Year:		1995				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.76				
Year:		1999				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.3925				
Year:		2002				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.4				
Year:		2003				
--		--				
Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.45				
Year:		2004				
--		--				
Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.6375				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.2125				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:						
Tons:		0.45				
Year:		2001				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:						
Method Description:						
Tons:		0.2				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		271				
State Waste Code Desc.:		Organic monomer waste (includes unreacted resins)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.06				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		271				
State Waste Code Desc.:		Organic monomer waste (includes unreacted resins)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.075				
Year:		2011				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		271				
State Waste Code Desc.:		Organic monomer waste (includes unreacted resins)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.0425				
Year:		2002				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.01				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		2010				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.105				
Year:		1999				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:						
Method Description:						
Tons:		0.01				
Year:		2010				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.4075				
Year:		2007				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.4575				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.27				
Year:		2008				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.4725				
Year:		2009				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.26				
Year:		2010				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.1				
Year:		2011				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2775				
Year:		2012				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.23				
Year:		2003				
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.19				
Year:		2004				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1725				
Year:		1998				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.3675				
Year:		1999				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.1875				
Year:		2000				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.15				
Year:		2001				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.735				
Year:		2002				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.24				
Year:		2003				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		R01				
Method Description:		Recycler				
Tons:		0.165				
Year:		2004				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.2625				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		342				
State Waste Code Desc.:		Organic liquids with metals (see 121)				
Method Code:						
Method Description:						
Tons:		0.35				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.192				
Year:		1994				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.312				
Year:		1995				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0				
Year:		1996				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:		0.2245				
Year:		1994				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:		0.1025				
Year:		1996				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:						
Method Description:						
Tons:		0.09				
Year:		1997				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		1.0925				
Year:		2007				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.2525				
Year:		2008				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		34.087				
Year:		2011				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552172				
TSD County Code:						
TSD County:						
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H040				
Method Description:		INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL				
Tons:		0.15				
Year:		2012				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.73				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.8625				
Year:		2008				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.39				
Year:		2009				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.345				
Year:		2010				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.3275				
Year:		2002				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.415				
Year:		2003				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.8625				
Year:		2004				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.24				
Year:		1998				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.515				
Year:		1999				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.2625				
Year:		2000				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.3025				
Year:		2001				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code Desc.:		Other organic solids				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.0237				
Year:		1994				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.2075				
Year:		1995				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.095				
Year:		1996				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.17				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		T03				
Method Description:		Treatment, incineration				
Tons:		0.4375				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0.093				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		1994				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0.0875				
Year:		1996				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0.1475				
Year:		1997				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		0.135				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:						
Method Description:						
Tons:		33.712				
Year:		2011				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		611				
State Waste Code Desc.:		Contaminated soil from site clean-up				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		3.2				
Year:		2011				
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Generator EPA ID:		CAD980885305				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		723				
State Waste Code Desc.:		Liquids with chromium (VI) >= 500 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.34				
Year:		2006				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		723				
State Waste Code Desc.:		Liquids with chromium (VI) >= 500 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.0625				
Year:		2008				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.2				
Year:		2009				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		D99				
Method Description:		Disposal, other				
Tons:		0.025				
Year:		2002				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.045				
Year:		1999				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.025				
Year:		2000				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		741				
State Waste Code Desc.:		Liquids with halogenated organic compounds >= 1,000 Mg./L				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.02				
Year:		2001				
--		--				
Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		792				
State Waste Code Desc.:		Liquids with pH <= 2 with metals				
Method Code:		H01				
Method Description:		Transfer station				
Tons:		0.275				
Year:		2005				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.035				
Year:		2008				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD044429835				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:		D99				
Method Description:		Disposal, other				
Tons:						
Year:		2003				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD050806850				
TSD County Code:		19				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		Los Angeles				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0.005				
Year:		1998				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0.0575				
Year:		1996				
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Generator EPA ID:		CAD980885305				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		UTD981552177				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:						
State Waste Code Desc.:						
Method Code:						
Method Description:						
Tons:		0.0075				
Year:		1997				
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<u>1</u>	44 of 149	E	0.00 / 0.00	2,436.50 / -124	SCOTT HARTER 1747 100TH ST W ROSAMOND CA 935607013	HAZNET
SIC Code:		9999		Mailing City:		ROSAMOND
NAICS Code:		99999		Mailing State:		CA
EPA ID:		CAL000346800		Mailing Zip:		935607218
Create Date:		9/25/2009 1:47:33 PM		Region Code:		1
Fac Act Ind:		No		Owner Name:		SCOTT HARTER
Inact Date:		6/30/2010		Owner Addr 1:		237 72ND ST W
County Code:		15		Owner Addr 2:		
County Name:		Kern		Owner City:		ROSAMOND
Mail Name:				Owner State:		CA
Mailing Addr 1:		237 72ND ST W		Owner Zip:		935607218
Mailing Addr 2:				Owner Phone:		6618101540
Owner Fax:		6612560884				
Contact Information						
--		--				
Contact Name:		SCOTT HARTER				
Street Address 1:		237 72ND ST W				
Street Address 2:						
City:		ROSAMOND				
State:		CA				
Zip:		935607218				
Phone:		6618101540				
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<u>1</u>	45 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XX 13490 HOLIDAY AVE ROSAMOND CA 93560	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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SIC Code:					Mailing City:	ROSAMOND
NAICS Code:					Mailing State:	CA
EPA ID:	CAC002743386				Mailing Zip:	93560
Create Date:	9/10/2013				Region Code:	1
Fac Act Ind:	No				Owner Name:	SOLAR STAR XX
Inact Date:	12/10/2013				Owner Addr 1:	666 GRAND AVE
County Code:	15				Owner Addr 2:	
County Name:	Kern				Owner City:	DES MOINES
Mail Name:					Owner State:	IA
Mailing Addr 1:	15637 AVENUE A				Owner Zip:	503092506
Mailing Addr 2:					Owner Phone:	5633202586
Owner Fax:						
Contact Information						
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Contact Name:	JOE BANNON					
Street Address 1:	15637 AVENUE A					
Street Address 2:						
City:	ROSAMOND					
State:	CA					
Zip:	93560					
Phone:	6617490932					
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Tanner Information						
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Generator EPA ID:	CAC002743386					
Generator County Code:	15					
Generator County:	Kern					
TSD EPA ID:	NVT330010000					
TSD County Code:	99					
TSD County:	Unknown					
State Waste Code:	352					
State Waste Code Desc.:	Other organic solids					
Method Code:	H132					
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)					
Tons:	0.02					
Year:	2013					
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<u>1</u>	46 of 149	W	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XX 1037 170TH ST W ROSAMOND CA 935607000	HAZNET
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SIC Code:		Mailing City:	ROSAMOND
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002723828	Mailing Zip:	93560
Create Date:	3/19/2013	Region Code:	1
Fac Act Ind:	No	Owner Name:	SOLAR STAR XX
Inact Date:	6/18/2013	Owner Addr 1:	666 GRAND AVE
County Code:	15	Owner Addr 2:	SUITE 500
County Name:	Kern	Owner City:	DES MOINES
Mail Name:		Owner State:	IA
Mailing Addr 1:	15637 AVENUE A	Owner Zip:	503092506
Mailing Addr 2:		Owner Phone:	7123550932
Owner Fax:			

Contact Information

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Contact Name: JAMES GRAFTON

Street Address 1: 15637 AVENUE A

Street Address 2:

City: ROSAMOND

State: CA

Zip: 93560

Phone: 7123550932

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Tanner Information		--				
Generator EPA ID:		CAC002723828				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc.:		Unspecified solvent mixture				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.828				
Year:		2013				
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1	47 of 149	ESE	0.00 / 0.00	2,436.50 / -124	GUS ZEPEDA 71405 90TH ST W LANCASTER CA 93534	HAZNET
SIC Code:				Mailing City:	CORONA	
NAICS Code:				Mailing State:	CA	
EPA ID:		CAC002642933		Mailing Zip:	928800993	
Create Date:		6/3/2009		Region Code:	3	
Fac Act Ind:		No		Owner Name:	GUS ZEPEDA	
Inact Date:		12/1/2009		Owner Addr 1:	13657 GREAT FALLS ST	
County Code:		19		Owner Addr 2:		
County Name:		Los Angeles		Owner City:	CORONA	
Mail Name:				Owner State:	CA	
Mailing Addr 1:		13657 GREAT FALLS ST		Owner Zip:	928800993	
Mailing Addr 2:				Owner Phone:	6264829214	
Owner Fax:						
Contact Information		--				
Contact Name:		GUS ZEPEDA				
Street Address 1:		13657 GREAT FALLS ST				
Street Address 2:						
City:		CORONA				
State:		CA				
Zip:		928800993				
Phone:		6264829214				
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Tanner Information		--				
Generator EPA ID:		CAC002642933				
Generator County Code:		19				
Generator County:		Los Angeles				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		222				
State Waste Code Desc.:		Oil/water separation sludge				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.834				
Year:		2009				
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1	48 of 149	WSW	0.00 / 0.00	2,436.50 / -124	MARITORENA FARMS 418 155TH ST W ROSAMOND CA 93560	HAZNET
SIC Code:		3523,3535		Mailing City:	BAKERSFIELD	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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NAICS Code:	333922				Mailing State:	CA
EPA ID:	CAL000381036				Mailing Zip:	933076261
Create Date:	12/17/2012				Region Code:	1
Fac Act Ind:	Yes				Owner Name:	MARITORENA FARMS
Inact Date:					Owner Addr 1:	300 PANAMA RD
County Code:	15				Owner Addr 2:	
County Name:	Kern				Owner City:	BAKERSFIELD
Mail Name:					Owner State:	CA
Mailing Addr 1:	300 PANAMA RD				Owner Zip:	933076261
Mailing Addr 2:					Owner Phone:	6618330329
Owner Fax:	6613971409					
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Contact Information						
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Contact Name:		MARIE MARITORENA				
Street Address 1:		300 PANAMA RD				
Street Address 2:						
City:		BAKERSFIELD				
State:		CA				
Zip:		93307				
Phone:		6613039552				
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<u>1</u>	49 of 149	WNW	0.00 / 0.00	2,436.50 / -124	1X CHEVRON USA_#STA 2833 20702 ROSAMOND BLVD ROSAMOND CA 935690000	HAZNET
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SIC Code:					Mailing City:	LA HABRA
NAICS Code:					Mailing State:	CA
EPA ID:	CAC000268529				Mailing Zip:	906322833
Create Date:	4/13/1990				Region Code:	1
Fac Act Ind:	No				Owner Name:	CHEVRON USA
Inact Date:	10/25/2000				Owner Addr 1:	--
County Code:	15				Owner Addr 2:	
County Name:	Kern				Owner City:	--
Mail Name:					Owner State:	99
Mailing Addr 1:	P O BOX 2833				Owner Zip:	--
Mailing Addr 2:					Owner Phone:	0000000000
Owner Fax:						
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Contact Information						
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Contact Name:		LIBBY HADLEY				
Street Address 1:		--				
Street Address 2:						
City:		--				
State:		99				
Zip:		--				
Phone:		2136947452				
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<u>1</u>	50 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SOUTHERN CALIFORNIA EDISON 170TH ST W & ROSAMOND ROSAMOND CA 93560	HAZNET
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SIC Code:					Mailing City:	ROSEMEAD
NAICS Code:					Mailing State:	CA
EPA ID:	CAC002664370				Mailing Zip:	917700000
Create Date:	3/21/2011				Region Code:	1
Fac Act Ind:	No				Owner Name:	SOUTHERN CALIFORNIA EDISON
Inact Date:	9/18/2011				Owner Addr 1:	PO BOX 800
County Code:	15				Owner Addr 2:	GO1 QUAD 3A
County Name:	Kern				Owner City:	ROSEMEAD
Mail Name:	ENV HEALTH & SAFETY				Owner State:	CA
Mailing Addr 1:	PO BOX 800				Owner Zip:	917700000
Mailing Addr 2:	GO1 QUAD 3A				Owner Phone:	6268628458
Owner Fax:	6263022031					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contact Information						
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Contact Name:		SARA M. DUVALL				
Street Address 1:		PO BOX 800				
Street Address 2:		GO1 QUAD 3A				
City:		ROSEMEAD				
State:		CA				
Zip:		917700000				
Phone:		6268628458				
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Tanner Information						
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Generator EPA ID:		CAC002664370				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAT080013352				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		343				
State Waste Code Desc.:		Unspecified organic liquid mixture				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		4.08				
Year:		2011				
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<u>1</u>	51 of 149	E	0.00 / 0.00	2,436.50 / -124	1X WILMAR FARMS 1747 100TH STREET WEST ROSAMOND CA 935300000	HAZNET
SIC Code:				Mailing City:	BAKERSFIELD	
NAICS Code:				Mailing State:	CA	
EPA ID:	CAC000674880			Mailing Zip:	933890000	
Create Date:	3/3/1992			Region Code:	1	
Fac Act Ind:	No			Owner Name:	WILLIAM KECK, III	
Inact Date:	10/25/2000			Owner Addr 1:	--	
County Code:	15			Owner Addr 2:	--	
County Name:	Kern			Owner City:	--	
Mail Name:				Owner State:	99	
Mailing Addr 1:	P.O. BOX 10514			Owner Zip:	--	
Mailing Addr 2:				Owner Phone:	0000000000	
Owner Fax:						
Contact Information						
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Contact Name:		JERRY HALE				
Street Address 1:		--				
Street Address 2:		--				
City:		--				
State:		99				
Zip:		--				
Phone:		8055895570				
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<u>1</u>	52 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR SOLAR PROJECT MORTENSON CONSTRUCTION 15637 W AVENUE A ROSAMOND CA 93560	HAZNET
SIC Code:	1629,7353,8741			Mailing City:	ROSAMOND	
NAICS Code:	23499			Mailing State:	CA	
EPA ID:	CAL000389059			Mailing Zip:	935600000	
Create Date:	8/29/2013			Region Code:	1	
Fac Act Ind:	No			Owner Name:	MORTENSON CONSTRUCTION	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Inact Date:		6/30/2015			Owner Addr 1:	700 MEADOW LN N
County Code:		15			Owner Addr 2:	
County Name:		Kern			Owner City:	MINNEAPOLIS
Mail Name:					Owner State:	MN
Mailing Addr 1:		15637 W AVENUE A			Owner Zip:	554224837
Mailing Addr 2:					Owner Phone:	7635522100
Owner Fax:		7632875581				
Contact Information						
Contact Name:		WIL HOXIE				
Street Address 1:		15637 W AVENUE A				
Street Address 2:						
City:		ROSAMOND				
State:		CA				
Zip:		935600000				
Phone:		7632873460				
Tanner Information						
Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD099452708				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		1.14				
Year:		2014				
Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.836				
Year:		2013				
Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H039				
Method Description:		OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT				
Tons:		0.57				
Year:		2014				
Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		2.546				
Year:		2014				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		221				
State Waste Code Desc.:		Waste oil and mixed oil				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		2.09				
Year:		2015				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.75				
Year:		2013				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.05				
Year:		2014				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.4				
Year:		2014				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		AZR000506980				
TSD County Code:		99				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
TSD County:		Unknown				
State Waste Code:		223				
State Waste Code Desc.:		Unspecified oil-containing waste				
Method Code:						
Method Description:						
Tons:		1.45				
Year:		2015				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD008252405				
TSD County Code:		19				
TSD County:		Los Angeles				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H061				
Method Description:		FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE				
Tons:		0.15				
Year:		2013				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		331				
State Waste Code Desc.:		Off-specification, aged or surplus organics				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		0.264				
Year:		2015				
--		--				
Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		NVT330010000				
TSD County Code:		99				
TSD County:		Unknown				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H132				
Method Description:		LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)				
Tons:		0.15				
Year:		2014				
--		--				
Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		352				
State Waste Code Desc.:		Other organic solids				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		3.725				
Year:		2014				
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Generator EPA ID:		CAL000389059				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<i>State Waste Code:</i>		352				
<i>State Waste Code Desc.:</i>		Other organic solids				
<i>Method Code:</i>		H141				
<i>Method Description:</i>		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
<i>Tons:</i>		0.25				
<i>Year:</i>		2015				
<i>--</i>		--				

1	54 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XIX 418 155TH ST W ROSAMOND CA 935607182	HAZNET
SIC Code:			Mailing City:			ROSAMOND
NAICS Code:			Mailing State:			CA
EPA ID:			Mailing Zip:			935607567
Create Date:			Region Code:			1
Fac Act Ind:			Owner Name:			SOLAR STAR XIX
Inact Date:			Owner Addr 1:			666 GRAND AVE STE 500
County Code:			Owner Addr 2:			
County Name:			Owner City:			DES MOINES
Mail Name:			Owner State:			IA
Mailing Addr 1:			Owner Zip:			503092511
Mailing Addr 2:			Owner Phone:			7123550932
Owner Fax:						
Contact Information						
--						
Contact Name:			JAMES GRAFTON			
Street Address 1:			15637 W AVENUE A			
Street Address 2:						
City:			ROSAMOND			
State:			CA			
Zip:			935607567			
Phone:			7123550932			
--						
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Tanner Information						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Generator EPA ID:		CAC002761478				
Generator County Code:		15				
Generator County:		Kern				
TSD EPA ID:		CAD982444481				
TSD County Code:		36				
TSD County:		San Bernardino				
State Waste Code:		611				
State Waste Code Desc.:		Contaminated soil from site clean-up				
Method Code:		H141				
Method Description:		STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)				
Tons:		1.6				
Year:		2014				
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<u>1</u>	55 of 149	NE	0.00 / 0.00	2,436.50 / -124	ORANIC CHOICE LTD 12622 HOLIDAY AVE ROSAMOND CA 935600000	HAZNET
SIC Code:		9641	Mailing City:		LAMONT	
NAICS Code:		92614	Mailing State:		CA	
EPA ID:		CAL000214978	Mailing Zip:		932410000	
Create Date:		12/3/1999	Region Code:		1	
Fac Act Ind:		No	Owner Name:		MIKE DUNCAN	
Inact Date:		6/30/2001	Owner Addr 1:		12000 MAIN ST	
County Code:		15	Owner Addr 2:			
County Name:		Kern	Owner City:		LAMONT	
Mail Name:		TERESSA MOODY/BOOKKEEPER	Owner State:		CA	
Mailing Addr 1:		12000 MAIN ST	Owner Zip:		932410000	
Mailing Addr 2:			Owner Phone:		6618452296	
Owner Fax:						

Contact Information

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Contact Name: MIKE DUNCAN/OWNER

Street Address 1: INACTIVE PER VQ01 - BMI

Street Address 2:

City: LAMONT

State: CA

Zip: 932410000

Phone: 6618452296

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Tanner Information

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Generator EPA ID: CAL000214978

Generator County Code: 15

Generator County: Kern

TSD EPA ID: AZC980813022

TSD County Code: 99

TSD County: Unknown

State Waste Code: 221

State Waste Code Desc.: Waste oil and mixed oil

Method Code: R01

Method Description: Recycler

Tons: 0

Year: 2000

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<u>1</u>	56 of 149	WNW	0.00 / 0.00	2,436.50 / -124	20702 ROSAMOND BLVD ROSAMOND CA 935690000	HIST MANIFEST
Gen EPA ID:		CAC000268529				
Create Date:		4/13/1990 0:00:00				
Inact Date:		10/25/2000 0:00:00				
Facility Mail Street:		P O BOX 2833				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility Mail City:		LA HABRA				
Facility Mail State:		CA				
Facility Mail Zip:		906322833				
Contact Phone(s):		2136947452				
File Year(s):		1990				
Contact Name(s):		LIBBY HADLEY				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1990				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		15				
Tsd County:		Kern				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD980883177				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1990				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		1				
Tsd County Code:		15				
Tsd County:		Kern				
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		CAD980883177				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1990				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD067786749				
<u>Tanner Information</u>						
Method Description:						
Tons:		2				
Year:		1990				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		D80				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		151				
State Waste Code Desc:		Asbestos containing waste				
Tsd Epa ID:		CAD067786749				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	57 of 149	WNW	0.00 / 0.00	2,436.50 / -124	W 170 ST W ROSAMOND BLVD ROSAMOND CA 935600000	HIST MANIFEST

Gen EPA ID: CAD980885305
Create Date: 11/12/1986 0:00
Inact Date:
Facility Mail Street: ONE HORNET WAY PA12/W2
Facility Mail City: EL SEGUNDO
Facility Mail State: CA
Facility Mail Zip: 902450000
Contact Phone(s): 3103326925
File Year(s): 1985; 1986; 1987; 1988; 1989; 1990; 1991
Contact Name(s): JOSEPH BEHEN

Tanner Information

Method Description:
Tons: 3.58
Year: 1989
Generator County Code: 15
Generator County: Kern
Method Code: D99
Tsd County Code: 37
Tsd County: San Diego
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAD095894556

Tanner Information

Method Description:
Tons: 0.17
Year: 1991
Generator County Code: 15
Generator County: Kern
Method Code: R01
Tsd County Code: 30
Tsd County: Orange
State Waste Code: 342
State Waste Code Desc: Organic liquids with metals (see 121)
Tsd Epa ID: CAT000624999

Tanner Information

Method Description:
Tons: 20.85
Year: 1986
Generator County Code: 15
Generator County: Kern
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 223
State Waste Code Desc: Unspecified oil-containing waste
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 15
Generator County: Kern
Method Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		42				
Tsd County:		Santa Barbara				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD020748125				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.5				
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		99				
Tsd County Code:		37				
Tsd County:		San Diego				
State Waste Code:		351				
State Waste Code Desc:		Organic solids with halogens				
Tsd Epa ID:		CAD095894556				
<u>Tanner Information</u>						
Method Description:						
Tons:		1.52				
Year:		1990				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		223				
State Waste Code Desc:		Unspecified oil-containing waste				
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Method Description:

Tons: 0
Year: 1985
Generator County Code: 15
Generator County: Kern
Method Code:
Tsd County Code: 13
Tsd County: Imperial
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD000633164

Tanner Information

Method Description:

Tons: 0.25
Year: 1985
Generator County Code: 15
Generator County: Kern
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:

Tons: 0.12
Year: 1985
Generator County Code: 15
Generator County: Kern
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:

Tons: 1.1
Year: 1987
Generator County Code: 15
Generator County: Kern
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 221
State Waste Code Desc: Waste oil and mixed oil
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:

Tons: 0.16
Year: 1989
Generator County Code: 15
Generator County: Kern
Method Code:
Tsd County Code: 37

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Tsd County:		San Diego				
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		CAD095894556				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0.08				
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		99				
Tsd County Code:		37				
Tsd County:		San Diego				
State Waste Code:		343				
State Waste Code Desc:		Unspecified organic liquid mixture				
Tsd Epa ID:		CAD095894556				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0.5				
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		D99				
Tsd County Code:		37				
Tsd County:		San Diego				
State Waste Code:		351				
State Waste Code Desc:		Organic solids with halogens				
Tsd Epa ID:		CAD095894556				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1991				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		30				
Tsd County:		Orange				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAT000624999				
 <u>Tanner Information</u>						
Method Description:						
Tons:		183.64				
Year:		1985				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		D83				
Tsd County Code:		13				
Tsd County:		Imperial				
State Waste Code:		611				
State Waste Code Desc:		Contaminated soil from site clean-up				
Tsd Epa ID:		CAD000633164				
 <u>Tanner Information</u>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Method Description:						
Tons:		0				
Year:		1985				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		3.33				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		11.7				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		3				
Tsd County Code:		42				
Tsd County:		Santa Barbara				
State Waste Code:		611				
State Waste Code Desc:		Contaminated soil from site clean-up				
Tsd Epa ID:		CAD020748125				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1986				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		99				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		CAD008302903				
<u>Tanner Information</u>						
Method Description:						
Tons:		39.2				
Year:		1985				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		6				
Tsd County Code:		13				
Tsd County:		Imperial				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Waste Code:		611				
State Waste Code Desc:		Contaminated soil from site clean-up				
Tsd Epa ID:		CAD000633164				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.12				
Year:		1985				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		D80				
Tsd County Code:		42				
Tsd County:		Santa Barbara				
State Waste Code:		211				
State Waste Code Desc:		Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)				
Tsd Epa ID:		CAD020748125				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAT080013352				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		37				
Tsd County:		San Diego				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD095894556				
<u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		99				
Tsd County:		Unknown				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		UTD991301748				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tons:		21.91				
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		D80				
Tsd County Code:		99				
Tsd County:		Unknown				
State Waste Code:		352				
State Waste Code Desc:		Other organic solids				
Tsd Epa ID:		UTD991301748				

Tanner Information

Method Description:

Tons:	0
Year:	1985
Generator County Code:	15
Generator County:	Kern
Method Code:	
Tsd County Code:	0
Tsd County:	
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD000633516

Tanner Information

Method Description:

Tons:	18.18
Year:	1985
Generator County Code:	15
Generator County:	Kern
Method Code:	6
Tsd County Code:	0
Tsd County:	
State Waste Code:	611
State Waste Code Desc:	Contaminated soil from site clean-up
Tsd Epa ID:	CAD000633516

Tanner Information

Method Description:

Tons:	0
Year:	1985
Generator County Code:	15
Generator County:	Kern
Method Code:	
Tsd County Code:	42
Tsd County:	Santa Barbara
State Waste Code:	
State Waste Code Desc:	
Tsd Epa ID:	CAD020748125

Tanner Information

Method Description:

Tons:	0
Year:	1987
Generator County Code:	15
Generator County:	Kern
Method Code:	
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1986				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD008302903				
 <u>Tanner Information</u>						
Method Description:						
Tons:		1.45				
Year:		1986				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		99				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		214				
State Waste Code Desc:		Unspecified solvent mixture				
Tsd Epa ID:		CAD008302903				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0.4				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		R01				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		352				
State Waste Code Desc:		Other organic solids				
Tsd Epa ID:		CAD008302903				
 <u>Tanner Information</u>						
Method Description:						
Tons:		0				
Year:		1988				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		1				
Tsd County Code:		19				
Tsd County:		Los Angeles				
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		CAT080013352				
 <u>Tanner Information</u>						
Method Description:						
Tons:		1.31				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Year:		1989				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		D99				
Tsd County Code:		37				
Tsd County:		San Diego				
State Waste Code:		343				
State Waste Code Desc:		Unspecified organic liquid mixture				
Tsd Epa ID:		CAD095894556				

Tanner Information

Method Description:
Tons: 8.25
Year: 1989
Generator County Code: 15
Generator County: Kern
Method Code: H01
Tsd County Code: 37
Tsd County: San Diego
State Waste Code: 351
State Waste Code Desc: Organic solids with halogens
Tsd Epa ID: CAD095894556

Tanner Information

Method Description:
Tons: 0.22
Year: 1985
Generator County Code: 15
Generator County: Kern
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008302903

1	58 of 149	E	0.00 / 0.00	2,436.50 / -124	1747 100TH STREET WEST ROSAMOND CA 935300000
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**HIST
MANIFEST**

Gen EPA ID: CAC000674880
Create Date: 03/03/1992 0:00
Inact Date: 10/25/2000 0:00:00
Facility Mail Street: P.O. BOX 10514
Facility Mail City: BAKERSFIELD
Facility Mail State: CA
Facility Mail Zip: 933890000
Contact Phone(s): 8055895570
File Year(s): 1992
Contact Name(s): JERRY HALE

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 15
Generator County: Kern
Method Code:
Tsd County Code: 15
Tsd County: Kern
State Waste Code:
State Waste Code Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tsd Epa ID:		CAD980883177				
<u>Tanner Information</u>						
Method Description:						
Tons:		0.83				
Year:		1992				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		R01				
Tsd County Code:		15				
Tsd County:		Kern				
State Waste Code:		221				
State Waste Code Desc:		Waste oil and mixed oil				
Tsd Epa ID:		CAD980883177				
<u>1</u>	59 of 149	SW	0.00 / 0.00	2,436.50 / -124	BIO-GRO SYSTEMS-LANCASTER 140TH ST WEST AND AVE A LANCASTER CA 93534	FINDS/FRS
Registry ID:		110065234990				
FIPS Code:						
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		10-OCT-15				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		CALEPA				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060379012091005				
EPA Region Code:		09				
County Name:		LOS ANGELES				
US/Mexico Border Ind:						
Latitude:		34.815468				
Longitude:		-118.38794				
Reference Point:						
Coord Collection Method:		UNKNOWN				
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065234990				
Program Acronyms:						
CA-ENVIROVIEW:249193						

1	60 of 149	ESE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR 1 (LOS ANGELES COUNTY SIDE) 14900 WEST AVENUE A LANCASTER CA 93536	FINDS/FRS
Registry ID:		110065178408				
FIPS Code:						
HUC Code:		18090206				
Site Type Name:		STATIONARY				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Description: Supplemental Location: Create Date: 10-OCT-15 Update Date: Interest Types: STATE MASTER SIC Codes: 4911 SIC Code Descriptions: ELECTRIC SERVICES NAICS Codes: 221114 NAICS Code Descriptions: Conveyor: CALEPA Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061797 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.8192 Longitude: -118.4062 Reference Point: Coord Collection Method: INTERPOLATION-MAP Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065178408 Program Acronyms:						
CA-ENVIROVIEW:68822						

1	61 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD SOLAR 501 170TH ST W ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110065958431 FIPS Code: HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 14-OCT-15 Update Date: Interest Types: STATE MASTER SIC Codes: 4911 SIC Code Descriptions: ELECTRIC SERVICES NAICS Codes: NAICS Code Descriptions: Conveyor: FRS-GEOCODE Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061788 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.82603 Longitude: -118.43165 Reference Point: ENTRANCE POINT OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 50 Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065958431						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Acronyms:						
CA-ENVIROVIEW:273164						
1	62 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SOUTHERN CALIFORNIA EDISON WHIRLWIND SUBSTATION 3493 170TH STREET WEST ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110066568921				
FIPS Code:						
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		14-OCT-15				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:		4911				
SIC Code Descriptions:		ELECTRIC SERVICES				
NAICS Codes:		221122				
NAICS Code Descriptions:		ELECTRIC POWER DISTRIBUTION.				
Conveyor:		FRS-GEocode				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060290055061367				
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:		34.86963				
Longitude:		-118.432268				
Reference Point:		ENTRANCE POINT OF A FACILITY OR STATION				
Coord Collection Method:		ADDRESS MATCHING-HOUSE NUMBER				
Accuracy Value:		50				
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066568921				
Program Acronyms:						
CA-ENVIROVIEW:155413						

1	63 of 149	NE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR 2 11936 ROSAMOND BLVD ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110066555864				
FIPS Code:						
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		14-OCT-15				
Update Date:						
Interest Types:		STATE MASTER				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		FRS-GEocode				
Federal Facility Code:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061330 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.86127 Longitude: -118.34306 Reference Point: CENTER OF A FACILITY OR STATION Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER Accuracy Value: 30 Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066555864 Program Acronyms: CA-ENVIROVIEW:68823						

1	64 of 149	SW	0.00 / 0.00	2,436.50 / -124	SOARING VISTA RANCH COMPOSTING AVE A 140 ST W. LANCASTER CA 93534	FINDS/FRS
Registry ID: 110065565686 FIPS Code: HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 13-OCT-15 Update Date: Interest Types: STATE MASTER SIC Codes: 2875 SIC Code Descriptions: FERTILIZERS, MIXING ONLY NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: LOS ANGELES COUNTY US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065565686 Program Acronyms: CA-ENVIROVIEW:347648						

1	65 of 149	NNE	0.00 / 0.00	2,436.50 / -124	GRIMMWAY - BOZIGIAN YARD 12492 ROSAMOND BLVD ROSAMOND CA	KERN CUPA
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Facility ID:	FA0005752	CERS ID:	
Mailing Address:	PO BOX 81498	Mailing State:	CA
Mailing Address 2:		Mailing Zip:	933801498
Mailing City:	BAKERSFIELD		

Detail(s)

Billing Status:	Inactive, non-billable	Prog Element Code:	CB3T
Current Inspection Dt:	10/1/2017	Program Element:	BUS PLAN LARGE LOW RISK 1 UNIT
HMIRRP Due Date:	8/31/2013	Employee:	CUPA 9
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory		

Detail(s)

Billing Status:	Inactive, non-billable	Prog Element Code:	CG07
Current Inspection Dt:	10/1/2017	Program Element:	SMALL QUANTITY HAZARDOUS WASTE GENERATOR
HMIRRP Due Date:		Employee:	CUPA 9
Report Source:	CUPA - Hazardous Waste (HW) Facilities		

<u>1</u>	66 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Solar Star California 15701 Avenue A Rosamond CA 93560	CHMIRS
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Control No:	16-3206	Notified Date:	
Notified Date Time:		Year:	2016
County:	Kern County		
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/b8d1e944ebf8afe888257fc20076df70?OpenDocument		

Spill Report View

Amount 1:		Creation Date:	05/29/2016 06:27 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	CHEMICAL,PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date:	05/29/2016
Notify Time:	1438
Occurrence Date:	05/29/2016
Occurrence Time:	1225
Upd Known Impact:	
Update Cause:	
Pers Notifying Upd Place:	
Pers Notifying Upd Nme:	
Phone No:	
Ext:	
Pag Cell:	
Fax Notifi List:	AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS
Person Notifying Cal OES	Solar Star California
Agenc:	
Person Reporting Spill Agency:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Op Area:		Kern County				
Unknown Header:		KERN COUNTY APCD				
Substance 1:		Mineral Oil (Non-PCB)				
Qty Amount 1:		13,000				
Measure 1:		Gal(s)				
Type 1:		CHEMICAL, PETROLEUM				
Other 1:						
Pipeline 1:		No				
Vessel >= 300 Tons 1:		No				
Substance 2:						
Qty Amount 2:						
Measure 2:						
Type 2:						
Other 2:						
Pipeline 2:		No				
Vessel >= 300 Tons 2:		No				
Substance 3:						
Qty Amount 3:						
Measure 3:						
Type 3:						
Other 3:						
Pipeline 3:		No				
Vessel >= 300 Tons 3:		No				
Administering Agency:		Kern Co. Environmental Health Services Department				
Secondary Agency:						
Additional Counties:						
Additional Admin Agency:						
Other Notified:						
RWQCB Unit:		6B				
Confirmation Request:						
Fax Notification List 2:						
Administering Agency 2:						
Additional Admin Agency 2:						
Secondary Agency 2:						
Additional Counties 2:						
DOG Unit:						
RWQCB Unit 2:						
Doc URL:		https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/febcbfc7cab4c358a88257fc30007ff21?OpenDocument				

NRC:

Update Description:

Situation Update:

Per the caller they released all the LA County resources. The fire is still burning, will reevaluate in the morning, road closure on Avenue A between 130thW and 170thW, at 0800 meeting with plant manager to reevaluate actions.

Original Description:

RP advises that a pad mounted transformer is on fire at the time of this report. The fire has caused the potential release of less than 13,000 gallons of the substance onto gravel in the substation. Fire Department is on scene letting the fire burn itself out. No eta for completion of clean up at this time. CUPA has been notified and are on scene.

OES Hazardous Materials Update Quantities

Amount:

Measure: Gal(s)

Spill Report View

Amount 1:

Amount 2:

Amount 3:

Type: CHEMICAL,PETROLEUM

Water:

On Scene:

Creation Date:

05/29/2016 02:38 PM

Received By:

Admin Agency:

Admin Agency 2:

Additional County:

Phone No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Utilities/Substation
Cause Desc for Other:
Person Notifying Cal OES:

Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 16-3206
Control NRC:
Date : 05/29/2016
Incident Date: 05/29/2016
Time: 1438
Incident Time: 1225
Water Involved: No
Drink Wtr Impact: No
Qty 1: <
Measure 1: Gal(s)
Type 1: CHEMICAL, PETROLEUM
Pipeline 1: No
Ves >= 300 Tons 1: No
Qty 2: =
Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tns 2: No
Qty 3: =
Amount 3:
Measure 3:
Incident Location: 15701 Avenue A
Reported Cause: Unknown
Amount 1: 13,000
Substance 1: Mineral Oil (Non-PCB)
Substance 2:
Substance 3:
Waterway:
Contained: Yes
Known Impact:
Other 1:
Detail for Other:
Site: Utilities/Substation
On Scene: Fire Dept.
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: Contractor
Agency: Solar Star California
PRS Agency:
Admin Agency: Kern Co. Environmental Health Services Department
Sec Agency:
Additional County:
Admin Agency 2:

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:
PRS Ext:
PRS Pag Cell:
Received By:
Header Unknown: KERN COUNTY APCD
Incident Desc:
R R Crssing < 50 Ft:
Uprrr Rim :
Notification Info:
Notification List:
DOG Unit:
RWQCB Unit: 6B
Injuries: No
Fatality: No

Description: RP advises that a pad mounted transformer is on fire at the time of this report. The fire has caused the potential release of less than 13,000 gallons of the substance onto gravel in the substation. Fire Department is on scene letting the fire burn itself out. No eta for completion of clean up at this time. CUPA has been notified and are on scene.

1	67 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Project_Phase 2_ 14874 Holiday Ave Rosamond CA	KERN CUPA
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Facility ID:	FA0043587	CERS ID:	10661287
Mailing Address:	14874 Holiday Avenue	Mailing State:	CA
Mailing Address 2:		Mailing Zip:	93560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing City:		Rosamond				
<u>Detail(s)</u>						
Billing Status:	Active, billable			Prog Element Code:	CB2T	
Current Inspection Dt:	9/1/2022			Program Element:	BUS PLAN MED LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
<u>1</u>	68 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Project_Phase 3 14874 Holiday Ave Rosamond CA	KERN CUPA
Facility ID:	FA0044018			CERS ID:	10711024	
Mailing Address:	14874 Holiday Avenue			Mailing State:	CA	
Mailing Address 2:				Mailing Zip:	93560	
Mailing City:	Rosamond					
<u>Detail(s)</u>						
Billing Status:	Active, billable			Prog Element Code:	CB2T	
Current Inspection Dt:	12/1/2022			Program Element:	BUS PLAN MED LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
<u>1</u>	69 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Project_Phase 1_ 14874 Holiday Ave Rosamond CA	KERN CUPA
Facility ID:	FA0043586			CERS ID:	10670011	
Mailing Address:	14874 Holiday Ave			Mailing State:	CA	
Mailing Address 2:				Mailing Zip:	93560	
Mailing City:	Rosamond					
<u>Detail(s)</u>						
Billing Status:	Active, billable			Prog Element Code:	CB2T	
Current Inspection Dt:	9/1/2022			Program Element:	BUS PLAN MED LOW RISK 1 UNIT	
HMIRRP Due Date:				Employee:	CUPA 9	
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory					
<u>1</u>	70 of 149	WSW	0.00 / 0.00	2,436.50 / -124	FIRST SOLAR ELECTRIC 501 170TH ST W ROSAMOND CA 935604500	HAZNET
SIC Code:	4911,4931,4939			Mailing City:	TEMPE	
NAICS Code:	221122			Mailing State:	AZ	
EPA ID:	CAC002848371			Mailing Zip:	852811495	
Create Date:	2/10/2016			Region Code:	1	
Fac Act Ind:	No			Owner Name:	KINGBIRD SOLAR A, LLC	
Inact Date:	5/12/2016			Owner Addr 1:	501 170TH ST W	
County Code:	15			Owner Addr 2:		
County Name:	Kern			Owner City:	ROSAMOND	
Mail Name:				Owner State:	CA	
Mailing Addr 1:	350 W WASHINGTON ST			Owner Zip:	935604500	
Mailing Addr 2:				Owner Phone:	5593629444	
Owner Fax:						
Contact Information						
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Contact Name:	SUSAN JENNINGS					
Street Address 1:	49881 170TH STREET WEST					
Street Address 2:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City: State: Zip: Phone: --		LANCASTER CA 93536 5593629444 --				
1	71 of 149	WSW	0.00 / 0.00	2,436.50 / -124	FIRST SOLAR (KINGBIRD SOLAR B CONSTRUCTION) 501 170TH ST W ROSAMOND CA 935604500	HAZNET
SIC Code: NAICS Code: EPA ID: Create Date: Fac Act Ind: Inact Date: County Code: County Name: Mail Name: Mailing Addr 1: Mailing Addr 2: Owner Fax:	1629,8741 23493 CAC002860699 5/12/2016 No 8/12/2016 15 Kern 350 W WASHINGTON ST STE 600 			Mailing City: Mailing State: Mailing Zip: Region Code: Owner Name: Owner Addr 1: Owner Addr 2: Owner City: Owner State: Owner Zip: Owner Phone:	TEMPE AZ 852811496 1 KINGBIRD SOLAR B C/O FIRST SOLAR 11757 KATY FWY STE 400 HOUSTON TX 770791719 2815096200	
Contact Information --	--					
Contact Name: Street Address 1: Street Address 2: City: State: Zip: Phone: --	SUSAN JENNINGS 49881 170TH STREET WEST LANCASTER CA 93536 5593629444 --					
1	72 of 149	ESE	0.00 / 0.00	2,436.50 / -124	Solar Star 1 (Los Angeles County side) 14900 WEST AVENUE A LANCASTER CA 93536	CERS HAZ
Site ID: Latitude: Longitude: County:	68822 34.819200 -118.406200 Kern County					
<u>Regulated Programs</u>						
EI ID:	10511059			EI Description:	Chemical Storage Facilities	
<u>Evaluations</u>						
Eval Date: Violations Found: Eval General Type: Eval Type: Eval Division: Eval Program: Eval Source: Eval Notes:	12/18/2017 No Compliance Evaluation Inspection Routine done by local agency Los Angeles County Fire Department HMRRP CERS					

Joe Bannon, Manager of Project Administration No violations observed at time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>Affiliations</u>						
Affil Type Desc:		Legal Owner				
Entity Name:		Solar Star California XIX, LLC				
Entity Title:						
Address:		15637 Avenue A				
City:		Rosamond				
State:		CA				
Country:		United States				
Zip Code:		93560				
Phone:		(661) 749-0931				
Affil Type Desc:		Environmental Contact				
Entity Name:		Wendy Greene				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						
Affil Type Desc:		Parent Corporation				
Entity Name:		Solar Star California XIX, LLC				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Bob Johnston				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Bob Johnston				
Entity Title:		Manager				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Los Angeles County Fire				
Entity Title:						
Address:		5825 Rickenbacker Road				
City:		Commerce				
State:		CA				
Country:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip Code:		90040-3027				
Phone:		(323) 890-4000				
Affil Type Desc:		Property Owner				
Entity Name:		Solar Star California XIX, LLC				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:		United States				
Zip Code:		93560				
Phone:		(661) 749-0931				
Affil Type Desc:		Operator				
Entity Name:		SunPower Corporation				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(661) 256-2246				
1	73 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Kingbird Solar B LLC 501 170TH ST W N ROSAMOND CA 93560	CERS HAZ
Site ID:		426257				
Latitude:		34.826170				
Longitude:		-118.431730				
County:		Kern County				
Regulated Programs						
EI ID:		10744549	EI Description:		Chemical Storage Facilities	
EI ID:		10744549	EI Description:		Hazardous Waste Generator	
Evaluations						
Eval Date:		05/21/2019				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
Eval Date:		05/21/2019				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HW				
Eval Source:		CERS				
Eval Notes:						
Affiliations						
Affil Type Desc:		Operator				
Entity Name:		Kingbird Solar B LLC				
Entity Title:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(661) 940-3205				
Affil Type Desc:		Legal Owner				
Entity Name:		Capital Dynamics (Chase Warr)				
Entity Title:						
Address:		8800 North Gainey Center #250				
City:		Scottsdale				
State:		AZ				
Country:		United States				
Zip Code:		85258				
Phone:		(480) 653-8445				
Affil Type Desc:		Parent Corporation				
Entity Name:		Kingbird Solar				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Ryan Nielsen				
Entity Title:						
Address:		350 W Washington EHS Suite 600				
City:		Tempe				
State:		AZ				
Country:						
Zip Code:		85281				
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Ryan Nielsen				
Entity Title:		EHS III				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Ryan Nielsen				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		350 W Washington EHS Suite 600				
City:		Tempe				
State:		AZ				
Country:						
Zip Code:		85281				
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Kern County Environmental Health Services Departme				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Title: Address: 2700 M Street, Suite 300 City: Bakersfield State: CA Country: Zip Code: 93301-2370 Phone: (661) 862-8740						
1	74 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Project_Phase 1_ 14874 HOLIDAY AVE ROSAMOND CA 93560	CERS HAZ

Site ID: 369196
Latitude: 34.848116
Longitude: -118.394352
County: Kern County

Regulated Programs

EI ID: 10670011 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 10/06/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Kern County Env Health Services Department
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 10/24/2016. The hazardous materials inventory submitted in CERS is not accurate. Please add 460 gallons of Diesel fuel. If applicable, add compressed gases (SF6, Helium) and lead acid batteries. Revise inventory and submit in CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 10/06/2016 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Kern County Env Health Services Department
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 10/24/2016. The Site Map submitted electronically in the California Environmental Reporting System (CERS) is not accurate. The map does not show where hazardous materials are stored at the facility (i.e. Diesel fuel, compressed gases and lead acid batteries, if applicable). Please revise the map and submit in CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 10/06/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Date:	09/17/2019
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Affiliations

Affil Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	
Address:	2700 M Street, Suite 300
City:	Bakersfield
State:	CA
Country:	
Zip Code:	93301-2370
Phone:	(661) 862-8740

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	14874 Holiday Ave
City:	Rosamond
State:	CA
Country:	
Zip Code:	93560
Phone:	

Affil Type Desc:	Operator
Entity Name:	SunPower Corporation, Systems
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(512) 735-0715

Affil Type Desc:	Parent Corporation
Entity Name:	Solar Star California XLI, LLC
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	Darrin Greene
Entity Title:	Site Supervisor
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	Darrin Greene
Entity Title:	
Address:	
City:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State: Country: Zip Code: Phone: Affil Type Desc: Environmental Contact Entity Name: Tyler Gergen Entity Title: Address: 14874 Holiday Ave City: Rosamond State: CA Country: Zip Code: 93560 Phone: Affil Type Desc: Legal Owner Entity Name: Solar Star California XLI LLC Entity Title: Address: 8900 Amberglen Blvd. Ste. 325 City: Austin State: TX Country: United States Zip Code: 78729 Phone: (510) 260-6101						
<u>Coordinates</u>						
Env Int Type Code:	HMBP			Longitude:	-118.394350	
Program ID:	10670011			Coord Name:		
Latitude:	34.848120			Ref Point Type Desc:	Center of a facility or station.	
1	75 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SCE Whirlwind Substation 3493 170TH STREET WEST ROSAMOND CA 93560	CERS HAZ
Site ID:	155413					
Latitude:	34.860930					
Longitude:	-118.433620					
County:	Kern County					
<u>Regulated Programs</u>						
EI ID:	10198966			EI Description:	Chemical Storage Facilities	
<u>Evaluations</u>						
Eval Date:	12/15/2017					
Violations Found:	No					
Eval General Type:	Compliance Evaluation Inspection					
Eval Type:	Routine done by local agency					
Eval Division:	Kern County Env Health Services Department					
Eval Program:	HMRRP					
Eval Source:	CERS					
Eval Notes:						
Eval Date:	01/14/2015					
Violations Found:	No					
Eval General Type:	Compliance Evaluation Inspection					
Eval Type:	Routine done by local agency					
Eval Division:	Kern County Env Health Services Department					
Eval Program:	HMRRP					
Eval Source:	CERS					
Eval Notes:						

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Southern California Edison
Entity Title:
Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
City: Rosemead
State: CA
Country: United States
Zip Code: 91770
Phone: (626) 302-1212

Affil Type Desc: Document Preparer
Entity Name: Zachary Spahn
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Southern California Edison
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 302-1212

Affil Type Desc: Environmental Contact
Entity Name: Environmental Notification Center
Entity Title:
Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
City: Rosemead
State: CA
Country:
Zip Code: 91770
Phone:

Affil Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title:
Address: 2700 M Street, Suite 300
City: Bakersfield
State: CA
Country:
Zip Code: 93301-2370
Phone: (661) 862-8740

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
City: Rosemead

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State:		CA				
Country:						
Zip Code:		91770				
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Zachary Spahn				
Entity Title:		Consultant				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Legal Owner				
Entity Name:		Southern California Edison				
Entity Title:						
Address:		P.O. Box 5085 (Attn: ESD, Programs & Governance)				
City:		Rosemead				
State:		CA				
Country:		United States				
Zip Code:		91770				
Phone:		(626) 302-1212				
1	76 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Kingbird Solar A LLC 501 170TH ST W ROSAMOND CA 93560	CERS HAZ
Site ID:		273164				
Latitude:		34.826167				
Longitude:		-118.431727				
County:		Kern County				
<u>Regulated Programs</u>						
EI ID:	10625032			EI Description:	Hazardous Waste Generator	
EI ID:	10625032			EI Description:	Chemical Storage Facilities	
<u>Evaluations</u>						
Eval Date:		10/26/2015				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
Eval Date:		05/21/2019				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
Eval Date:		05/21/2019				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HW				
Eval Source:		CERS				
Eval Notes:						
<u>Affiliations</u>						
Affil Type Desc:		Legal Owner				
Entity Name:		Capital Dynamics (Chase Warr)				
Entity Title:						
Address:		8800 North Gainey Center Drive Suite #250				
City:		Scottsdale				
State:		AZ				
Country:		United States				
Zip Code:		85258				
Phone:		(480) 653-8445				
Affil Type Desc:		Parent Corporation				
Entity Name:		Kingbird Solar				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Ryan Nielsen				
Entity Title:						
Address:		350 W Washington EHS Suite 600				
City:		Tempe				
State:		AZ				
Country:						
Zip Code:		85281				
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Ryan Nielsen				
Entity Title:		EHS III				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Operator				
Entity Name:		Kingbird Solar A, LLC				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(505) 652-0259				
Affil Type Desc:		Document Preparer				
Entity Name:		Ryan Nielsen				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		350 W Washington EHS Suite 600				
City:		Tempe				
State:		AZ				
Country:						
Zip Code:		85281				
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Kern County Environmental Health Services Departme				
Entity Title:						
Address:		2700 M Street, Suite 300				
City:		Bakersfield				
State:		CA				
Country:						
Zip Code:		93301-2370				
Phone:		(661) 862-8740				
 <u>Coordinates</u>						
Env Int Type Code:		HMBP		Longitude:	-118.431710	
Program ID:		10625032		Coord Name:		
Latitude:		34.826170		Ref Point Type Desc:	Center of a facility or station.	
<hr/>						
1	77 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Project_Phase 3 14874 HOLIDAY AVE ROSAMOND CA 93560	CERS HAZ
Site ID:		412180				
Latitude:		34.848116				
Longitude:		-118.394352				
County:		Kern County				
 <u>Regulated Programs</u>						
EI ID:		10711024		EI Description:	Chemical Storage Facilities	
 <u>Evaluations</u>						
Eval Date:		05/09/2017				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
Eval Date:		09/17/2019				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
 <u>Affiliations</u>						
Affil Type Desc:		Legal Owner				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Entity Name:		Golden Fields Solar II, LLC				
Entity Title:						
Address:		8900 Amberglen Blvd. Ste. 325				
City:		Austin				
State:		TX				
Country:		United States				
Zip Code:		78729				
Phone:		(510) 260-6101				
Affil Type Desc:		Property Owner				
Entity Name:		Golden Fields Solar II, LLC				
Entity Title:						
Address:		1414 Harbour Way South				
City:		Richmond				
State:		CA				
Country:		United States				
Zip Code:		94804				
Phone:		(510) 260-8568				
Affil Type Desc:		Document Preparer				
Entity Name:		Darrin Greene				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		14874 Holiday Avenue				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						
Affil Type Desc:		Parent Corporation				
Entity Name:		Rosamond Solar Project_Phase 3				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Darrin Greene				
Entity Title:		Site Supervisor				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Kern County Environmental Health Services Departme				
Entity Title:						
Address:		2700 M Street, Suite 300				
City:		Bakersfield				
State:		CA				
Country:						
Zip Code:		93301-2370				
Phone:		(661) 862-8740				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Affil Type Desc:		Environmental Contact				
Entity Name:		Tyler Gergen				
Entity Title:						
Address:		14874 Holiday Ave				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						
Affil Type Desc:		Operator				
Entity Name:		SunPower Corporation, Systems				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(512) 735-0715				

Coordinates

Env Int Type Code:	HMBP	Longitude:	-118.394350
Program ID:	10711024	Coord Name:	
Latitude:	34.848120	Ref Point Type Desc:	Center of a facility or station.

1	78 of 149	NE	0.00 / 0.00	2,436.50 / -124	Solar Star 2 11936 ROSAMOND BLVD ROSAMOND CA 93560	CERS HAZ
Site ID:		402449				
Latitude:		34.863150				
Longitude:		-118.343120				
County:		Kern County				

Regulated Programs

EI ID:	10458601	EI Description:	Chemical Storage Facilities
EI ID:	10458601	EI Description:	Hazardous Waste Generator

Evaluations

Eval Date:	01/14/2015
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRP
Eval Source:	CERS
Eval Notes:	

Please add a NFPA placard for Diesel on the backup generator as well as a "No smoking" sign.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	02/13/2018
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRP
Eval Source:	CERS
Eval Notes:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Affiliations

Affil Type Desc:	Operator
Entity Name:	SunPower Corporation
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(661) 256-2246
Affil Type Desc:	Document Preparer
Entity Name:	Bob Johnston
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	Environmental Contact
Entity Name:	Wendy Greene
Entity Title:	
Address:	15247 Avenue A
City:	Rosamond
State:	CA
Country:	
Zip Code:	93560
Phone:	
Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	15247 Avenue A
City:	Rosamond
State:	CA
Country:	
Zip Code:	93560
Phone:	
Affil Type Desc:	Property Owner
Entity Name:	Solar Star California XX, LLC
Entity Title:	
Address:	15247 Avenue A
City:	Rosamond
State:	CA
Country:	United States
Zip Code:	93560
Phone:	(661) 256-2246
Affil Type Desc:	Parent Corporation
Entity Name:	Solar Star California XX, LLC
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	Legal Owner
Entity Name:	Solar Star California XX, LLC
Entity Title:	
Address:	15247 Avenue A
City:	Rosamond

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State: CA Country: United States Zip Code: 93560 Phone: (661) 256-2246 Affil Type Desc: Identification Signer Entity Name: Bob Johnston Entity Title: Manager Address: City: State: Country: Zip Code: Phone: Affil Type Desc: CUPA District Entity Name: Kern County Environmental Health Services Departme Entity Title: Address: 2700 M Street, Suite 300 City: Bakersfield State: CA Country: Zip Code: 93301-2370 Phone: (661) 862-8740						
1	79 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Solar Star 1 15637 AVENUE A ROSAMOND CA 93560	CERS HAZ
Site ID: 154563 Latitude: 34.818900 Longitude: -118.409400 County: Los Angeles County						
<u>Regulated Programs</u>						
EI ID: 10458559 EI Description: Chemical Storage Facilities						
<u>Evaluations</u>						
Eval Date: 06/06/2014 Violations Found: No Eval General Type: Compliance Evaluation Inspection Eval Type: Routine done by local agency Eval Division: Kern County Env Health Services Department Eval Program: HMRRP Eval Source: CERS Eval Notes:						
Eval Date: 06/13/2017 Violations Found: No Eval General Type: Compliance Evaluation Inspection Eval Type: Routine done by local agency Eval Division: Kern County Env Health Services Department Eval Program: HMRRP Eval Source: CERS Eval Notes:						
Eval Date: 06/13/2017 Violations Found: No Eval General Type: Compliance Evaluation Inspection Eval Type: Routine done by local agency Eval Division: Kern County Env Health Services Department Eval Program: HW						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Eval Source:		CERS				
Eval Notes:						
<u>Affiliations</u>						
Affil Type Desc:		Document Preparer				
Entity Name:		Bob Johnston				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Environmental Contact				
Entity Name:		Wendy Greene				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Kern County Environmental Health Services Departme				
Entity Title:						
Address:		2700 M Street, Suite 300				
City:		Bakersfield				
State:		CA				
Country:						
Zip Code:		93301-2370				
Phone:		(661) 862-8740				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						
Affil Type Desc:		Parent Corporation				
Entity Name:		Solar Star California XIX, LLC				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Legal Owner				
Entity Name:		Solar Star California XIX, LLC				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:		United States				
Zip Code:		93560				
Phone:		(661) 256-2246				
Affil Type Desc:		Identification Signer				
Entity Name:		Bob Johnston				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Title: Address: City: State: Country: Zip Code: Phone:		Site Manager				
Affil Type Desc: Entity Name: Entity Title: Address: City: State: Country: Zip Code: Phone:		Operator SunPower Corporation (661) 256-2246				

1	80 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Project_Phase 2_ 14874 HOLIDAY AVE ROSAMOND CA 93560	CERS HAZ
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Site ID: 364927
Latitude: 34.848116
Longitude: -118.394352
County: Kern County

Regulated Programs

EI ID:	10661287	EI Description:	Chemical Storage Facilities
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Violations

Violation Date:	10/06/2016	Violation Source:	CERS
Violation Program:	HMRRP	Violation Division:	Kern County Env Health Services Department
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)		
Violation Notes:			

Returned to compliance on 10/24/2016. The Site Map submitted electronically in the California Environmental Reporting System (CERS) is not accurate. The map does not show where the hazardous materials are stored at the facility (i.e. Diesel fuel, compressed gasses and lead acid batteries, if applicable). Please revise the map and submit in CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date:	10/06/2016	Violation Source:	CERS
Violation Program:	HMRRP	Violation Division:	Kern County Env Health Services Department
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)		
Violation Notes:			

Returned to compliance on 10/24/2016. The hazardous materials inventory submitted in CERS is not accurate. Please add 649 gallons of Diesel fuel. If applicable, add compressed gases (SF6, Helium) and lead acid batteries. Revise the inventory and submit in CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Evaluations

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Eval Date:	09/17/2019
Violations Found:	No
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Eval Date:	10/06/2016
Violations Found:	Yes
Eval General Type:	Compliance Evaluation Inspection
Eval Type:	Routine done by local agency
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

Affiliations

Affil Type Desc:	Parent Corporation
Entity Name:	Golden Fields Solar I, LLC
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	Darrin Greene
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	
Address:	2700 M Street, Suite 300
City:	Bakersfield
State:	CA
Country:	
Zip Code:	93301-2370
Phone:	(661) 862-8740

Affil Type Desc:	Operator
Entity Name:	SunPower Corporation, Systems
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(512) 735-0715

Affil Type Desc:	Environmental Contact
Entity Name:	Tyler Gergen
Entity Title:	
Address:	14874 Holiday Ave
City:	Rosamond

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State: CA Country: Zip Code: 93560 Phone: Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 14874 Holiday Avenue City: Rosamond State: CA Country: Zip Code: 93560 Phone: Affil Type Desc: Legal Owner Entity Name: Golden Fields Solar I LLC. Entity Title: Address: 14874 Holiday Ave City: Rosamond State: CA Country: United States Zip Code: 93560 Phone: (510) 260-6101 Affil Type Desc: Identification Signer Entity Name: Darrin Greene Entity Title: Site Supervisor Address: City: State: Country: Zip Code: Phone:						
<u>Coordinates</u>						
Env Int Type Code:	HMBP			Longitude:	-118.394350	
Program ID:	10661287			Coord Name:		
Latitude:	34.848120			Ref Point Type Desc:	Center of a facility or station.	
1	81 of 149	WSW	0.00 / 0.00	2,436.50 / -124	LANCASTER RANCHES INC 150TH ST WEST & GASKELL RD ROSAMOND CA	HIST TANK
Owner Name:	LANCASTER RANCHES INC			No of Containers:	2	
Owner Street:	8320 W AVE D			County:	KERN	
Owner City:	LANCASTER			Facility State:	CA	
Owner State:	CA			Facility Zip:	93560	
Owner Zip:	93534					
1	82 of 149	ESE	0.00 / 0.00	2,436.50 / -124	RITTER & GODDE RANCH 90TH STREET WEST & AVENUE A ROSAMOND CA	HIST TANK
Owner Name:	E.C. RITTER & F.G. GODDE			No of Containers:	4	
Owner Street:	666WEST AVENUE I			County:	KERN	
Owner City:	LANCASTER			Facility State:	CA	
Owner State:	CA			Facility Zip:	93560	
Owner Zip:	93534					
1	83 of 149	NNW	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Array Project 13901 W ROSAMOND BLVD	CERS TANK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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ROSAMOND CA 93560

Site ID:	430888	Latitude:	34.866565
County:	Kern County	Longitude:	-118.370557

Regulated Programs

El ID:	10745551
El Description:	Chemical Storage Facilities
El ID:	10745551
El Description:	Aboveground Petroleum Storage

Affiliations

Affil Type Desc:	Environmental Contact
Entity Name:	Susan Jennings
Entity Title:	
Address:	49881 170th Street West
City:	Lancaster
State:	CA
Country:	
Zip Code:	93536
Phone:	
Affil Type Desc:	Operator
Entity Name:	North Rosamond Solar LLC
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(480) 334-4980
Affil Type Desc:	Parent Corporation
Entity Name:	Rosamond Solar Array Project
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	135 MAIN ST FLR 6
City:	SAN FRANCISCO
State:	CA
Country:	
Zip Code:	94105-8113
Phone:	
Affil Type Desc:	Document Preparer
Entity Name:	Susan Jennings
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	CUPA District

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div>Entity Name: Kern County Environmental Health Services Departme</div> <div>Entity Title:</div> <div>Address: 2700 M Street, Suite 300</div> <div>City: Bakersfield</div> <div>State: CA</div> <div>Country:</div> <div>Zip Code: 93301-2370</div> <div>Phone: (661) 862-8740</div> <div>Affil Type Desc: Identification Signer</div> <div>Entity Name: Susan Jennings</div> <div>Entity Title: Regional Compliance Manager</div> <div>Address:</div> <div>City:</div> <div>State:</div> <div>Country:</div> <div>Zip Code:</div> <div>Phone:</div> <div>Affil Type Desc: Legal Owner</div> <div>Entity Name: North Rosamond Solar LLC</div> <div>Entity Title:</div> <div>Address: 135 MAIN ST FLR 6</div> <div>City: SAN FRANCISCO</div> <div>State: CA</div> <div>Country: United States</div> <div>Zip Code: 94105-8113</div> <div>Phone: (419) 662-6899</div>						
<u>Coordinates</u>						
Env Int Type Code: APSA				Longitude: -118.370560		
Program ID: 10745551				Coord Name:		
Latitude: 34.866560				Ref Point Type Desc: Center of a facility or station.		
<u>1</u>	84 of 149	E	0.00 / 0.00	2,436.50 / -124	Willow Springs Solar Array 11100 HOLIDAY AVE ROSAMOND CA 93560	DELISTED CTNK
Site ID: 433107				Latitude: 34.845176		
County: Kern County				Longitude: -118.330927		
Original Source: CTNK				Record Date: 18-NOV-2019		
<u>1</u>	85 of 149	SW	0.00 / 0.00	2,436.50 / -124	SOARING VISTA RANCH COMPOSTING AVE A 140 ST W. LANCASTER CA	WASTE DISCHG
Global ID: WDR100034982				Site Facility Type: * WDR SITE		
Facility ID:				Site Code:		
Status: HISTORICAL - WDR				County: LOS ANGELES		
Note: Information related to facilities can be searched on Geo Tracker Website: https://geotracker.waterboards.ca.gov/search						
Source: Cleanup Program Sites from GeoTracker Search						
<u>WDR Sites from GeoTracker Search - Facilities (as of Oct 06, 2020)</u>						
Site Facility Name: SOARING VISTA RANCH COMPOSTING				WDR Place Type: Facility		
Site Facility Type: * WDR SITE				WDR File No:		
Cleanup Status: HISTORICAL - WDR				WDR Order No: 93-015		
Cleanup Stat Detail:				File Location:		
Potential COC:				Address/Partial Add: AVE A 140 ST W.		
Site History: No site history available				City: LANCASTER		
CUF Claimno No:				Zip:		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CUF Amount Paid:				County:	LOS ANGELES	
Facility Type:						
Composting Method:						
Groundwater Monitoring						
Freque:						
Potential Media of Concern:						
User Defined Beneficial Use:						
Designated Beneficial Use:		NONE				
Designated Beneficl Use Desc:		NONE				
Post Closure Site Management:						
Future Land Use Reported:						
CUF Priority Assigned:						
Project Status:		HISTORICAL - WDR AS OF 3/11/1993				
DWR GW Sub Basin:						
Calwater Watershed:						
Cleanup Oversight Agencies:						
Project Oversight Agencies:		LAHONTAN RWQCB (REGION 6V) (LEAD)				
Report Link:		https://geotracker.waterboards.ca.gov/profile_report?global_id=WDR100034982				
Cleanup History Link:		https://geotracker.waterboards.ca.gov/profile_report_include?global_id=WDR100034982&tabname=regulatoryhistory				

WDR Sites from GeoTracker Search - Project Status History (as of Oct 06, 2020)

Status:	Open - Case Begin Date
Date :	3/11/1993
Status:	Historical - WDR
Date :	3/11/1993

1	86 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SCE Whirlwind Substation 3493 170th Street West 3493 170th Street West Rosamond CA 93560	KERN AST
Facility ID:	FA0036530			Cers ID:	10198966	
Mailing Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)			Mailing States:	CA	
Mailing Address 2:				Mailing Zip:	91770	
Mailing City:	Rosemead					

Kern County - AST Details

Billing Status:	Inactive, non-billable	Desig Employee:	CUPA 9
Current Inspection Dt:		HMIRRP Due Date:	
Program Element Code:	CD01		
Program Element:	APSA 1,320-9,999 GALLON CAPACITY		

1	87 of 149	WSW	0.00 / 0.00	2,436.50 / -124	CUPERTINO ELECTRIC, INC. 501 170TH ST WEST ROSAMOND CA 93560	FINDS/FRS
Registry ID:	110070329090					
FIPS Code:						
HUC Code:						
Site Type Name:						
Location Description:						
Supplemental Location:						
Create Date:	27-SEP-18					
Update Date:						
Interest Types:	OSHA ESTABLISHMENT					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:	221114					
NAICS Code Descriptions:						
Conveyor:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070329090 Program Acronyms: OSHA-OIS:341007466						

1	88 of 149	WSW	0.00 / 0.00	2,436.50 / -124	WORLD WIND ELECTRICAL SERVICES, INC./WORLD WIND & SOLAR 15637 WEST AVENUE A ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070343821 FIPS Code: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: 28-SEP-18 Update Date: Interest Types: OSHA ESTABLISHMENT SIC Codes: SIC Code Descriptions: NAICS Codes: 221115 NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070343821 Program Acronyms: OSHA-OIS:342612843						

1	89 of 149	WSW	0.00 /	2,436.50 /	Pinyon Pines Wind II, LLC	CERS HAZ
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			0.00	-124	15247 AVENUE A ROSAMOND CA 93560	

Site ID: 399614
Latitude: 34.820800
Longitude: -118.403410
County: Kern County

Regulated Programs

EI ID: 10483579 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 06/30/2015 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Kern County Env Health Services Department
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 07/01/2015. The hazardous materials inventory submitted electronically in the California Environmental Reporting System (CERS) needs to be revised. Add the following items: 75 gallons Sulfuric Acid and 11,900 gallons of Transformer Oil. Once these items have been added, please submit in CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Enforcements

Enf Action Date: 06/30/2015 **Enf Action Program:** HMRRP
Enf Action Type: Notice of Violation (Unified Program) **Enf Action Source:** CERS
Enf Action Division: Kern County Env Health Services Department
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 06/21/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 06/30/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Entity Title:						
Address:			15247 Avenue A			
City:			Rosamond			
State:			CA			
Country:						
Zip Code:			93560			
Phone:						
Affil Type Desc:			Environmental Contact			
Entity Name:			Jenny Mclvor			
Entity Title:						
Address:			666 Grand Avenue			
City:			DesMoines			
State:			IA			
Country:						
Zip Code:			50309			
Phone:						
Affil Type Desc:			CUPA District			
Entity Name:			Kern County Environmental Health Services Departme			
Entity Title:						
Address:			2700 M Street, Suite 300			
City:			Bakersfield			
State:			CA			
Country:						
Zip Code:			93301-2370			
Phone:			(661) 862-8740			
Affil Type Desc:			Identification Signer			
Entity Name:			Robert Johnston			
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:			Document Preparer			
Entity Name:			Robert Johnston			
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:			Operator			
Entity Name:			Pinyon Pines Wind II, LLC			
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:			(661) 749-0930			
Affil Type Desc:			Parent Corporation			
Entity Name:			Pinyon Pines Wind II, LLC			
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:			Legal Owner			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Name:		Pinyon Pines Wind II, LLC				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:		United States				
Zip Code:		93560				
Phone:		(661) 824-4500				
1	90 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Pinyon Pines Wind I, LLC 15247 AVENUE A ROSAMOND CA 93560	CERS HAZ
Site ID:		399613				
Latitude:		34.820800				
Longitude:		-118.403410				
County:		Kern County				
Regulated Programs						
EI ID:		10482454		EI Description:		Chemical Storage Facilities
Violations						
Violation Date:		06/30/2015		Violation Source:		CERS
Violation Program:		HMRRP		Violation Division:		Kern County Env Health Services Department
Citation:		HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)				
Violation Notes:						
Returned to compliance on 07/01/2015. The hazardous materials inventory submitted electronically in the California Environmental Reporting System (CERS) needs to be revised. Add the following items: 75 gallons Sulfuric Acid and 11,900 gallons of Transformer Oil. Once these items have been added, please submit in CERS.						
Violation Description:						
Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.						
Enforcements						
Enf Action Date:		06/30/2015		Enf Action Program:		HMRRP
Enf Action Type:		Notice of Violation (Unified Program)		Enf Action Source:		CERS
Enf Action Division:		Kern County Env Health Services Department				
Enf Action Description:		Notice of Violation Issued by the Inspector at the Time of Inspection				
Enf Action Notes:						
Evaluations						
Eval Date:		06/30/2015				
Violations Found:		Yes				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
Eval Date:		06/21/2018				
Violations Found:		No				
Eval General Type:		Compliance Evaluation Inspection				
Eval Type:		Routine done by local agency				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
Eval Date:		06/30/2015				
Violations Found:		No				
Eval General Type:		Other/Unknown				
Eval Type:		Other, not routine, done by local agency				
Eval Division:		Kern County Env Health Services Department				
Eval Program:		HMRRP				
Eval Source:		CERS				
Eval Notes:						
<u>Affiliations</u>						
Affil Type Desc:		Environmental Contact				
Entity Name:		Jenny McIvor				
Entity Title:						
Address:		666 Grand Avenue				
City:		DesMoines				
State:		IA				
Country:						
Zip Code:		50309				
Phone:						
Affil Type Desc:		Identification Signer				
Entity Name:		Robert Johnston				
Entity Title:		Wind Site Manager				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Robert Johnston				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Legal Owner				
Entity Name:		Pinyon Pines Wind I, LLC				
Entity Title:						
Address:		15247 Avenue A				
City:		Rosamond				
State:		CA				
Country:		United States				
Zip Code:		93560				
Phone:		(661) 749-0930				
Affil Type Desc:		Operator				
Entity Name:		Pinyon Pines Wind I, LLC				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:		(661) 749-0930				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Affil Type Desc: CUPA District Entity Name: Kern County Environmental Health Services Departme Entity Title: Address: 2700 M Street, Suite 300 City: Bakersfield State: CA Country: Zip Code: 93301-2370 Phone: (661) 862-8740 Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 15247 Avenue A City: Rosamond State: CA Country: Zip Code: 93560 Phone: Affil Type Desc: Parent Corporation Entity Name: Pinyon Pines Wind I, LLC Entity Title: Address: City: State: Country: Zip Code: Phone:						
<u>1</u>	91 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR CALIFORNIA XX LLC 15247 AVENUE A ROSAMOND CA 93560	RCRA NON GEN
EPA Handler ID: CAL000435054 Gen Status Universe: No Report Contact Name: BOB JOHNSTON Contact Address: 15247 AVENUE A, , ROSAMOND, CA, 93560, Contact Phone No and Ext: 661-749-0930 Contact Email: RJOHNSTON@BHERENEWABLES.COM Contact Country: County Name: KERN EPA Region: 09 Land Type: Receive Date: 20180419						
<u>Violation/Evaluation Summary</u>						
Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).						
<u>Handler Summary</u>						
Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility: No Onsite Burner Exemption: No Furnace Exemption: No Underground Injection Activity: No Commercial TSD: No Used Oil Transporter: No Used Oil Transfer Facility: No Used Oil Processor: No Used Oil Refiner: No						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180419
Handler Name: SOLAR STAR CALIFORNIA XX LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	15247 AVENUE A
Name:	BOB JOHNSTON	Street 2:	
Date Became Current:		City:	ROSAMOND
Date Ended Current:		State:	CA
Phone:	661-749-0930	Country:	
Source Type:	Implementer	Zip Code:	93560

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	15247 AVENUE A
Name:	SOLAR STAR CALIFORNIA XX LLC	Street 2:	
Date Became Current:		City:	ROSAMOND
Date Ended Current:		State:	CA
Phone:	661-749-0930	Country:	
Source Type:	Implementer	Zip Code:	93560

1	92 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD SOLAR B LLC 501 W 170TH ST NORTH SIDE ROSAMOND CA 93560	RCRA NON GEN
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EPA Handler ID: CAL000422840
Gen Status Universe: No Report
Contact Name: RYAN NIELSEN
Contact Address: 350 W WASHINGTON ST STE 600, EHS DEPARTMENT, TEMPE, AZ, 85281,
Contact Phone No and Ext: 480-249-4762
Contact Email: RYAN.NIELSEN@FIRSTSOLAR.COM
Contact Country:
County Name: KERN
EPA Region: 09
Land Type:
Receive Date: 20161206

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20161206
Handler Name: KINGBIRD SOLAR B LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	11757 KATY FREEWAY STE 400
Name:	KINGBIRD SOLAR A LLC	Street 2:	
Date Became Current:		City:	HOUSTON
Date Ended Current:		State:	TX
Phone:	281-509-6200	Country:	
Source Type:	Implementer	Zip Code:	77079

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	350 W WASHINGTON ST STE 600
Name:	RYAN NIELSEN	Street 2:	EHS DEPARTMENT
Date Became Current:		City:	TEMPE
Date Ended Current:		State:	AZ
Phone:	480-249-4762	Country:	
Source Type:	Implementer	Zip Code:	85281

<u>1</u>	93 of 149	WSW	0.00 / 0.00	2,436.50 / -124	MARITORENA FARMS 418 155TH ST W ROSAMOND CA 93560	RCRA NON GEN
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EPA Handler ID: CAL000381036
Gen Status Universe: No Report
Contact Name: MARIE MARITORENA
Contact Address: 300 PANAMA RD, , BAKERSFIELD, CA, 93307,
Contact Phone No and Ext: 661-303-9552
Contact Email: JMSHEEP@AOL.COM
Contact Country:
County Name: KERN
EPA Region: 09
Land Type:
Receive Date: 20121217

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20121217
Handler Name: MARITORENA FARMS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	300 PANAMA RD
Name:	MARITORENA FARMS	Street 2:	
Date Became Current:		City:	BAKERSFIELD
Date Ended Current:		State:	CA
Phone:	661-833-0329	Country:	
Source Type:	Implementer	Zip Code:	93307-6261

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	300 PANAMA RD
Name:	MARIE MARITORENA	Street 2:	
Date Became Current:		City:	BAKERSFIELD
Date Ended Current:		State:	CA
Phone:	661-303-9552	Country:	
Source Type:	Implementer	Zip Code:	93307

<u>1</u>	94 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD SOLAR A LLC 501 W 170TH ST SOUTH SIDE ROSAMOND CA 93560	RCRA NON GEN
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EPA Handler ID: CAL000422841
Gen Status Universe: No Report
Contact Name: RYAN NIELSEN
Contact Address: 350 W WASHINGTON ST STE 600, EHS DEPARTMENT, TEMPE, AZ, 85281,
Contact Phone No and Ext: 480-249-4762
Contact Email: RYAN.NIELSEN@FIRSTSOLAR.COM
Contact Country:
County Name: KERN
EPA Region: 09
Land Type:
Receive Date: 20161206

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Transfer Facility:		No				
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20161206
Handler Name: KINGBIRD SOLAR A LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	11757 KATY FREEWAY STE 400
Name:	KINGBIRD SOLAR A LLC	Street 2:	
Date Became Current:		City:	HOUSTON
Date Ended Current:		State:	TX
Phone:	281-509-6200	Country:	
Source Type:	Implementer	Zip Code:	77079

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	350 W WASHINGTON ST STE 600
Name:	RYAN NIELSEN	Street 2:	EHS DEPARTMENT
Date Became Current:		City:	TEMPE
Date Ended Current:		State:	AZ
Phone:	480-249-4762	Country:	
Source Type:	Implementer	Zip Code:	85281

<u>1</u>	95 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD A SOLAR LLC 501 170TH STREET W ROSAMOND CA 93560	FINDS/FRS
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Registry ID: 110070396862
FIPS Code: 06029
HUC Code: 18090206
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 26-DEC-18
Update Date:
Interest Types: ELECTRIC GENERATOR
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: EIA-860
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 22
Census Block Code: 060290055061788
EPA Region Code: 09
County Name: KERN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
US/Mexico Border Ind: Latitude: 34.819 Longitude: -118.432 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070396862 Program Acronyms: EIA-860:59868						
1	96 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD B SOLAR, LLC 301 170TH STREET W ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070397549 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 26-DEC-18 Update Date: Interest Types: ELECTRIC GENERATOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIA-860 Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061942 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.824206 Longitude: -118.438547 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070397549 Program Acronyms: EIA-860:60091						
1	97 of 149	WSW	0.00 / 0.00	2,436.50 / -124	GOLDEN FIELDS SOLAR I, LLC HOLIDAY AVE AND 150TH ST. W ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070397041 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 26-DEC-18						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Update Date: Interest Types: ELECTRIC GENERATOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIA-860 Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061344 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.839012 Longitude: -118.386843 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070397041 Program Acronyms: EIA-860:60590						
1	98 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD SOLAR A LLC 501 W 170TH ST ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070422516 FIPS Code: 06029 HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: SOUTH SIDE Create Date: 31-DEC-18 Update Date: Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES SIC Codes: SIC Code Descriptions: NAICS Codes: 221122 NAICS Code Descriptions: ELECTRIC POWER DISTRIBUTION. Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070422516 Program Acronyms: RCRAINFO:CAL000422841						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	99 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD SOLAR B LLC 501 W 170TH ST ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070422515 FIPS Code: 06029 HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: NORTH SIDE Create Date: 31-DEC-18 Update Date: Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES SIC Codes: SIC Code Descriptions: NAICS Codes: 221122 NAICS Code Descriptions: ELECTRIC POWER DISTRIBUTION. Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070422515 Program Acronyms: RCRAINFO:CAL000422840						
1	100 of 149	WSW	0.00 / 0.00	2,436.50 / -124	MARITORENA FARMS 418 155TH ST W ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070479732 FIPS Code: 06029 HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 03-JAN-19 Update Date: Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES SIC Codes: SIC Code Descriptions: NAICS Codes: 333922 NAICS Code Descriptions: CONVEYOR AND CONVEYING EQUIPMENT MANUFACTURING. Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Census Block Code: EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070479732 Program Acronyms: RCRAINFO:CAL000381036						

1	101 of 149	NW	0.00 / 0.00	2,436.50 / -124	NORTH ROSAMOND SOLAR LLC 13901 ROSAMOND BLVD ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070396873 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 26-DEC-18 Update Date: Interest Types: ELECTRIC GENERATOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIA-860 Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061157 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.862 Longitude: -118.38 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070396873 Program Acronyms: EIA-860:59879						

1	102 of 149	E	0.00 / 0.00	2,436.50 / -124	WILLOW SPRING SOLAR 3, LLC 1762 105TH ST. WEST ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070396153 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Location Description: Supplemental Location: Create Date: 26-DEC-18 Update Date: Interest Types: ELECTRIC GENERATOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIA-860 Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061441 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.845538 Longitude: -118.317787 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070396153 Program Acronyms: EIA-860:60325						

<u>1</u>	103 of 149	SE	0.00 / 0.00	2,436.50 / -124	WILLOW SPRING SOLAR, LLC KINGBIRD AVE AND 115TH ST W. ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070396152 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 26-DEC-18 Update Date: Interest Types: ELECTRIC GENERATOR SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIA-860 Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061706 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.826697 Longitude: -118.335211 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070396152						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program Acronyms:						
EIA-860:60324						
1	104 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR CALIFORNIA XX LLC 15247 AVENUE A ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110070482488				
FIPS Code:		06029				
HUC Code:						
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		03-JAN-19				
Update Date:						
Interest Types:		OTHER HAZARDOUS WASTE ACTIVITIES				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:		221122				
NAICS Code Descriptions:		ELECTRIC POWER DISTRIBUTION.				
Conveyor:						
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:						
Census Block Code:						
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:						
Longitude:						
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070482488				
Program Acronyms:						
RCRAINFO:CAL000435054						

1	105 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR CALIFORNIA, XLI, LLC HOLIDAY AVE AND 150TH ST. W ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110070397042				
FIPS Code:		06029				
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		26-DEC-18				
Update Date:						
Interest Types:		ELECTRIC GENERATOR				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		EIA-860				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061344 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.839012 Longitude: -118.386843 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070397042 Program Acronyms: EIA-860:60591						

<u>1</u>	106 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XIX, LLC AVENUE A AND PATTERSON ROAD ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070521207 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 04-MAR-19 Update Date: Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIS Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061777 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.82629 Longitude: -118.41424 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521207 Program Acronyms: EIS:18319711						

<u>1</u>	107 of 149	ENE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR XX, LLC AVENUE A AND ROSAMOND	FINDS/FRS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					BLVD. ROSAMOND CA 93560	
Registry ID:		110070521182				
FIPS Code:		06029				
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		04-MAR-19				
Update Date:						
Interest Types:		AIR EMISSIONS CLASSIFICATION UNKNOWN				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		EIS				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060290055061421				
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:		34.84854				
Longitude:		-118.35279				
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521182				
Program Acronyms:						
EIS:18695011						
1	108 of 149	W	0.00 / 0.00	2,436.50 / -124	SOUTHERN CALIFORNIA EDISON 3499 170TH STREET ROSAMOND CA 93560	FINDS/FRS
Registry ID:		110070521303				
FIPS Code:		06029				
HUC Code:		18090206				
Site Type Name:		STATIONARY				
Location Description:						
Supplemental Location:						
Create Date:		04-MAR-19				
Update Date:						
Interest Types:		AIR EMISSIONS CLASSIFICATION UNKNOWN				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		EIS				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060290055061385				
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:		34.8587				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Longitude: -118.43732 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521303 Program Acronyms: EIS:18327611						
1	109 of 149	ESE	0.00 / 0.00	2,436.50 / -124	WILLOW SPRING SOLAR ARRAY 11100 HOLIDAY AVENUE ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070521349 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 04-MAR-19 Update Date: Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN SIC Codes: SIC Code Descriptions: NAICS Codes: 221114 NAICS Code Descriptions: Conveyor: EIS Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061704 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.83417 Longitude: -118.33071 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521349 Program Acronyms: EIS:18138311						
1	110 of 149	N	0.00 / 0.00	2,436.50 / -124	ROSAMOND SOLAR ARRAY 13901 ROSAMOND BLVD. ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070521348 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 04-MAR-19 Update Date: Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIS Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061167 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.86659 Longitude: -118.36186 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521348 Program Acronyms: EIS:18160011						

1	111 of 149	W	0.00 / 0.00	2,436.50 / -124	ROSAMOND SOLAR PROJECT- PHASE 2 14874 HOLIDAY AVENUE ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070521295 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 04-MAR-19 Update Date: Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN SIC Codes: SIC Code Descriptions: NAICS Codes: 221114 NAICS Code Descriptions: Conveyor: EIS Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061344 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.84393 Longitude: -118.39201 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521295 Program Acronyms: EIS:18138111, EIS:18694811						

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Congressional Dist No: 22 Census Block Code: 060290055061942 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.82391 Longitude: -118.44023 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521296 Program Acronyms: EIS:18694611						
1	114 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD SOLAR B, LLC AVENUE A AND 180 STREET WEST ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070521233 FIPS Code: 06029 HUC Code: 18090206 Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 04-MAR-19 Update Date: Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EIS Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061942 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.82062 Longitude: -118.44023 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070521233 Program Acronyms: EIS:18319811						
1	115 of 149	W	0.00 / 0.00	2,436.50 / -124	ROSAMOND SOLAR PROJECT-PHASE 1 14874 HOLIDAY AVENUE ROSAMOND CA 93560	EMISSIONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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2017 Criteria Data

Facility ID:	5031	CERR Code:	
Facility SIC Code:	4911	TOGT:	.
			00117336152219873150105708245243128964
			0592
CO:	15	ROGT:	.00111
Air Basin:	MD	COT:	.02048
District:	KER	NOXT:	.01652
COID:	KER	SOXT:	.00003
DISN:	EASTERN KERN APCD	PMT:	.
			11407041811846689895470383275261324041
			81
CHAPIS:		PM10T:	.06583

2017 Toxic Data

Facility ID:	5031	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1	116 of 149	E	0.00 / 0.00	2,436.50 / -124	WILLOW SPRING SOLAR ARRAY 11100 HOLIDAY AVENUE ROSAMOND CA 93560	EMISSIONS
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2017 Criteria Data

Facility ID:	5037	CERR Code:	
Facility SIC Code:	4911	TOGT:	
CO:	15	ROGT:	
Air Basin:	MD	COT:	
District:	KER	NOXT:	
COID:	KER	SOXT:	
DISN:	EASTERN KERN APCD	PMT:	.
			57491289198606271777003484320557491289
			2
CHAPIS:		PM10T:	.33

2017 Toxic Data

Facility ID:	5037	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1	117 of 149	SE	0.00 / 0.00	2,436.50 / -124	CATALINA SOLAR, LLC 87411 110TH STREET WEST ROSAMOND CA 93560	EMISSIONS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>2017 Criteria Data</u>						
Facility ID:	5017				CERR Code:	
Facility SIC Code:	4911				TOGT:	.511170784103114930182599355531686358754
CO:	15				ROGT:	.04759
Air Basin:	MD				COT:	.19037
District:	KER				NOXT:	.09519
COID:	KER				SOXT:	.00257
DISN:	EASTERN KERN APCD				PMT:	.0363220788143495117043725769249644206704
CHAPIS:					PM10T:	.02147
<u>2017 Toxic Data</u>						
Facility ID:	5017				COID:	KER
Facility SIC Code:	4911				DISN:	EASTERN KERN APCD
CO:	15				CHAPIS:	
Air Basin:	MD				CERR Code:	
District:	KER					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>1</u>	118 of 149	W	0.00 / 0.00	2,436.50 / -124	ROSAMOND SOLAR PROJECT- PHASE 2 14874 HOLIDAY AVENUE ROSAMOND CA 93560	EMISSIONS
<u>2017 Criteria Data</u>						
Facility ID:	5032				CERR Code:	
Facility SIC Code:	4911				TOGT:	
CO:	15				ROGT:	
Air Basin:	MD				COT:	
District:	KER				NOXT:	
COID:	KER				SOXT:	
DISN:	EASTERN KERN APCD				PMT:	.1045296167247386759581881533101045296167
CHAPIS:					PM10T:	.06
<u>2017 Toxic Data</u>						
Facility ID:	5032				COID:	KER
Facility SIC Code:	4911				DISN:	EASTERN KERN APCD
CO:	15				CHAPIS:	
Air Basin:	MD				CERR Code:	
District:	KER					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
<u>1</u>	119 of 149	NNW	0.00 / 0.00	2,436.50 / -124	ROSAMOND SOLAR ARRAY 13901 ROSAMOND BLVD. ROSAMOND CA 93560	EMISSIONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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2017 Criteria Data

Facility ID:	5038	CERR Code:	
Facility SIC Code:	4911	TOGT:	
CO:	15	ROGT:	
Air Basin:	MD	COT:	
District:	KER	NOXT:	
COID:	KER	SOXT:	
DISN:	EASTERN KERN APCD	PMT:	.
			47909407665505226480836236933797909407
			67
CHAPIS:		PM10T:	.275

2017 Toxic Data

Facility ID:	5038	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1	120 of 149	WNW	0.00 / 0.00	2,436.50 / -124	SOUTHERN CALIFORNIA EDISON 3499 170TH STREET ROSAMOND CA 93560	EMISSIONS
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2017 Criteria Data

Facility ID:	173012	CERR Code:	
Facility SIC Code:	4911	TOGT:	.
			00353065539112050739957716701902748414
			3763
CO:	15	ROGT:	.00334
Air Basin:	MD	COT:	.04339
District:	KER	NOXT:	.07677
COID:	KER	SOXT:	.00008
DISN:	EASTERN KERN APCD	PMT:	.0025
CHAPIS:		PM10T:	.0025

2017 Toxic Data

Facility ID:	173012	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1	121 of 149	WSW	0.00 / 0.00	2,436.50 / -124	Kingbird Solar B LLC 501 170th St W N 501 170th St W N Rosamond CA	KERN CUPA
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Facility ID:	FA0047587	CERS ID:	10744549
Mailing Address:	350 W Washington EHS Suite 600	Mailing State:	AZ
Mailing Address 2:		Mailing Zip:	85281
Mailing City:	Tempe		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Detail(s)

Billing Status:	Active, billable	Prog Element Code:	CB1T
Current Inspection Dt:	10/1/2021	Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
HMIRRP Due Date:		Employee:	CUPA 9
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory		

Detail(s)

Billing Status:	Active, billable	Prog Element Code:	CG07
Current Inspection Dt:	10/1/2021	Program Element:	SMALL QUANTITY HAZARDOUS WASTE GENERATOR
HMIRRP Due Date:		Employee:	CUPA 9
Report Source:	CUPA - Hazardous Waste (HW) Facilities		

<u>1</u>	122 of 149	NNE	0.00 / 0.00	2,436.50 / -124	North Rosamond Solar 12507 ROSAMOND BLVD ROSAMOND CA 93560	CERS HAZ
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Site ID:	524296
Latitude:	34.863150
Longitude:	-118.353610
County:	Kern County

Regulated Programs

EI ID:	10805884	EI Description:	Chemical Storage Facilities
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Affiliations

Affil Type Desc:	Parent Corporation
Entity Name:	Duke Energy
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	Terese Dodge
Entity Title:	
Address:	1601 Weedon Island Drive
City:	St. Petersburg
State:	FL
Country:	
Zip Code:	33702
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	Duke Energy Renewables
Entity Title:	
Address:	550 South Caldwell St Suite 600
City:	Charlotte
State:	NC
Country:	United States
Zip Code:	28202
Phone:	(980) 373-6938

Affil Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity Title: Address: 2700 M Street, Suite 300 City: Bakersfield State: CA Country: Zip Code: 93301-2370 Phone: (661) 862-8740 Affil Type Desc: Operator Entity Name: Duke Energy Renewables Entity Title: Address: City: State: Country: Zip Code: Phone: (507) 476-3732 Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 3600 Pegasus Drive Suite 8 City: Bakersfield State: CA Country: Zip Code: 93308 Phone: Affil Type Desc: Identification Signer Entity Name: Terese Dodge Entity Title: Lead EHS Professional Address: City: State: Country: Zip Code: Phone: Affil Type Desc: Document Preparer Entity Name: Terese Dodge Entity Title: Address: City: State: Country: Zip Code: Phone:						
<u>1</u>	123 of 149	ESE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR 1 (LOS ANGELES COUNTY SIDE) 14900 W AVENUE A LANCASTER CA 93536	LA COUNTY CUPA
Facility ID: FA0049071 CERS ID: 10511059 <u>Active Facility Details</u> PE: 3000						
<u>1</u>	124 of 149	NNE	0.00 / 0.00	2,436.50 / -124	DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR 12507 ROSAMOND BLVD ROSAMOND CA 93560	RCRA TSD
EPA Handler ID: CAL000446395						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Gen Status Universe:		No Report				
Contact Name:		JIM BARFIELD				
Contact Address:		550 S CALDWELL ST, , CHARLOTTE, NC, 28202,				
Contact Phone No and Ext:		980-373-2076				
Contact Email:		JIM.BARFIELD@DUKE-ENERGY.COM				
Contact Country:						
Land Type:						
County Name:		KERN				
EPA Region:		09				
Receive Date:		20190529				
<u>Violation/Evaluation Summary</u>						
Note:		NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).				
<u>Handler Summary</u>						
Importer Activity:		No				
Mixed Waste Generator:		No				
Transporter Activity:		No				
Transfer Facility:		No				
Onsite Burner Exemption:		No				
Smelting, Melting and Refining:		No				
Underground Injection Control:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				
<u>Hazardous Waste Handler Details</u>						
Sequence No:		1				
Receive Date:		20190529				
Handler Name:		DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR				
Federal Waste Generator Code:		N				
Generator Code Description:		Not a Generator, Verified				
Source Type:		Implementer				
<u>Owner/Operator Details</u>						
Owner/Operator Ind:		Current Owner			Street No:	
Type:		Other			Street 1:	
Name:		DUKE ENERGY RENEWABLES			Street 2:	
Date Became Current:					City:	
Date Ended Current:					State:	
Phone:		980-373-6938			Country:	
Source Type:		Implementer			Zip Code:	
Owner/Operator Ind:		Current Operator			Street No:	
Type:		Other			Street 1:	
Name:		JIM BARFIELD			Street 2:	
Date Became Current:					City:	
Date Ended Current:					State:	
Phone:		980-373-2076			Country:	
Source Type:		Implementer			Zip Code:	
1	125 of 149	NE	0.00 / 0.00	2,436.50 / -124	CONTI CORPORATION 12057 ROSAMOND BLVD.	RCRA TSD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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ROSAMOND CA 93560

EPA Handler ID: CAC003009157
Gen Status Universe: No Report
Contact Name: MIKE MIRAGLIA
Contact Address: 14 MORGAN, , IRVINE, CA, 92618,
Contact Phone No and Ext: 813-952-7238
Contact Email: MMIRAGLIA@CONTICORPORATION.COM
Contact Country:
Land Type:
County Name: KERN
EPA Region: 09
Receive Date: 20190408

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190408
Handler Name: CONTI CORPORATION
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	14 MORGAN
Name:	MIKE MIRAGLIA	Street 2:	
Date Became Current:		City:	IRVINE
Date Ended Current:		State:	CA
Phone:	813-952-7238	Country:	
Source Type:	Implementer	Zip Code:	92618
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	350 W. WASHINGTON STREET STE 600
Name:	FIRST SOLAR ELECTRIC, LLC	Street 2:	
Date Became Current:		City:	TEMPE
Date Ended Current:		State:	AZ
Phone:	480-748-8390	Country:	
Source Type:	Implementer	Zip Code:	85281

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	126 of 149	NNE	0.00 / 0.00	2,436.50 / -124	DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR 12507 ROSAMOND BLVD ROSAMOND CA 93560	RCRA NON GEN

EPA Handler ID: CAL000446395
Gen Status Universe: No Report
Contact Name: JIM BARFIELD
Contact Address: 550 S CALDWELL ST, , CHARLOTTE, NC, 28202,
Contact Phone No and Ext: 980-373-2076
Contact Email: JIM.BARFIELD@DUKE-ENERGY.COM
Contact Country:
County Name: KERN
EPA Region: 09
Land Type:
Receive Date: 20190529

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190529
Handler Name: DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	550 S CALDWELL ST
Name:	JIM BARFIELD	Street 2:	
Date Became Current:		City:	CHARLOTTE
Date Ended Current:		State:	NC
Phone:	980-373-2076	Country:	
Source Type:	Implementer	Zip Code:	28202
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	550 S CALDWELL ST
Name:	DUKE ENERGY RENEWABLES	Street 2:	
Date Became Current:		City:	CHARLOTTE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date Ended Current:				State:	NC	
Phone:				Country:		
Source Type:				Zip Code:	28202	

1	127 of 149	NE	0.00 / 0.00	2,436.50 / -124	CONTI CORPORATION 12057 ROSAMOND BLVD. ROSAMOND CA 93560	RCRA NON GEN
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EPA Handler ID: CAC003009157
Gen Status Universe: No Report
Contact Name: MIKE MIRAGLIA
Contact Address: 14 MORGAN, , IRVINE, CA, 92618,
Contact Phone No and Ext: 813-952-7238
Contact Email: MMIRAGLIA@CONTICORPORATION.COM
Contact Country:
County Name: KERN
EPA Region: 09
Land Type:
Receive Date: 20190408

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190408
Handler Name: CONTI CORPORATION
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	350 W. WASHINGTON STREET STE 600
Name:	FIRST SOLAR ELECTRIC, LLC	Street 2:	
Date Became Current:		City:	TEMPE
Date Ended Current:		State:	AZ
Phone:	480-748-8390	Country:	
Source Type:	Implementer	Zip Code:	85281
Owner/Operator Ind:	Current Operator	Street No:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type: Name: Date Became Current: Date Ended Current: Phone: Source Type:	Other MIKE MIRAGLIA 813-952-7238 Implementer				Street 1: Street 2: City: State: Country: Zip Code:	14 MORGAN IRVINE CA 92618
1	128 of 149	NE	0.00 / 0.00	2,436.50 / -124	CONTI CORPORATION 12057 ROSAMOND BLVD. ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070574365 FIPS Code: 06029 HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 20-AUG-19 Update Date: Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES, TRANSPORTER SIC Codes: SIC Code Descriptions: NAICS Codes: 236220 NAICS Code Descriptions: COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION. Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070574365 Program Acronyms: RCRAINFO:CAC003009157						
1	129 of 149	NNE	0.00 / 0.00	2,436.50 / -124	DUKE ENERGY RENEWABLES NORTH ROSAMOND SOLAR 12507 ROSAMOND BLVD ROSAMOND CA 93560	FINDS/FRS
Registry ID: 110070592799 FIPS Code: 06029 HUC Code: Site Type Name: STATIONARY Location Description: Supplemental Location: Create Date: 20-AUG-19 Update Date: Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES SIC Codes: SIC Code Descriptions: NAICS Codes: 221122 NAICS Code Descriptions: ELECTRIC POWER DISTRIBUTION. Conveyor:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070592799 Program Acronyms: RCRAINFO:CAL000446395						

<u>1</u>	130 of 149	E	0.00 / 0.00	2,436.50 / -124	Willow Springs Solar LLC 11150 HOLIDAY AVE ROSAMOND CA 93560	CERS HAZ
Site ID: 433107 Latitude: 34.845180 Longitude: -118.330930 County: Kern County						

Regulated Programs

EI ID:	10745554	EI Description:	Chemical Storage Facilities
EI ID:	10745554	EI Description:	Hazardous Waste Generator

Affiliations

Affil Type Desc:	Identification Signer
Entity Name:	Ryan Nielsen
Entity Title:	EHS III
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	Environmental Contact
Entity Name:	Ryan Nielsen
Entity Title:	
Address:	350 W. Washington St. Suite 600-EHS
City:	Tempe
State:	AZ
Country:	
Zip Code:	85281
Phone:	
Affil Type Desc:	Operator
Entity Name:	Willow Springs Solar LLC
Entity Title:	
Address:	
City:	
State:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Country:						
Zip Code:						
Phone:		(661) 940-3205				
Affil Type Desc:		Parent Corporation				
Entity Name:		Willow Springs Solar Array				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Ryan Nielsen				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		CUPA District				
Entity Name:		Kern County Environmental Health Services Departme				
Entity Title:						
Address:		2700 M Street, Suite 300				
City:		Bakersfield				
State:		CA				
Country:						
Zip Code:		93301-2370				
Phone:		(661) 862-8740				
Affil Type Desc:		Legal Owner				
Entity Name:		Willow Springs Solar LLC /co D.E. Shaw				
Entity Title:						
Address:		1166 6th Ave, 9th Fl.				
City:		New York				
State:		NY				
Country:		United States				
Zip Code:		10036				
Phone:		(419) 662-6899				
Affil Type Desc:		Facility Mailing Address				
Entity Name:		Mailing Address				
Entity Title:						
Address:		11150 Holiday Avenue				
City:		Rosamond				
State:		CA				
Country:						
Zip Code:		93560				
Phone:						

1	131 of 149	E	0.00 / 0.00	2,436.50 / -124	WILLOW SPRINGS SOLAR LLC 11150 HOLIDAY AVE ROSAMOND CA 93560	RCRA NON GEN
EPA Handler ID:		CAL000451011				
Gen Status Universe:		No Report				
Contact Name:		BRUCE BERRY				
Contact Address:		11150 HOLIDAY AVE, , ROSAMOND, CA, 93560,				
Contact Phone No and Ext:		661-940-3205				
Contact Email:		BRUCE.BERRY@FIRSTSOLAR.COM				
Contact Country:						
County Name:		KERN				
EPA Region:		09				
Land Type:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Receive Date: 20191127

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
 Mixed Waste Generator: No
 Transporter Activity: No
 Transfer Facility: No
 Onsite Burner Exemption: No
 Furnace Exemption: No
 Underground Injection Activity: No
 Commercial TSD: No
 Used Oil Transporter: No
 Used Oil Transfer Facility: No
 Used Oil Processor: No
 Used Oil Refiner: No
 Used Oil Burner: No
 Used Oil Market Burner: No
 Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
 Receive Date: 20191127
 Handler Name: WILLOW SPRINGS SOLAR LLC
 Source Type: Implementer
 Federal Waste Generator Code: N
 Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	11150 HOLIDAY AVE
Name:	BRUCE BERRY	Street 2:	
Date Became Current:		City:	ROSAMOND
Date Ended Current:		State:	CA
Phone:	661-940-3205	Country:	
Source Type:	Implementer	Zip Code:	93560
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	1166 AVENUE OF THE AMERICAS 9TH FLOOR
Name:	WILLOW SPRINGS SOLAR LLC	Street 2:	
Date Became Current:		City:	NEW YORK
Date Ended Current:		State:	NY
Phone:	212-478-0000	Country:	
Source Type:	Implementer	Zip Code:	10036

1	132 of 149	E	0.00 / 0.00	2,436.50 / -124	WILLOW SPRINGS SOLAR LLC 11150 HOLIDAY AVE ROSAMOND CA 93560	FINDS/FRS
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Registry ID: 110070676424
 FIPS Code: 06029
 HUC Code:
 Site Type Name: STATIONARY
 Location Description:
 Supplemental Location:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL: Program Acronyms:		23-JAN-20 UNSPECIFIED UNIVERSE 221122 ELECTRIC POWER DISTRIBUTION. 09 KERN NAD83 https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070676424				
RCRAINFO:CAL000451011						

1	133 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Central Solar 14968 HOLIDAY AVE ROSAMOND CA 93560	CERS TANK
Site ID:	565396			Latitude:	34.848010	
County:	Kern County			Longitude:	-118.396080	

Regulated Programs

EI ID:	10840483
EI Description:	Chemical Storage Facilities
EI ID:	10840483
EI Description:	Aboveground Petroleum Storage
EI ID:	10840483
EI Description:	Hazardous Waste Generator

Affiliations

Affil Type Desc:	Operator
Entity Name:	Rosamond Central Solar - Attn: Emery Vargo (McCarthy Building Co.)
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(916) 306-0633
Affil Type Desc:	Parent Corporation
Entity Name:	Rosamond Central Solar
Entity Title:	
Address:	
City:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State: Country: Zip Code: Phone:						
Affil Type Desc: Environmental Contact Entity Name: David Bufo Entity Title: Address: 20401 SW Birch St. Ste 300 City: Newport Beach State: CA Country: Zip Code: 92660 Phone:						
Affil Type Desc: Facility Mailing Address Entity Name: Mailing Address Entity Title: Address: 14968 Holiday Ave. City: Rosamond State: CA Country: Zip Code: 93560 Phone:						
Affil Type Desc: Property Owner Entity Name: Ely Anderson (Clear Way Energy) Entity Title: Address: 100 California St. Suite 400 City: San Francisco State: CA Country: United States Zip Code: 94111 Phone: (415) 272-5030						
Affil Type Desc: Legal Owner Entity Name: Ely Anderson (Golden Fields Solar III) Entity Title: Address: 100 California St.Suite 400 City: San Francisco State: CA Country: United States Zip Code: 94111 Phone: (415) 272-5030						
Affil Type Desc: Identification Signer Entity Name: Emery Vargo Entity Title: Project Manager Address: City: State: Country: Zip Code: Phone:						
Affil Type Desc: CUPA District Entity Name: Kern County Environmental Health Services Departme Entity Title: Address: 2700 M Street, Suite 300 City: Bakersfield State: CA Country: Zip Code: 93301-2370 Phone: (661) 862-8740						
Affil Type Desc: Document Preparer Entity Name: Vincent Edwards Entity Title: Address:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City: State: Country: Zip Code: Phone:						
1	134 of 149	NW	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Array Project 13901 W Rosamond Blvd Rosamond CA	KERN CUPA
Facility ID: FA0048501 Mailing Address: 135 MAIN ST FLR 6 Mailing Address 2: Mailing City: SAN FRANCISCO CERS ID: 10745551 Mailing State: CA Mailing Zip: 94105-8113						
<u>Detail(s)</u>						
Billing Status: Active, billable Current Inspection Dt: 9/1/2020 HMIRRP Due Date: Report Source: CUPA - Hazardous Material Business Plan (HMBP) Inventory Prog Element Code: CB2T Program Element: BUS PLAN MED LOW RISK 1 UNIT Employee: CUPA 9						
1	135 of 149	E	0.00 / 0.00	2,436.50 / -124	Willow Springs Solar LLC 11150 Holiday Ave Rosamond CA	KERN CUPA
Facility ID: FA0048502 Mailing Address: 11150 Holiday Avenue Mailing Address 2: Mailing City: Rosamond CERS ID: 10745554 Mailing State: CA Mailing Zip: 93560						
<u>Detail(s)</u>						
Billing Status: Active, billable Current Inspection Dt: 9/1/2020 HMIRRP Due Date: Report Source: CUPA - Hazardous Material Business Plan (HMBP) Inventory Prog Element Code: CB2T Program Element: BUS PLAN MED LOW RISK 1 UNIT Employee: CUPA 9						
<u>Detail(s)</u>						
Billing Status: Active, billable Current Inspection Dt: 9/1/2020 HMIRRP Due Date: Report Source: CUPA - Hazardous Waste (HW) Facilities Prog Element Code: CG07 Program Element: SMALL QUANTITY HAZARDOUS WASTE GENERATOR Employee: CUPA 9						
1	136 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Central Solar 14968 Holiday Ave Rosamond CA	KERN CUPA
Facility ID: FA0048582 Mailing Address: 14968 Holiday Ave. Mailing Address 2: Mailing City: Rosamond CERS ID: 10840483 Mailing State: CA Mailing Zip: 93560						
<u>Detail(s)</u>						
Billing Status: Active, billable Current Inspection Dt: 9/1/2020 HMIRRP Due Date: Report Source: CUPA - Hazardous Material Business Plan (HMBP) Inventory Prog Element Code: CB4T Program Element: BUS PLAN SMALL LOW RISK 2-5 UNITS Employee: CUPA 9						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	137 of 149	NW	0.00 / 0.00	2,436.50 / -124	Rosamond Solar Array Project 13901 W Rosamond Blvd Rosamond CA 93560	KERN AST

Facility ID: FA0048501
Mailing Address: 135 MAIN ST FLR 6
Mailing Address 2:
Mailing City: SAN FRANCISCO
Cers ID: 10745551
Mailing States: CA
Mailing Zip: 94105-8113

Kern County - AST Details

Billing Status: Active, billable
Current Inspection Dt: 9/1/2020
Program Element Code: CD02
Program Element: APSA 10,000-99,999 GALLON CAPACITY
Desig Employee: CUPA 9
HMIRRP Due Date:

1	138 of 149	W	0.00 / 0.00	2,436.50 / -124	Rosamond Central Solar 14968 Holiday Ave Rosamond CA 93560	KERN AST
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Facility ID: FA0048582
Mailing Address: 14968 Holiday Ave.
Mailing Address 2:
Mailing City: Rosamond
Cers ID: 10840483
Mailing States: CA
Mailing Zip: 93560

Kern County - AST Details

Billing Status: Active, billable
Current Inspection Dt: 9/1/2020
Program Element Code: CD01
Program Element: APSA 1,320-9,999 GALLON CAPACITY
Desig Employee: CUPA 9
HMIRRP Due Date:

1	139 of 149	W	0.00 / 0.00	2,436.50 / -124	ROSAMOND CENTRAL SOLAR PROJECT 14874 HOLIDAY AVE. ROSAMOND CA 94804	RCRA NON GEN
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EPA Handler ID: CAC003068366
Gen Status Universe: No Report
Contact Name: JULIE BABCOCK
Contact Address: 14874 HOLIDAY AVE., , ROSAMOND, CA, 94804,
Contact Phone No and Ext: 702-400-8818
Contact Email: JULIE.BABCOCK@CLEARWAYENERGY.COM
Contact Country:
County Name: KERN
EPA Region: 09
Land Type:
Receive Date: 20200527

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Furnace Exemption:	No					
Underground Injection Activity:	No					
Commercial TSD:	No					
Used Oil Transporter:	No					
Used Oil Transfer Facility:	No					
Used Oil Processor:	No					
Used Oil Refiner:	No					
Used Oil Burner:	No					
Used Oil Market Burner:	No					
Used Oil Spec Marketer:	No					

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200527
Handler Name: ROSAMOND CENTRAL SOLAR PROJECT
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator	Street No:	
Type: Other	Street 1:	14874 HOLIDAY AVE.
Name: JULIE BABCOCK	Street 2:	
Date Became Current:	City:	ROSAMOND
Date Ended Current:	State:	CA
Phone: 702-400-8818	Country:	
Source Type: Implementer	Zip Code:	94804

Owner/Operator Ind: Current Owner	Street No:	
Type: Other	Street 1:	4900 SCOTTSDALE ROAD SUITE 5000
Name: GOLDEN FIELDS III, LLC	Street 2:	
Date Became Current:	City:	SCOTTSDALE
Date Ended Current:	State:	AZ
Phone: 702-400-8818	Country:	
Source Type: Implementer	Zip Code:	85251

1	140 of 149	E	0.00 / 0.00	2,436.50 / -124	WILLOW SPRING SOLAR 3, LLC CA	FINDS/FRS
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Registry ID: 110070700494
FIPS Code: 6029
HUC Code: 18090206
Site Type Name:
Location Description:
Supplemental Location:
Create Date: 02-APR-20
Update Date:
Interest Types: ELECTRIC POWER GENERATOR (SOLAR BASED)
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: EGRID
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 22
Census Block Code: 060290055061441
EPA Region Code: 09
County Name: KERN
US/Mexico Border Ind:
Latitude: 34.845538

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Longitude:		-118.317787				
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700494				
Program Acronyms:						
EGRID:60325						

1	141 of 149	SE	0.00 / 0.00	2,436.50 / -124	WILLOW SPRING SOLAR, LLC CA	FINDS/FRS
Registry ID:		110070700495				
FIPS Code:		6029				
HUC Code:		18090206				
Site Type Name:						
Location Description:						
Supplemental Location:						
Create Date:		02-APR-20				
Update Date:						
Interest Types:		ELECTRIC POWER GENERATOR (SOLAR BASED)				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		EGRID				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060290055061706				
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:		34.826697				
Longitude:		-118.335211				
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700495				
Program Acronyms:						
EGRID:60324						

1	142 of 149	ENE	0.00 / 0.00	2,436.50 / -124	SOLAR STAR 2 CA	FINDS/FRS
Registry ID:		110070700551				
FIPS Code:		6029				
HUC Code:		18090206				
Site Type Name:						
Location Description:						
Supplemental Location:						
Create Date:		02-APR-20				
Update Date:						
Interest Types:		ELECTRIC POWER GENERATOR (SOLAR BASED)				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EGRID Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061422 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.848611 Longitude: -118.352778 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700551 Program Acronyms: EGRID:58389						

1	143 of 149	NW	0.00 / 0.00	2,436.50 / -124	NORTH ROSAMOND SOLAR LLC CA	FINDS/FRS
Registry ID: 110070699967 FIPS Code: 6029 HUC Code: 18090206 Site Type Name: Location Description: Supplemental Location: Create Date: 02-APR-20 Update Date: Interest Types: ELECTRIC POWER GENERATOR (SOLAR BASED) SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: EGRID Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: 22 Census Block Code: 060290055061157 EPA Region Code: 09 County Name: KERN US/Mexico Border Ind: Latitude: 34.862 Longitude: -118.38 Reference Point: Coord Collection Method: Accuracy Value: Datum: NAD83 Source: Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070699967 Program Acronyms: EGRID:59879						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	144 of 149	WSW	0.00 / 0.00	2,436.50 / -124	SOLAR STAR CALIFORNIA, XLI, LLC CA	FINDS/FRS
Registry ID: FIPS Code: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code: County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL: Program Acronyms:		110070700553 6029 18090206 02-APR-20 ELECTRIC POWER GENERATOR (SOLAR BASED) EGRID 22 060290055061344 09 KERN 34.839012 -118.386843 NAD83 https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700553 EGRID:60591				

1	145 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD A SOLAR LLC CA	FINDS/FRS
Registry ID: FIPS Code: HUC Code: Site Type Name: Location Description: Supplemental Location: Create Date: Update Date: Interest Types: SIC Codes: SIC Code Descriptions: NAICS Codes: NAICS Code Descriptions: Conveyor: Federal Facility Code: Federal Agency Name: Tribal Land Code: Tribal Land Name: Congressional Dist No: Census Block Code: EPA Region Code:		110070700626 6029 18090206 02-APR-20 ELECTRIC POWER GENERATOR (SOLAR BASED) EGRID 22 060290055061788 09				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
County Name: US/Mexico Border Ind: Latitude: Longitude: Reference Point: Coord Collection Method: Accuracy Value: Datum: Source: Facility Detail Rprt URL: Program Acronyms:		KERN				
		34.819	-118.432			
		NAD83				
		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700626				
		EGRID:59868				

1	146 of 149	WSW	0.00 / 0.00	2,436.50 / -124	KINGBIRD B SOLAR, LLC	FINDS/FRS
			CA			
Registry ID:		110070700627				
FIPS Code:		6029				
HUC Code:		18090206				
Site Type Name:						
Location Description:						
Supplemental Location:						
Create Date:		02-APR-20				
Update Date:						
Interest Types:		ELECTRIC POWER GENERATOR (SOLAR BASED)				
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:		EGRID				
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:		22				
Census Block Code:		060290055061942				
EPA Region Code:		09				
County Name:		KERN				
US/Mexico Border Ind:						
Latitude:		34.824206				
Longitude:		-118.438547				
Reference Point:						
Coord Collection Method:						
Accuracy Value:						
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700627				
Program Acronyms:						
EGRID:60091						

1	147 of 149	WSW	0.00 / 0.00	2,436.50 / -124	GOLDEN FIELDS SOLAR I, LLC	FINDS/FRS
		CA				
Registry ID: FIPS Code: HUC Code: Site Type Name: Location Description: Supplemental Location:		110070700882 6029 18090206 				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<div> <div>Create Date:</div>02-APR-20 <div>Update Date:</div> <div>Interest Types:</div>ELECTRIC POWER GENERATOR (SOLAR BASED) <div>SIC Codes:</div> <div>SIC Code Descriptions:</div> <div>NAICS Codes:</div> <div>NAICS Code Descriptions:</div> <div>Conveyor:</div>EGRID <div>Federal Facility Code:</div> <div>Federal Agency Name:</div> <div>Tribal Land Code:</div> <div>Tribal Land Name:</div> <div>Congressional Dist No:</div>22 <div>Census Block Code:</div>060290055061344 <div>EPA Region Code:</div>09 <div>County Name:</div>KERN <div>US/Mexico Border Ind:</div> <div>Latitude:</div>34.839012 <div>Longitude:</div>-118.386843 <div>Reference Point:</div> <div>Coord Collection Method:</div> <div>Accuracy Value:</div> <div>Datum:</div>NAD83 <div>Source:</div> <div>Facility Detail Rprt URL:</div>https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070700882 <div>Program Acronyms:</div> <div>EGRID:60590</div> </div>						
1	148 of 149	NNE	0.00 / 0.00	2,436.50 / -124	North Rosamond Solar 12507 Rosamond Blvd Rosamond CA	KERN CUPA
<div> <div>Facility ID:</div>FA0048682 <div>CERS ID:</div>10805884 <div>Mailing Address:</div>3600 Pegasus Drive Suite 8 <div>Mailing State:</div>CA <div>Mailing Address 2:</div> <div>Mailing Zip:</div>93308 <div>Mailing City:</div>Bakersfield </div>						
<u>Detail(s)</u>						
<div> <div>Billing Status:</div>Active, billable <div>Prog Element Code:</div>CB2T <div>Current Inspection Dt:</div>5/1/2021 <div>Program Element:</div>BUS PLAN MED LOW RISK 1 UNIT <div>HMIRRP Due Date:</div> <div>Employee:</div>CUPA 9 <div>Report Source:</div>CUPA - Hazardous Material Business Plan (HMBP) Inventory </div>						
1	149 of 149	W	0.00 / 0.00	2,436.50 / -124	ROSAMOND CENTRAL SOLAR PROJECT MCCARTHY BUILDING COMPANIES 14968 HOLIDAY AVE ROSAMOND CA 93560	RCRA NON GEN
<div> <div>EPA Handler ID:</div>CAL000455710 <div>Gen Status Universe:</div>No Report <div>Contact Name:</div>VINCENT EDWARDS <div>Contact Address:</div>7043 REMO WAY, , SACRAMENTO, CA, 95822, <div>Contact Phone No and Ext:</div>916-305-0633 <div>Contact Email:</div>VEDWARDS@MCCARTHY.COM <div>Contact Country:</div> <div>County Name:</div>KERN <div>EPA Region:</div>09 <div>Land Type:</div> <div>Receive Date:</div>20200721 </div>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200721
Handler Name: ROSAMOND CENTRAL SOLAR PROJECT MCCARTHY BUILDING COMPANIES
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Other	Street 1:	6225 N 24TH ST STE 200
Name:	MCCARTHY BUILDING COMPANIES	Street 2:	
Date Became Current:		City:	PHOENIX
Date Ended Current:		State:	AZ
Phone:	480-449-4700	Country:	
Source Type:	Implementer	Zip Code:	85016
Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	7043 REMO WAY
Name:	VINCENT EDWARDS	Street 2:	
Date Became Current:		City:	SACRAMENTO
Date Ended Current:		State:	CA
Phone:	916-305-0633	Country:	
Source Type:	Implementer	Zip Code:	95822

2	1 of 2	E	0.01 / 42.27	2,426.00 / -134	1X TAPIA BRO/INI FARMS GASKELL RD /85TH STREET ROSEMOND CA 935600000	HAZNET
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SIC Code:		Mailing City:	VAN NUYS
NAICS Code:		Mailing State:	CA
EPA ID:	CAC000659744	Mailing Zip:	914060000
Create Date:	12/13/1991	Region Code:	1
Fac Act Ind:	No	Owner Name:	FELIX TAPIA
Inact Date:	10/25/2000	Owner Addr 1:	--
County Code:	15	Owner Addr 2:	--
County Name:	Kern	Owner City:	--
Mail Name:		Owner State:	99
Mailing Addr 1:	6908 DECELIS PLACE	Owner Zip:	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Mailing Addr 2: Owner Fax:				Owner Phone:	0000000000	
Contact Information						
Contact Name:		CRAIG CORNET/CONTRACTOR				
Street Address 1:						
Street Address 2:						
City:						
State:		99				
Zip:						
Phone:		8055895220				
<u>2</u>	2 of 2	E	0.01 / 42.27	2,426.00 / -134	GASKELL RD /85TH STREET ROSEMOND CA 935600000	HIST MANIFEST
Gen EPA ID:		CAC000659744				
Create Date:		12/13/1991 0:00:00				
Inact Date:		10/25/2000 0:00:00				
Facility Mail Street:		6908 DECELIS PLACE				
Facility Mail City:		VAN NUYS				
Facility Mail State:		CA				
Facility Mail Zip:		914060000				
Contact Phone(s):		8055895220				
File Year(s):		1991				
Contact Name(s):		CRAIG CORNET/CONTRACTOR				
Tanner Information						
Method Description:						
Tons:		0				
Year:		1991				
Generator County Code:		15				
Generator County:		Kern				
Method Code:						
Tsd County Code:		15				
Tsd County:		Kern				
State Waste Code:						
State Waste Code Desc:						
Tsd Epa ID:		CAD980883177				
Tanner Information						
Method Description:						
Tons:		6.67				
Year:		1991				
Generator County Code:		15				
Generator County:		Kern				
Method Code:		1				
Tsd County Code:		15				
Tsd County:		Kern				
State Waste Code:		225				
State Waste Code Desc:						
Tsd Epa ID:		CAD980883177				
<u>3</u>	1 of 2	E	0.01 / 47.98	2,426.00 / -134	TAPIA BROS INC 85TH ST & GASKELL ROSAMOND CA 91406	HHSS
County:						
Pdf File Url:		http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00025126.pdf				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of 2	E	0.01 / 47.98	2,426.00 / -134	TAPIA BROS. INC. 85TH ST & GASKELL ROSAMOND CA	HIST TANK
Owner Name:		TAPIA BROS. INC.		No of Containers:		2
Owner Street:		6908 DE CELIS PL.		County:		KERN
Owner City:		VAN NUYS		Facility State:		CA
Owner State:		CA		Facility Zip:		91406
Owner Zip:		91406				
4	1 of 4	ESE	0.09 / 455.36	2,424.68 / -136	TAPIA BROS INC 8425 AVE A ROSAMOND CA 93560	AST
Total Capacity(Gal):		3,480		Owner Name:		TAPIA BROS INC
CUPA:		Kern		County:		Kern
4	2 of 4	ESE	0.09 / 455.36	2,424.68 / -136	TAPIA BROS INC 8425 AVE A 8425 AVE A ROSAMOND CA	KERN CUPA
Facility ID:		FA0001164		CERS ID:		10232062
Mailing Address:		5251 Hayvenhurst Ave.		Mailing State:		CA
Mailing Address 2:				Mailing Zip:		91436
Mailing City:		Encino				
<u>Detail(s)</u>						
Billing Status:		Inactive, non-billable		Prog Element Code:		CRSM
Current Inspection Dt:		10/1/2011		Program Element:		SIMPLE MULTIPLE CATEGORY-BIENNIAL INSP
HMIRRP Due Date:				Employee:		CalARP
Report Source:		CUPA - California Accidental Release Program (CalARP) Inventory				
<u>Detail(s)</u>						
Billing Status:		Active, billable		Prog Element Code:		CB2T
Current Inspection Dt:		2/1/2022		Program Element:		BUS PLAN MED LOW RISK 1 UNIT
HMIRRP Due Date:		12/31/2013		Employee:		CUPA 9
Report Source:		CUPA - Hazardous Material Business Plan (HMBP) Inventory				
<u>Detail(s)</u>						
Billing Status:		Active, billable		Prog Element Code:		CG07
Current Inspection Dt:		2/1/2022		Program Element:		SMALL QUANTITY HAZARDOUS WASTE GENERATOR
HMIRRP Due Date:				Employee:		CUPA 9
Report Source:		CUPA - Hazardous Waste (HW) Facilities				
4	3 of 4	ESE	0.09 / 455.36	2,424.68 / -136	TAPIA BROS INC 8425 AVE A 8425 AVE A ROSAMOND CA 93560	KERN AST
Facility ID:		FA0001164		Cers ID:		10232062
Mailing Address:		5251 Hayvenhurst Ave.		Mailing States:		CA
Mailing Address 2:				Mailing Zip:		91436
Mailing City:		Encino				

Kern County - AST Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<hr/>						
Billing Status:	Active, billable				Desig Employee: CUPA 9	
Current Inspection Dt:	2/1/2022				HMIRRP Due Date: 12/31/2013	
Program Element Code:	CD05					
Program Element:	CONDITIONALLY EXEMPT FROM APSA					
Billing Status:	Inactive, non-billable				Desig Employee: CUPA 9	
Current Inspection Dt:	10/1/2011				HMIRRP Due Date:	
Program Element Code:	CD00					
Program Element:	APSA PROGRAM					
<hr/>						
4	4 of 4	ESE	0.09 / 455.36	2,424.68 / -136	TAPIA BROS INC 8425 AVE A ROSAMOND CA 93560	DELISTED CTNK
Site ID:	403496			Latitude:		
County:				Longitude:		
Original Source:	CTNK			Record Date:	06-MAY-2019	

Unplottable Summary

Total: 69 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CDL		170TH ST (W 3 MI N ROSAMOND BLVD)	KERN CA	93309	820123377
CHMIRS	UPRR	393.93 MP, Mojave Subdivision <i>Control No Notified Date:</i> 20-4064 7/31/2020 2:44:00 AM	Rosamond CA	93560	884511156
CHMIRS	Union Pacific Railroad (UPRR)	Milepost marker #405.07 of the Mojave Subdivision - West Avenue I <i>Control No Notified Date:</i> 20-2855 5/29/2020 5:53:00 AM	Lancaster CA		884511275
CHMIRS	UPRR	MP 407 of the Mojave Sub division <i>Control No Notified Date:</i> 19-2026 3/27/2019 1:20:00 AM	Lancaster CA	93534	875358379
CHMIRS	UPRR	MPM 336.14 on the Mojave Sub <i>Control No Notified Date:</i> 18-1939 3/24/2018 1:51:00 PM	Unincorporated county area Kern Basin Area CA		867287714
CHMIRS	UPRR	Avenue K, MP 407.1 on the Mojave Subdivision <i>Control No Notified Date:</i> 17-4604	Lancaster CA	93534	867287123
CHMIRS	env mngmnt	near fuel cell edwards afb <i>Control No Notified Date:</i> 2/15/1995	CA		860462736
CHMIRS	Union Pacific Railroad	Milepost marker 407.0 of the Mojave subdivision (DOT #750608B) <i>Control No Notified Date:</i> 17-0442	Lancaster CA	93535	860458451
CHMIRS	Union Pacific Railroad	MPM 396.1 of the Mojave sub-division <i>Control No Notified Date:</i> 15-5122	Rosamond CA	93560	836812184
CHMIRS	UPRR	MP 405.5 of the Mojave Sub <i>Control No Notified Date:</i> 15-2187	Lancaster CA	93535	825419245

CHMIRS	UPRR	MP 394.5 on the Mojave Sub, nearest Sierra Highway and Center Street Control No Notified Date: 14-6727	Rosamond CA		825416018
CHMIRS	UPRR	405.5 MPM, Mojave Sub-division Control No Notified Date: 5/3/200303:38:17 PM	Lancaster CA		821892654
CHMIRS	UPRR	MPM 411 on the Mojave Subdivision, 1 mile south of West Avenue N Control No Notified Date: 12-2041	Lancaster CA	93551	821890728
CHMIRS	UPRR	MPM 399 on Mojave Sub division Control No Notified Date: 5/21/200112:14:05 AM	Lancaster CA		821878486
CHMIRS	UPRR	Subdivision Mojave at MM 406.1 Control No Notified Date: 06-2262	Lancaster CA		821872797
CHMIRS	CHP Bishop	NB 14 just off Rosamond Blvd Control No Notified Date: 13-7793	Rosamond CA		821790116
CHMIRS	Satthos Environmental Inc	Approximately one mile north of Rosamond Blvd and 170 St West Control No Notified Date: 11-5178	Rosamond CA	93560	821788673
CHMIRS	UPRR	405 Mojave Subdivision Control No Notified Date: 4/12/200208:03:30 PM	Lancaster CA		821868809
CHMIRS	Edwards Air Force Base	near Building # 1199, Edwards AFB Control No Notified Date: 12-2498	Unincorporated county area CA		821859855
CHMIRS	UPRR	MP 393.1 of the Mojave Sub Division Control No Notified Date: 14-2012	Rosamond CA		821856371
CHMIRS	UPRR	community of Edison, MPM 319.5, Subdivision, Mojave Control No Notified Date: 06-3190	Unincorporated county area CA		821850998
CHMIRS	UPRR	mile marker 344.5 of the Mojave subdivision. Control No Notified Date: 12-0277	Unincorporated county area CA		821822686
CHMIRS	UPRR	MP 356 to MP 358 on the Mojave	Unincorporated		821886836

Sub, nearest town Tehachapi county area Kern
Eastern Portion CA
Control No | Notified Date: 13-5941 |

CHMIRS	UPRR	NB Mojave sub division from MPM 365 to 401 Control No Notified Date: 08-5306	Lancaster CA		821879798
CHMIRS	UPRR	MPM 404.4 of the Mojave Subdivision Control No Notified Date: 14-4402	Lancaster CA		821794362
CHMIRS	UPRR	MPM 406.1 Mojave Subdivision Control No Notified Date: 8/17/200110:43:37 PM	Lancaster CA		821793222
CHMIRS	UPRR	MPM 409.06 on the Mojave Subdivision, Avenue M Crossing, closest cross street is Sierra Highway Control No Notified Date: 09-2150	Lancaster CA	93550	821784639
CHMIRS	UPRR	MP 342.25 on the Mojave Sub. Control No Notified Date: 13-2685	Unincorporated county area Kern Basin Area CA		821784378
CHMIRS	UPRR	MPM 407.0 Mojave Subdivision Control No Notified Date: 6/20/200101:48:19 AM	Lancaster CA		821770783
CHMIRS	Edison	155th St West S/O Gaskell Rd Control No Notified Date: 3/16/200112:39:23 PM	Rosamond CA		821867932
CHMIRS	UPRR	At Rosamond Blvd at Mojave subdivision MP 393.9 Control No Notified Date: 5/20/199902:19:46 AM	Rosamond CA		821863574
CHMIRS	So. Cal. Edison	110th Street West north of Ave A Control No Notified Date: 11-1386	Rosamond CA		821863160
CHMIRS	UPRR	On the Mojave Subdivision at MP 410.1 Control No Notified Date: 2/11/200502:12:32 PM	Lancaster CA	68179	821841803
CHMIRS	SoCal Edison	Rosamond Blvd west of 150th Street Control No Notified Date: 12-0837	Rosamond CA		821824709

CHMIRS	UPRR	MPM 347.8 on the Mojave Subdivision, closest cross streets are Avenue E and Tehachapi Woodford Road, closest city is Keene <i>Control No Notified Date:</i> 11-2430	Unincorporated county area CA	93561	821823557
CHMIRS	UPRR	Mile Post 365 Mojave Sub Div. <i>Control No Notified Date:</i> 4/30/200509:24:44 PM	CA		821810553
CHMIRS	UPRR	Mojave Sub Division MP 410 <i>Control No Notified Date:</i> 14-2502	Lancaster CA	93550	821802884
CHMIRS	UPRR	MPM 407 on Mojave sub, near Ave K <i>Control No Notified Date:</i> 11-6147	Lancaster CA		821797678
EMISSIONS	KINGBIRD SOLAR A, LLC	KINGBIRD AVE AND 180 STREET WEST	ROSAMOND CA	93560	875708105
EMISSIONS	SOLAR STAR XX, LLC	AVENUE A AND ROSAMOND BLVD.	ROSAMOND CA	93560	875707727
EMISSIONS	ROSAMOND SOLAR PROJECT-PHASE 3	38874 HOLIDAY AVENUE	ROSAMOND CA	93560	875707682
EMISSIONS	SOLAR STAR XIX, LLC	AVENUE A AND PATTERSON ROAD	ROSAMOND CA	93560	875706104
ERNS		MP 407 MOJAVE SUB	LANCASTER CA		879600565
ERNS		MP: 394.5 SUB: MOJAVE	ROSAMOND CA		825410537
ERNS		MP: 396.1 SUB: MOJAVE	ROSAMONT CA		825403228
ERNS		200-300 YDS NORTH OF ROSAMOND BLVD & 100YDS, EAST OF UNITED STREET	ROSAMOND CA		806730827

ERNS		MILEPOST 405.07,SUB MOJAVE	LANCASTER CA		886701147
ERNS		MOJAVE SUB	LANCASTER CA		806676631
FINDS/FRS	155TH STREET DISPOSAL SITE	NEAR 155TH STREET AND AVENUE	LANCASTER CA	93534	816464467
HAZNET	KERN COUNTY GENERAL SERVICES	1/2 MILE WEST OF HWY 14 ON AVE A	ROSAMOND CA	935600000	826401754
HAZNET	JOHN CALAMDRI FARMS	GASKELL RD	ROSAMOND CA	93560	826843151
HAZNET	MARITORENA FARMS	140TH & AVE A8	LANCASTER CA	935600000	826167450
HAZNET	FRANK PANENELL	2715 CENTER ROSAMOND	ROSAMOND CA	935600000	826587404
HAZNET	BURTON BROTHERS	3/4 MILES N OF ROSAMOND BLVD	ROSAMOND CA	920410000	826681206
HAZNET	GLADDIS, PEVLER, FRISCH, HOELCKER	170TH STREET WEST 3 MILES N OF	ROSAMOND CA	900000000	826795087
HAZNET	CURT CHRISTIANSON TRUCKING	NB 14 BETWEEN AVENUE A AND ROSAMOND	LANCASTER CA	93535	826873649
HHSS	NORTHROP CORPORATION ADVANCED	170TH STREET WEST, ROSAMOND BO	ROSAMOND CA	93560	822961791
HHSS	ARMANDO IARUSSI	R 1 BOX 300 HOLIDAY	ROSAMOND CA	93568	822950171
HIST CHMIRS		AVE. A	ROSAMOND CA		826018757

HIST CHMIRS		2.5 MILES NORTH OF ROSAMOND ON UNITED STREET	ROSAMOND CA		826023595
HIST TANK	NORTHROP CORPORATION, ADVANCED	170TH STREET WEST, ROSAMOND BO	ROSAMOND CA		865053584
KERN AST	Grimmway - Silvershields Ranch	125th Street West 125th Street West Facility ID: FA0038428 Billing Status: Inactive, non-billable	Rosamond CA	93560	867197696
KERN CUPA	Grimmway - Silvershields Ranch	125th Street West 125th Street West	Rosamond CA		822792703
LA COUNTY CUPA	SCE Piute Substation	N/E C/O E Ave J & 90th St	LANCASTER CA	93535	877464735
LA COUNTY CUPA	SCE GLOW SUBSTATION	98TH ST WEST AND AVE I	LANCASTER CA	93536	877467927
LA COUNTY CUPA	VERIZON BUSINESS - WILOCA	MUNZ / AQUEDUCT	LANCASTER CA	93536	877464727
LA SML	SOLAR STAR CALIFORNIA XIX, LLC	000 W AVENUE A	LANCASTER CA	93536	820047933
SEMS ARCHIVE	AVENUE A	1/2 MI W OF W 10TH ST ALONG AVENUE A EPA ID: CAD982404873	ROSAMOND CA	93560	828852552
SWF/LF	155th Street Disposal Site	Near 155th Street And Avenue 'h'	Lancaster CA	92816	885735295

Unplottable Report

Site: 170TH ST (W 3 MI N ROSAMOND BLVD) KERN CA 93309 CDL

Clue: 1996-02-035
Date: 2/7/1996
County: KERN
Lab Type: L
Lab Type Description: Illegal Drug Lab - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

Site: UPRR CHMIRS
393.93 MP, Mojave Subdivision Rosamond CA 93560

Control No: 20-4064
Notified Date Time: 7/31/2020 2:44:00 AM
County: Kern County
URL: 2020

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 07/31/2020 02:44 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 20-4064
Control NRC:
Date : 07/31/2020
Incident Date: 07/31/2020
Time: 0244
Incident Time: 0226
Water Involved: No
Drink Wtr Impact: No
Qty 1: =
Measure 1: N/A
Type 1: RAILROAD
Pipeline 1: No
Ves >= 300 Tons 1: No
Qty 2: =
Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tns 2: No
Qty 3: =
Amount 3:
Measure 3:

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:
PRS Ext:
PRS Pag Cell:
Received By:
Header Unknown: KERN COUNTY APCD
Incident Desc:
R R Crssing < 50 Ft: Yes
Upr Rim : See Confidential
Notification Info:
Notification List:
DOG Unit:
RWQCB Unit: 6B
Injuries: No
Fatality: No

Incident Location: 393.93 MP, Mojave Subdivision
Reported Cause:
Amount 1: N/A
Substance 1: Train vs vehicle
Substance 2:
Substance 3:
Waterway:
Contained:
Known Impact: None
Other 1:
Detail for Other:
Site: Rail Road
On Scene: CHP, Sheriff Ofc.
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: Unknown
Agency: UPRR
PRS Agency:
Admin Agency: Kern Co. Environmental Health Services Department
Sec Agency:
Additional County:
Admin Agency 2:
Description: Per Caller: Freight train collided with an unoccupied vehicle. Happend on the crossroad no derailment or spill occurred.

California Hazardous Material Incident Report System (2020)

Incident Date:	7/31/2020	Dog No:	
Time:	226	A2 Substance:	
Spill Site:	Rail Road	A2 Quantity:	
Site:		A2 Measure:	
Contained:		A2 Type:	
Water:	No	A2 Other:	
Water Way:		A2 Pipeline:	No
Injuries Yes/No:	No	A2 Vessel 300 Tons:	No
Injuries No:		A3 Substance:	
Fatals Yes/No:	No	A3 Quantity:	
Fatals No:		A3 Measure:	
Evacs Yes/No:	No	A3 Type:	
Evacs No:		A3 Other:	
Cleanup:	Unknown	A3 Pipeline:	No
Cause:		A3 Vessel 300 Tons:	No
A1 Substance:	Train vs vehicle	Cause Other:	
A1 Other:		Drinking Water	No
		Impact:	
A1 Quantity:	N/A	Known Impact:	None
A1 Measure:	N/A	City:	Rosamond
A1 Type:	RAILROAD	County:	Kern County
A1 Pipeline:	No	Zip:	93560
A1 Vessel 300 Tons:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DTSC,RWQCB,US EPA,USFWS,PUC,Co/WP		
Description:	Per Caller: Freight train collided with an unoccupied vehicle. Happend on the crossroad no derailment or spill occurred.		
Location:	393.93 MP, Mojave Subdivision		

Site: Union Pacific Railroad (UPRR)
 Milepost marker #405.07 of the Mojave Subdivision - West Avenue I Lancaster CA

CHMIRS

Control No:	20-2855	Notified Date:	5/29/2020 5:53:00 AM
Notified Date Time:		Year:	2020
County:	Los Angeles County		
URL:			

Spill Report View

Amount 1:	Creation Date:	05/29/2020 05:53 AM
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Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES:	20-2855	Type 3:	
Control NRC:	1278351	Other 3:	
Date :	05/29/2020	Pipeline 3:	No
Incident Date:	05/29/2020	Ves >= 300 Tons 3:	No
Time:	0553	Name:	
Incident Time:	0513	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:	1	Incident Desc:	
Measure 2:	Gal(s)	R R Crssing < 50 Ft:	Yes
Type 2:	PETROLEUM	Upr Rim :	See Confidential Section
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	Yes
			Fatals #: 2

Incident Location: Milepost marker #405.07 of the Mojave Subdivision - West Avenue I

Reported Cause: Collision

Amount 1: 1

Substance 1: Train vs. Vehicle

Substance 2: Gasoline

Substance 3:

Waterway: None

Contained: Stopped, Contained

Known Impact: Road Closure

Other 1:

Detail for Other:

Site: Rail Road

On Scene: Fire Dept., Sheriff Ofc.

Other on Scene:

Other Notified: None

Evacuation: No

Cleanup By: Reporting Party

Agency: Union Pacific Railroad (UPRR)

PRS Agency:

Admin Agency: LACoFD Health Haz-Mat

Sec Agency:

Additional County:

Admin Agency 2:

Description: UPRR train #MPDWC of the 27th and a passenger vehicle were involved in a collision at or near railroad crossing DOT #750640U. The vehicle caught on fire and released an estimated 1 gallon of gasoline onto ballast. The Los Angeles Sheriff's Department and the Los Angeles Fire Department responded to the scene and the fire was extinguished. Three passengers were located inside the vehicle. Two of the three passengers were pronounced as fatalities. The train has remained on station. No railcar derailments were reported. Multiple UPRR safety personnel are en route to assist with the investigation.

California Hazardous Material Incident Report System (2020)

Incident Date: 5/29/2020
Time: 513
Spill Site: Rail Road
Site: None
Contained: Stopped, Contained
Water: No
Water Way: None
Injuries Yes/No: No
Injuries No:
Fatals Yes/No: Yes
Fatals No: 2
Evacs Yes/No: No
Evacs No:
Cleanup: Reporting Party
Cause: Collision
A1 Substance: Train vs. Vehicle
A1 Other:

A1 Quantity: 1
A1 Measure: N/A
A1 Type: RAILROAD
A1 Pipeline: No
A1 Vessel 300 Tons: No

Admin Agency: LACoFD Health Haz-Mat

Notification Area: AA/CUPA, DTSC, RWQCB, US EPA, USFWS, PUC, Co/WP, Co/E-Hlth

Description: UPRR train #MPDWC of the 27th and a passenger vehicle were involved in a collision at or near railroad crossing DOT #750640U. The vehicle caught on fire and released an estimated 1 gallon of gasoline onto ballast. The Los Angeles Sheriff's Department and the Los Angeles Fire Department responded to the scene and the fire was extinguished. Three passengers were located inside the vehicle. Two of the three passengers were pronounced as fatalities. The train has remained on station. No railcar derailments were reported. Multiple UPRR safety personnel are en route to assist with the investigation.

Location: Milepost marker #405.07 of the Mojave Subdivision - West Avenue I

Dog No:
A2 Substance: Gasoline
A2 Quantity: 1
A2 Measure: Gal(s)
A2 Type: PETROLEUM
A2 Other:
A2 Pipeline: No
A2 Vessel 300 Tons: No
A3 Substance:
A3 Quantity:
A3 Measure:
A3 Type:
A3 Other:
A3 Pipeline: No
A3 Vessel 300 Tons: No
Cause Other:
Drinking Water Impact: No
Known Impact: Road Closure
City: Lancaster
County: Los Angeles County
Zip:

Site: UPRR
MP 407 of the Mojave Sub division Lancaster CA 93534

CHMIRS

Control No: 19-2026
Notified Date Time:
County: Los Angeles County
URL:

Notified Date: 3/27/2019 1:20:00 AM
Year: 2019

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 03/27/2019 01:20 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 19-2026
Control NRC:
Date : 03/27/2019
Incident Date: 03/27/2019
Time: 0120
Incident Time: 1253
Water Involved: No
Drink Wtr Impact: No
Qty 1: =
Measure 1: N/A

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:

Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	No
Type 2:		Uprrr Rim :	See Confidential
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	Yes
			Fatals #: 1

Incident Location:	MP 407 of the Mojave Sub division
Reported Cause:	Unknown
Amount 1:	N/A
Substance 1:	Train vs trespasser
Substance 2:	
Substance 3:	
Waterway:	
Contained:	Other
Known Impact:	None
Other 1:	
Detail for Other:	No release
Site:	Rail Road
On Scene:	Fire Dept., Sheriff Ofc.
Other on Scene:	
Other Notified:	
Evacuation:	No
Cleanup By:	Unknown
Agency:	UPRR
PRS Agency:	
Admin Agency:	LACoFD Health Haz-Mat
Sec Agency:	
Additional County:	
Admin Agency 2:	
Description:	RP states: A northbound train (MWCRV of the 26th Lead locomotive 5778) at MP 407 of the Mojave sub division struck an individual laying on the tracks resulting in a fatality.

Spill Report View

Amount 1:		Creation Date:	03/27/2019 01:42 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date:	03/27/2019
Notify Time:	0120
Occurrence Date:	03/27/2019
Occurrence Time:	1253
Upd Known Impact:	
Update Cause:	
Pers Notifying Upd Place:	
Pers Notifying Upd Nme:	
Phone No:	
Ext:	
Pag Cell:	
Fax Notifi List:	AA/CUPA, DTSC, RWQCB, US EPA, USFWS, PUC, Co/WP, Co/Hlth, Co/E-Hlth

Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Los Angeles County
Unknown Header: ANTELOPE VALLEY AQMD
Substance 1: Train vs trespasser
Qty Amount 1: N/A
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: LACoFD Health Haz-Mat
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/3a9c944eb86ac9dc882583ca002fceef?OpenDocument>
NRC: 1241170
Update Description:

Situation Update:

Per NRC report "CALLER STATED THAT A NORTHBOUND FREIGHT TRAIN STRUCK A TRESPASSER RESULTING IN A FATALITY. CALLER ALSO STATED THAT THERE WAS NO RELEASE OR POTENTIAL FOR RELEASE OF ANY HAZARDOUS MATERIALS INVOLVED IN THE INCIDENT."

Original Description:

RP states: A northbound train (MWCRV of the 26th Lead locomotive 5778) at MP 407 of the Mojave sub division struck an individual laying on the tracks resulting in a fatality.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

California Hazardous Material Incident Report System (2019)

Incident Date:	3/27/2019	Dog No:
Time :	1253	A2 Substance:
Spill Site:	Rail Road	A2 Quantity:
Site:		A2 Measure:
Contained:	Other	A2 Type:
Water :	No	A2 Other:

Water Way:		A2 Pipeline:	No
Injuries Yes/No:	No	A2 Vessel 300 Tons:	No
Injuries No:		A3 Substance:	
Fatals Yes/No:	Yes	A3 Quantity:	
Fatals No:	1	A3 Measure:	
Evacs Yes/No:	No	A3 Type:	
Evacs No:		A3 Other:	
Cleanup:	Unknown	A3 Pipeline:	No
Admin Agency:	LACoFD Health Haz-Mat	A3 Vessel 300 Tons:	No
Cause:	Unknown	Cause Other:	
A1 Substance:	Train vs trespasser	Drink Water Impact:	No
A1 Other:		Known Impact:	None
A1 Quantity:	N/A	Location:	MP 407 of the Mojave Sub division
A1 Measure:	N/A	City:	Lancaster
A1 Type:	RAILROAD	County:	Los Angeles County
A1 Pipeline:	No	Zip:	93534
A1 Vessel 300 Tons:	No		
Description:	RP states: A northbound train (MWCVRV of the 26th Lead locomotive 5778) at MP 407 of the Mojave sub division struck an individual laying on the tracks resulting in a fatality.		
Notification Area:	AA/CUPA,DTSC,RWQCB,US EPA,USFWS,PUC,Co/WP,Co/Hlth,Co/E-Hlth		

Site: UPRR
MPM 336.14 on the Mojave Sub Unincorporated county area Kern Basin Area CA

CHMIRS

Control No:	18-1939	Notified Date:	3/24/2018 1:51:00 PM
Notified Date Time:		Year:	2018
County:	Kern County		
URL:			

California Hazardous Material Incident Report System (2018)

Contained:	Yes	Incident Date:	3/24/2018
1 Substance:	Railcar	Incident Time:	1336
1 Quantity:	1	Spill Site:	Rail Road
1 Measure:	N/A	Injuries?:	No
1 Type:	RAILROAD DERAILMENT	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
1 Other:		Evacs?:	No
2 Substance:		No of Evacs:	
2 Quantity:		Cleanup:	Unknown
2 Measure:		Site:	
2 Type:		Cause:	Unknown
2 Other:		Cause Other:	
2 Pipeline:	No	Drnkng Wtr Impacted:	No
2 Ves >= 300 Tons:	No	Known Impact:	Unknown
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area Kern Basin Area
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:	No	DOG No:	
3 Vessel >= 300 Tons:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DTSC,RWQCB,US EPA,USFWS,PUC		
Location:	MPM 336.14 on the Mojave Sub		
Description:	RP states, Due to unknown causes, a railcar derailed and then re-railed itself. It is currently unknown if the railcar was loaded with anything at the time of the incident. No injuries or fatalities were reported from this incident. It is currently unknown if there was an impact to mainline traffic. No hazmat release reported from this incident.		

Spill Report View

Amount 1:		Creation Date:	03/24/2018 01:51 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD DERAILMENT	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	

Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Pag Cell:

Hazardous Materials Spill Report

Control Cal OES:	18-1939	Type 3:	
Control NRC:		Other 3:	
Date :	03/24/2018	Pipeline 3:	No
Incident Date:	03/24/2018	Ves >= 300 Tons 3:	No
Time:	1351	Name:	
Incident Time:	1336	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD DERAILMENT	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	SAN JOAQUIN VALLEY UNIFIED APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	No
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	5C
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	MPM 336.14 on the Mojave Sub		
Reported Cause:	Unknown		
Amount 1:	1		
Substance 1:	Railcar		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	Unknown		
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:			
Other on Scene:			
Other Notified:	Kern Co SO		
Evacuation:	No		
Cleanup By:	Unknown		
Agency:	UPRR		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	RP states, Due to unknown causes, a railcar derailed and then re-railed itself. It is currently unknown if the railcar was loaded with anything at the time of the incident. No injuries or fatalities were reported from this incident. It is currently unknown if there was an impact to mainline traffic. No hazmat release reported from this incident.		

Site: UPRR
Avenue K, MP 407.1 on the Mojave Subdivision Lancaster CA 93534

CHMIRS

Control No:	17-4604	Notified Date:	
Notified Date Time:		Year:	2017
County:	Los Angeles County		
URL:	https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/6690b94fc1e3757d8825814c006d2e1c?OpenDocument		

California Hazardous Material Incident Report System (2017)

Contained:	Yes	Incident Date:	6/27/2017
1 Substance:	Train vs Vehicle	Incident Time:	1228
1 Quantity:	N/A	Spill Site:	Rail Road
1 Measure:	N/A	Injuries?:	Yes
1 Type:	RAILROAD	No of Injuries:	1
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
1 Other:		Evacs?:	No
2 Substance:		No of Evacs:	
2 Quantity:		Cleanup:	Unrecoverable
2 Measure:		Site:	none
2 Type:		Cause:	Unknown
2 Other:		Cause Other:	
2 Pipeline:	No	Drinking Wtr Imp:	No
2 Vessel >= 300 Tons:	No	Known Impact:	None
3 Substance:		Water:	No
3 Quantity:		Water Way:	none
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	93534
3 Pipeline:	No	DOG No:	
3 Vessel >= 300 Tons:	No		
Admin Agency:	LACoFD Health Haz-Mat		
Notification Area:	AA/CUPA,DTSC,RWQCB,US EPA,USFWS,PUC		
Location:	Avenue K, MP 407.1 on the Mojave Subdivision		
Description:	Train IBRLC of the 25th collided with a vehicle at a crossing. One juvenile is being air lifted with unknown injuries. Unknown delays in service. Train traffic is stopped.		

Spill Report View

Amount 1:		Creation Date:	06/27/2017 12:52 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	17-4604	Type 3:	
Control NRC:		Other 3:	
Date :	06/27/2017	Pipeline 3:	No
Incident Date:	06/27/2017	Ves >= 300 Tons 3:	No
Time:	1252	Name:	
Incident Time:	1228	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	Yes
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	Yes
		Injuries #:	1
Measure 3:		Fatality:	No

Incident Location: Avenue K, MP 407.1 on the Mojave Subdivision
Reported Cause: Unknown
Amount 1: N/A
Substance 1: Train vs Vehicle
Substance 2:
Substance 3:
Waterway: none
Contained: Yes
Known Impact: None
Other 1:
Detail for Other:
Site: Rail Road
On Scene: Fire Dept., Police Dept.
Other on Scene:
Other Notified: CHP
Evacuation: No
Cleanup By: Unrecoverable
Agency: UPRR
PRS Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:
Additional County:
Admin Agency 2:
Description: Train IBRLC of the 25th collided with a vehicle at a crossing. One juvenile is being air lifted with unknown injuries. Unknown delays in service. Train traffic is stopped.

Site: env mngmnt
 near fuel cell edwards afb CA

CHMIRS

Control No:
Notified Date Time: 11:09:40 PM
County: KERN
URL:
Notified Date: 2/15/1995
Year: 1995

California Hazardous Material Incident Report System (as of 1993 to 1996)

Contained: NO
Substance: jp 8 fuel
Type: PETROLEUM
Qty:
Other:
Measure:
Amount: 20 al +/-
Water: YES
Water Way:
Location: near fuel cell edwards afb
Description: either human error or equipment malfunction - under inves tigation
Incident Date: 2/15/95 2100
Injuries?: NO
Fatals?: NO
Evacs?: NO
Cleanup: militARY HAZ-MAT TEAM
Site: MIL BASE
City:
County: KERN
Zip:

Site: Union Pacific Railroad
 Milepost marker 407.0 of the Mojave subdivision (DOT #750608B) Lancaster CA 93535

CHMIRS

Control No: 17-0442
Notified Date Time:
County: Los Angeles County
URL: https://w3.calema.ca.gov/operational/mal haz.
 nsf/f1841a103c102734882563e200760c4a/da2a63765f4810d2882580a80061556f?OpenDocument
Notified Date: 2017
Year:

California Hazardous Material Incident Report System (2017)

Contained: Yes
1 Substance: Soda ash
1 Quantity: Unknown
1 Measure: N/A
1 Type: CHEMICAL
1 Pipeline: No
1 Vessel >= 300 Tons: No
1 Other:
2 Substance:
Incident Date: 1/14/2017
Incident Time: 856
Spill Site: Rail Road
Injuries?: No
No of Injuries:
Fatals?: No
No of Fatals:
Evacs?: No
No of Evacs:

2 Quantity:		Cleanup:	Contractor
2 Measure:		Site:	None
2 Type:		Cause:	Unknown
2 Other:		Cause Other:	
2 Pipeline:	No	Drinking Wtr Imp:	No
2 Vessel >= 300 Tons:	No	Known Impact:	Unknown
3 Substance:		Water:	No
3 Quantity:		Water Way:	None
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	93535
3 Pipeline:	No	DOG No:	
3 Vessel >= 300 Tons:	No		

Admin Agency: LACoFD Health Haz-Mat
Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC
Location: Milepost marker 407.0 of the Mojave subdivision (DOT #750608B)
Description: A citizen contacted Union Pacific Railroad (UPRR) after observing a chemical powder release from a moving train to the ground. The location of the observed release was identified as railroad crossing DOT #750608B (Avenue K & Sierra Highway). The train identification number is #LOP92 of the 14th. The train was stopped at or near milepost marker 411 of the Mojave subdivision. It is unknown if the train has impacted any mainline railways or if road traffic has been impacted by the train stoppage. Patriot Environmental is enroute to the scene to perform a cleanup of the spill.

Spill Report View

Amount 1:		Creation Date:	01/14/2017 09:43 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	CHEMICAL	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	17-0442	Type 3:	
Control NRC:		Other 3:	
Date :	01/14/2017	Pipeline 3:	No
Incident Date:	01/14/2017	Ves >= 300 Tons 3:	No
Time:	0943	Name:	
Incident Time:	0856	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	CHEMICAL	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	Yes
Type 2:		Uprrr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	Milepost marker 407.0 of the Mojave subdivision (DOT #750608B)		
Reported Cause:	Unknown		
Amount 1:	Unknown		
Substance 1:	Soda ash		
Substance 2:			
Substance 3:			

Waterway: None
Contained: Yes
Known Impact: Unknown
Other 1:
Detail for Other:
Site: Rail Road
On Scene:
Other on Scene:
Other Notified: CHP
Evacuation: No
Cleanup By: Contractor
Agency: Union Pacific Railroad
PRs Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:
Additional County:
Admin Agency 2:
Description: A citizen contacted Union Pacific Railroad (UPRR) after observing a chemical powder release from a moving train to the ground. The location of the observed release was identified as railroad crossing DOT #750608B (Avenue K & Sierra Highway). The train identification number is #LOP92 of the 14th. The train was stopped at or near milepost marker 411 of the Mojave subdivision. It is unknown if the train has impacted any mainline railways or if road traffic has been impacted by the train stoppage. Patriot Environmental is enroute to the scene to perform a cleanup of the spill.

Site: Union Pacific Railroad
 MPM 396.1 of the Mojave sub-division Rosamond CA 93560

CHMIRS

Control No: 15-5122
Notified Date Time:
County: Kern County
URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/1a86fcfe6ab7297988257eb300082fef?OpenDocument>
Notified Date: 2015
Year: 2015

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Train vs. Trespasser	Incident Date:	8/31/2015
1 Measure:	N/A	Incident Time:	1820
1 Other:		Spill Site:	Rail Road
1 Quantity:	1	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	Yes
1 Vessel >= 300 Tons:	No	No of Fatals:	1
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Unknown
2 Type:		Site:	None
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	None
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	93560
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,Co/WP,Co/E-Hlth		
Location:	MPM 396.1 of the Mojave sub-division		
Description:	Train #IBRSIR of the 29th struck a trespasser at MPM 396.1 of the Mojave sub-division. There were no derailments or hazardous materials release associated with this incident. A main line closure has been imposed and the Kern County Sheriff's Department is on-scene.		

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Creation Date: 08/31/2015 07:21 PM
Received By:
Admin Agency:
Admin Agency 2:

Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: Cal OES-Update
Spill Site:
Cause Desc for Other:
Person Notifying Cal OES:

Additional County:
Phone No:
Ext:
Pag Cell:

OES Hazardous Materials Spill Update

Notify Date: 08/31/2015
Notify Time: 1829
Occurrence Date: 08/31/2015
Occurrence Time: 1820
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, Co/WP, Co/E-Hlth
Person Notifying Cal OES Union Pacific Railroad
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header: KERN COUNTY APCD
Substance 1: Train vs. Trespasser
Qty Amount 1: 1
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/c5ff6b86e6c1090e88257eb3000cf504?OpenDocument>
NRC: 1127258
Update Description:

08/31/2015 07:21:31 PM - Per NRC: "Caller reported that a trespasser was struck by a freight train which resulted in fatal injuries."
Remedial Actions: "State Patrol and Sheriff's Dept are on scene, investigation underway."

Additional Information: "Track closure is still ongoing."

Situation Update:

Per NRC: "Caller reported that a trespasser was struck by a freight train which resulted in fatal injuries."

Remedial Actions: "State Patrol and Sheriff's Dept are on scene, investigation underway."

Additional Information: "Track closure is still ongoing."

Original Description:

Train #IBRSIR of the 29th struck a trespasser at MPM 396.1 of the Mojave sub-division. There were no derailments or hazardous materials release associated with this incident. A main line closure has been imposed and the Kern County Sheriff's Department is on-scene.

OES Hazardous Materials Update Quantities

Amount:

Measure: N/A

Spill Report View

Amount 1:

Amount 2:

Amount 3:

Type: RAILROAD

Water:

On Scene:

Other on Scene:

Other Notified:

Document Title: SPILL Report

Spill Site: Rail Road

Cause Desc for Other:

Person Notifying Cal OES:

Creation Date:

08/31/2015 06:29 PM

Received By:

Admin Agency:

Admin Agency 2:

Additional County:

Phone No:

Ext:

Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 15-5122

Control NRC:

Date : 08/31/2015

Incident Date: 08/31/2015

Time: 1829

Incident Time: 1820

Water Involved: No

Drink Wtr Impact: No

Qty 1: =

Measure 1: N/A

Type 1: RAILROAD

Pipeline 1: No

Ves >= 300 Tons 1: No

Qty 2: =

Amount 2:

Measure 2:

Type 2:

Other 2:

Pipeline 2: No

Vessel >= 300 Tns 2: No

Qty 3: =

Amount 3:

Measure 3:

Type 3:

Other 3:

Pipeline 3: No

Ves >= 300 Tons 3: No

Name:

Phone:

Ext:

Pag Cell:

PRS Name:

PRS Phone:

PRS Ext:

PRS Pag Cell:

Received By:

Header Unknown: KERN COUNTY APCD

Incident Desc:

R R Crssing < 50 Ft:

Uprrr Rim :

Notification Info:

Notification List:

DOG Unit:

RWQCB Unit: 6B

Injuries: No

Fatality: Yes

Fatals #: 1

Incident Location: MPM 396.1 of the Mojave sub-division

Reported Cause: Unknown

Amount 1: 1

Substance 1: Train vs. Trespasser

Substance 2:

Substance 3:

Waterway: None

Contained: Yes

Known Impact: Unknown

Other 1:**Detail for Other:**

Site: Rail Road
On Scene: Sheriff Ofc.

Other on Scene:**Other Notified:**

Evacuation: No

Cleanup By: Unknown

Agency: Union Pacific Railroad

PRS Agency:

Admin Agency: Kern Co. Environmental Health Services Department

Sec Agency:**Additional County:****Admin Agency 2:**

Description: Train #IBRSIR of the 29th struck a trespasser at MPM 396.1 of the Mojave sub-division. There were no derailments or hazardous materials release associated with this incident. A main line closure has been imposed and the Kern County Sheriff's Department is on-scene.

Site: UPRR
 MP 405.5 of the Mojave Sub Lancaster CA 93535

CHMIRS

Control No: 15-2187

Notified Date:

Notified Date Time:

Year:

2015

County: Los Angeles County

URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/a2ee3b8b4c4e763188257e2b0030b4a6?OpenDocument>

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained: Yes

3 Ves >= 300 Tons:

No

1 Substance: Train vs Trespasser

Incident Date:

4/18/2015

1 Measure: N/A

Incident Time:

143

1 Other:

Spill Site:

Rail Road

1 Quantity: N/A

Injuries?:

No

1 Type: RAILROAD

No of Injuries:

1 Pipeline: No

Fatals?:

Yes

1 Vessel >= 300 Tons: No

No of Fatals:

1

2 Substance:

Evacs?:

No

2 Quantity:

No of Evacs:

2 Measure:

Cleanup:

N/A

2 Type:

Site:

2 Other:

Cause:

Human Error

2 Pipeline: No

Cause Other:

2 Vessel >= 300 Tons: No

Dog No:

3 Substance:

Water:

No

3 Quantity:

Water Way:

3 Measure:

City:

Lancaster

3 Type:

County:

Los Angeles County

3 Other:

Zip:

93535

3 Pipeline: No

Admin Agency: LACoFD Health Haz-Mat

Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC

Location: MP 405.5 of the Mojave Sub

Description: Per the caller a train struck a trespasser near the Lancaster Metrolink station. Train ID# QRVWCB of the 16th, Lead Locomotive# UP2534

Spill Report View

Amount 1:

Creation Date:

04/18/2015 02:33 AM

Amount 2:

Received By:

Amount 3:

Admin Agency:

Type:

RAILROAD

Admin Agency 2:

Water:

Additional County:

On Scene:

Phone No:

Other on Scene:

Ext:

Other Notified:

Pag Cell:

Document Title:

Cal OES-Update

Spill Site:

Cause Desc for Other:

Person Notifying Cal OES:

OES Hazardous Materials Spill Update

Notify Date: 04/18/2015
Notify Time: 0151
Occurrence Date: 04/18/2015
Occurrence Time: 0143
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, Co/E-Hlth
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Los Angeles County
Unknown Header: ANTELOPE VALLEY AQMD
Substance 1: Train vs Trespasser
Qty Amount 1: N/A
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: LACoFD Health Haz-Mat
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/efdc223636371b0988257e2b00347a84?OpenDocument>
NRC: 1113965
Update Description:

04/18/2015 02:33:12 AM - 04/18/15 0233 Hrs, Received NRC fax 1113965.

Situation Update:

04/18/15 0233 Hrs, Received NRC fax 1113965.

Original Description:

Per the caller a train struck a trespasser near the Lancaster Metrolink station. Train ID# QRVWCB of the 16th, Lead Locomotive# UP2534

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 04/18/2015 01:51 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 15-2187
Control NRC:
Date : 04/18/2015
Incident Date: 04/18/2015
Time: 0151
Incident Time: 0143
Water Involved: No
Drink Wtr Impact: No
Qty 1: =
Measure 1: N/A
Type 1: RAILROAD
Pipeline 1: No
Ves >= 300 Tons 1: No
Qty 2: =
Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tns 2: No
Qty 3: =
Amount 3:
Measure 3:

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:
PRS Ext:
PRS Pag Cell:
Received By:
Header Unknown: ANTELOPE VALLEY AQMD
Incident Desc:
R R Crssing < 50 Ft:
UprR Rim :
Notification Info:
Notification List:
DOG Unit:
RWQCB Unit: 6B
Injuries: No
Fatality: Yes
Fatals #: 1

Incident Location: MP 405.5 of the Mojave Sub
Reported Cause: Human Error
Amount 1: N/A
Substance 1: Train vs Trespasser
Substance 2:
Substance 3:
Waterway:
Contained: Yes
Known Impact: None
Other 1:
Detail for Other:
Site: Rail Road
On Scene: Sheriff Ofc.
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: N/A
Agency: UPRR
PRS Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:

Additional County:**Admin Agency 2:****Description:**

Per the caller a train struck a trespasser near the Lancaster Metrolink station. Train ID# QRVWCB of the 16th, Lead Locomotive# UP2534

Site: UPRR

MP 394.5 on the Mojave Sub, nearest Sierra Highway and Center Street Rosamond CA

CHMIRS

Control No: 14-6727**Notified Date:****Notified Date Time:****Year:**

2014

County:

Kern County

URL:[https://w3.calema.ca.gov/operational/mal haz.](https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/7eb8bef15365d92788257d9b005fca51?OpenDocument)[nsf/f1841a103c102734882563e200760c4a/7eb8bef15365d92788257d9b005fca51?OpenDocument](https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/7eb8bef15365d92788257d9b005fca51?OpenDocument)**California Hazardous Material Incident Report System (as of 2006 to 2015)****Contained:** Yes**1 Substance:** Fatality**1 Measure:** N/A**1 Other:****1 Quantity:** 1**1 Type:** RAILROAD**1 Pipeline:** No**1 Vessel >= 300 Tons:** No**2 Substance:****2 Quantity:****2 Measure:****2 Type:****2 Other:****2 Pipeline:** No**2 Vessel >= 300 Tons:** No**3 Substance:****3 Quantity:****3 Measure:****3 Type:****3 Other:****3 Pipeline:** No**Admin Agency:****Notification Area:****Location:****Description:**

Kern Co. Environmental Health Services Department

AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,Co/E-Hlth

MP 394.5 on the Mojave Sub, nearest Sierra Highway and Center Street

Caller is reporting that a passing train (ID LOP92 of the 25th) observed a person face down about 5' west of the track. Caller states potential homicide, the deceased had wounds to his lower back per Kern County SO on scene.

3 Ves >= 300 Tons:

No

Incident Date:

11/25/2014

Incident Time:

828

Spill Site:

Rail Road

Injuries?:

No

No of Injuries:**Fatals?:**

Unknown

No of Fatals:**Evacs?:**

No

No of Evacs:**Cleanup:**

N/A

Site:**Cause:**

Unknown

Cause Other:**Dog No:****Water:**

No

Water Way:**City:**

Rosamond

County:

Kern County

Zip:**Spill Report View****Amount 1:****Amount 2:****Amount 3:****Type:**

RAILROAD

Water:**On Scene:****Other on Scene:****Other Notified:****Document Title:**

SPILL Report

Spill Site:

Rail Road

Cause Desc for Other:**Person Notifying Cal OES:****Creation Date:**

11/25/2014 09:26 AM

Received By:**Admin Agency:****Admin Agency 2:****Additional County:****Phone No:****Ext:****Pag Cell:****Hazardous Materials Spill Report****Control Cal OES:** 14-6727**Control NRC:****Date :** 11/25/2014**Incident Date:** 11/25/2014**Time:** 0926**Incident Time:** 0828**Water Involved:** No**Drink Wtr Impact:****Type 3:****Other 3:****Pipeline 3:** No**Ves >= 300 Tons 3:** No**Name:****Phone:****Ext:****Pag Cell:**

Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Uprrr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	Unknown
Incident Location:	MP 394.5 on the Mojave Sub, nearest Sierra Highway and Center Street		
Reported Cause:	Unknown		
Amount 1:	1		
Substance 1:	Fatality		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:			
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:	Sheriff Ofc.		
Other on Scene:			
Other Notified:			
Evacuation:	No		
Cleanup By:	N/A		
Agency:	UPRR		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	Caller is reporting that a passing train (ID LOP92 of the 25th) observed a person face down about 5' west of the track. Caller states potential homicide, the deceased had wounds to his lower back per Kern County SO on scene.		

Spill Report View

Amount 1:		Creation Date:	11/25/2014 09:59 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date:	11/25/2014
Notify Time:	0926
Occurrence Date:	11/25/2014
Occurrence Time:	0828
Upd Known Impact:	
Update Cause:	
Pers Notifying Upd Place:	
Pers Notifying Upd Nme:	
Phone No:	
Ext:	
Pag Cell:	

Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, Co/E-Hlth
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header: KERN COUNTY APCD
Substance 1: Fatality
Qty Amount 1: 1
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/2ddaa357087b67e188257d9b0062dce9?OpenDocument>
NRC: 1101960
Update Description:

11/25/2014 09:59:50 AM - Received NRC Report 1101960 - no new/additional information.

Situation Update:

Received NRC Report 1101960 - no new/additional information.

Original Description:

Caller is reporting that a passing train (ID LOP92 of the 25th) observed a person face down about 5' west of the track. Caller states potential homicide, the deceased had wounds to his lower back per Kern County SO on scene.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Spill Report View

Amount 1:		Creation Date:	11/25/2014 12:14 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	

On Scene:
Other on Scene:
Other Notified:
Document Title: Cal OES-Update
Spill Site:
Cause Desc for Other:
Person Notifying Cal OES:

Phone No:
Ext:
Pag Cell:

OES Hazardous Materials Spill Update

Notify Date: 11/25/2014
Notify Time: 0926
Occurrence Date: 11/25/2014
Occurrence Time: 0828
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, Co/E-Hlth
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header: KERN COUNTY APCD
Substance 1: Fatality
Qty Amount 1: 1
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/4527dd87e84cc40388257d9b006f2a23?OpenDocument>
NRC:
Update Description:

11/25/2014 09:59:50 AM - Received NRC Report 1101960 - no new/additional information.
; 11/25/2014 12:14:12 PM - RP is updating to reflect that the Kern County Coroner has determined the cause of death to be mass trauma and the suspected cause is train related.

Situation Update:

RP is updating to reflect that the Kern County Coroner has determined the cause of death to be mass trauma and the suspected cause is train related.

Original Description:

Caller is reporting that a passing train (ID LOP92 of the 25th) observed a person face down about 5' west of the track. Caller states potential homicide, the deceased had wounds to his lower back per Kern County SO on scene.

OES Hazardous Materials Update Quantities**Amount:****Measure:** N/A**Site:** UPRR

405.5 MPM, Mojave Sub-division Lancaster CA

CHMIRS

Control No:**Notified Date Time:****County:** Los Angeles County**URL:****Notified Date:**

5/3/200303:38:17 PM

Year:

2003

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	N/A	Cups:	0
Incident Date:	5/3/200312:00:00 AM	Cuft:	0
No of Injuries:	1	Gals:	0.000000
No of Fatals:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	Reporting Party	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0
City:	Lancaster	Qts:	0
County:	Los Angeles County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0
Admin Agency:	L. A. County Fire Prevention		
Location:	405.5 MPM, Mojave Sub-division		
Description:	A trespasser was hit by train.		

Site: UPRR

MPM 411 on the Mojave Subdivision, 1 mile south of West Avenue N Lancaster CA 93551

CHMIRS

Control No: 12-2041**Notified Date Time:****Notified Date:****County:** Los Angeles County**Year:**

2012

URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/62ab11a623769e36882579d90034344f?OpenDocument>**California Hazardous Material Incident Report System (as of 2006 to 2015)**

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Train vs. Vehicle	Incident Date:	4/7/2012
1 Measure:	N/A	Incident Time:	205
1 Other:		Spill Site:	Rail Road
1 Quantity:	N/A	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	N/A
2 Type:		Site:	
2 Other:		Cause:	Unknown

2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	93551
3 Pipeline:	No		
Admin Agency:	LACoFD Health Haz-Mat		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC		
Location:	MPM 411 on the Mojave Subdivision, 1 mile south of West Avenue N		
Description:	Caller states a train (Train ID # IDITAX of the 4th, Lead Locomotive UP7877) struck an unoccupied vehicle on the tracks. There was no train derailment and no hazardous material release associated with this incident.		

Spill Report View

Amount 1:		Creation Date:	04/07/2012 02:30 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	12-2041	Type 3:	
Control NRC:		Other 3:	
Date :	04/07/2012	Pipeline 3:	No
Incident Date:	04/07/2012	Ves >= 300 Tons 3:	No
Time:	0230	Name:	
Incident Time:	0205	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	MPM 411 on the Mojave Subdivision, 1 mile south of West Avenue N		
Reported Cause:	Unknown		
Amount 1:	N/A		
Substance 1:	Train vs. Vehicle		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	None		
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:	Police Dept.		
Other on Scene:			
Other Notified:			

Evacuation: No
Cleanup By: N/A
Agency: UPRR
PRS Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:
Additional County:
Admin Agency 2:
Description: Caller states a train (Train ID # IDITAX of the 4th, Lead Locomotive UP7877) struck an unoccupied vehicle on the tracks. There was no train derailment and no hazardous material release associated with this incident.

Site: UPRR
MPM 399 on Mojave Sub division Lancaster CA

CHMIRS

Control No:
Notified Date Time: 5/21/2001 12:14:05 AM
County: Los Angeles County
URL: 2001

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	n/a;;	Cups:	0
Incident Date:	5/20/2001 12:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	0
No of Fatafs:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	n/a	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0
City:	Lancaster	Qts:	0
County:	Los Angeles County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0.000000
Admin Agency:	L. A. County Fire Prevention		
Location:	MPM 399 on Mojave Sub division		
Description:	Train vs. vehicle.		

Site: UPRR
Subdivision Mojave at MM 406.1 Lancaster CA

CHMIRS

Control No: 06-2262
Notified Date Time: 2006
County: Los Angeles County
URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/538939a84d4374fa88257150006451f4?OpenDocument>

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Unknown	3 Ves >= 300 Tons:	
1 Substance:	Train vs Trespasser	Incident Date:	4/14/2006
1 Measure:	N/A	Incident Time:	1055
1 Other:	Train vs Trespasser	Spill Site:	Rail Road
1 Quantity:	N/A	Injuries?:	
1 Type:	RAILROAD	No of Injuries:	0
1 Pipeline:		Fatafs?:	
1 Vessel >= 300 Tons:		No of Fatafs:	0
2 Substance:		Evacs?:	
2 Quantity:		No of Evacs:	0
2 Measure:		Cleanup:	Unknown
2 Type:		Site:	
2 Other:		Cause:	
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:		Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County

3 Other:**Zip:****3 Pipeline:****Admin Agency:**

L. A. County Fire Prevention

Notification Area:

AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS

Location:

Subdivision Mojave at MM 406.1

Description:

A train struck a trespasser on the tracks. Situation is under investigation at this time. It is unknown at this time as to the condition of the trespasser.

Spill Report View**Amount 1:****Amount 2:****Amount 3:****Type:**

RAILROAD

Water:**On Scene:****Other on Scene:****Other Notified:****Document Title:**

SPILL Report

Spill Site:

Rail Road

Cause Desc for Other:**Person Notifying Cal OES:****Creation Date:**

04/14/2006 11:15 AM

Received By:**Admin Agency:****Admin Agency 2:****Additional County:****Phone No:****Ext:****Pag Cell:****Hazardous Materials Spill Report****Control Cal OES:**

06-2262

Control NRC:**Date :**

04/14/2006

Incident Date:

04/14/2006

Time:

1115

Incident Time:

1055

Water Involved:

No

Drink Wtr Impact:

No

Qty 1:

=

Measure 1:

N/A

Type 1:

RAILROAD

Pipeline 1:

No

Ves >= 300 Tons 1:

No

Qty 2:

=

Amount 2:**Measure 2:****Type 2:****Other 2:****Pipeline 2:**

No

Vessel >= 300 Tns 2:

No

Qty 3:

=

Amount 3:**Measure 3:****Incident Location:**

Subdivision Mojave at MM 406.1

Reported Cause:**Amount 1:**

N/A

Substance 1:

Train vs Trespasser

Substance 2:**Substance 3:****Waterway:****Contained:**

Unknown

Known Impact:**Other 1:**

Train vs Trespasser

Detail for Other:**Site:**

Rail Road

On Scene:

Fire Dept., Police Dept., Other

Other on Scene:

UPRR

Other Notified:**Evacuation:**

No

Cleanup By:

Unknown

Agency:

UPRR

PRS Agency:**Admin Agency:**

L. A. County Fire Prevention

Sec Agency:**Type 3:****Other 3:****Pipeline 3:**

No

Ves >= 300 Tons 3:

No

Name:**Phone:****Ext:****Pag Cell:****PRS Name:****PRS Phone:****PRS Ext:****PRS Pag Cell:****Received By:****Header Unknown:**

ANTELOPE VALLEY AQMD

Incident Desc:**R R Crssing < 50 Ft:****Uprrr Rim :****Notification Info:****Notification List:****DOG Unit:****RWQCB Unit:**

6B

Injuries:

No

Fatality:

No

Additional County:**Admin Agency 2:****Description:**

A train struck a trespasser on the tracks. Situation is under investigation at this time. It is unknown at this time as to the condition of the trespasser.

Spill Report View**Amount 1:****Amount 2:****Amount 3:****Type:** RAILROAD**Water:****On Scene:****Other on Scene:****Other Notified:****Document Title:** Cal OES-Update**Spill Site:****Cause Desc for Other:****Person Notifying Cal OES:****Creation Date:**

04/14/2006 11:52 AM

Received By:**Admin Agency:****Admin Agency 2:****Additional County:****Phone No:****Ext:****Pag Cell:****OES Hazardous Materials Spill Update****Notify Date:** 04/14/2006**Notify Time:** 1115**Occurrence Date:** 04/14/2006**Occurrence Time:****Upd Known Impact:****Update Cause:****Pers Notifying Upd Place:****Pers Notifying Upd Nme:****Phone No:****Ext:****Pag Cell:****Fax Notifi List:** AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS**Person Notifying Cal OES** UPRR**Agenc:****Person Reporting Spill Agency:****Op Area:** Los Angeles County**Unknown Header:****Substance 1:** Train vs Trespasser**Qty Amount 1:** N/A**Measure 1:** N/A**Type 1:** RAILROAD**Other 1:** Train vs Trespasser**Pipeline 1:****Vessel >= 300 Tons 1:****Substance 2:****Qty Amount 2:****Measure 2:****Type 2:****Other 2:****Pipeline 2:****Vessel >= 300 Tons 2:****Substance 3:****Qty Amount 3:****Measure 3:****Type 3:****Other 3:****Pipeline 3:****Vessel >= 300 Tons 3:****Administering Agency:** L. A. County Fire Prevention**Secondary Agency:****Additional Counties:****Additional Admin Agency:****Other Notified:****RWQCB Unit:****Confirmation Request:****Fax Notification List 2:****Administering Agency 2:**

Additional Admin Agency 2:**Secondary Agency 2:****Additional Counties 2:****DOG Unit:****RWQCB Unit 2:****Doc URL:**

<https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/ad486ffa91fac18a882571500067a5d6?OpenDocument>

NRC:**Update Description:****Situation Update:**

Per Janet Himes, trespasser sustained fatal injuries.

Original Description:**OES Hazardous Materials Update Quantities****Amount:**

Measure: N/A

Site: **CHP Bishop**
NB 14 just off Rosamond Blvd Rosamond CA

CHMIRS

Control No: 13-7793

Notified Date:

Notified Date Time:

Year:

2013

County: Kern County

URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/1c8f33a927b2d3d388257c470051f27a?OpenDocument>

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained: Yes

3 Ves >= 300 Tons:

No

1 Substance: Fuel - Diesel

Incident Date: 12/20/2013

1 Measure: Gal(s)

Incident Time: 508

1 Other:

Spill Site: Road

1 Quantity: 30

Injuries?: No

1 Type: PETROLEUM

No of Injuries:

1 Pipeline: No

Fatals?: Yes

1 Vessel >= 300 Tons: No

No of Fatals: 1

2 Substance:

Evacs?: No

2 Quantity:

No of Evacs:

2 Measure:

Cleanup: Unknown

2 Type:

Site:

2 Other:

Cause: Collision

2 Pipeline: No

Cause Other:

2 Vessel >= 300 Tons: No

Dog No:

3 Substance:

Water: No

3 Quantity:

Water Way:

3 Measure:

City: Rosamond

3 Type:

County: Kern County

3 Other:

Zip:

3 Pipeline: No

Admin Agency:

Kern Co. Environmental Health Services Department

Notification Area:

AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS

Location:

NB 14 just off Rosamond Blvd

Description:

Collision involving big rig caused the release, material flowed onto soil, FD is handling containment, unknown who is performing clean up.

Spill Report View

Amount 1:

Creation Date:

12/20/2013 07:10 AM

Amount 2:

Received By:

Amount 3:

Admin Agency:

Type:

PETROLEUM

Admin Agency 2:

Water:

Additional County:

On Scene:

Phone No:

Other on Scene:
Other Notified:
Document Title: Cal OES-Update
Spill Site:
Cause Desc for Other:
Person Notifying Cal OES:

Ext:
Pag Cell:

OES Hazardous Materials Spill Update

Notify Date: 12/20/2013
Notify Time: 0655
Occurrence Date: 12/20/2013
Occurrence Time: 0508
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS
Person Notifying Cal OES CHP Bishop
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header: KERN COUNTY APCD
Substance 1: Fuel - Diesel
Qty Amount 1: 30
Measure 1: Gal(s)
Type 1: PETROLEUM
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified: Kern Co Env Health
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/5d161eb108e0b8c588257c47005359ac?OpenDocument>
NRC:
Update Description:

12/20/2013 07:10:24 AM - Caller states: The big rig is overturned in a dry fishing pond. No waterways impacted.

Situation Update:

Caller states: The big rig is overturned in a dry fishing pond. No waterways impacted.

Original Description:

Collision involving big rig caused the release, material flowed onto soil, FD is handling containment, unknown who is performing clean up.

OES Hazardous Materials Update Quantities

Amount:

Measure: Gal(s)

Spill Report View

Amount 1:

Amount 2:

Amount 3:

Type: PETROLEUM

Water:

On Scene:

Other on Scene:

Other Notified:

Document Title: SPILL Report

Spill Site: Road

Cause Desc for Other:

Person Notifying Cal OES:

Creation Date:

12/20/2013 06:55 AM

Received By:

Admin Agency:

Admin Agency 2:

Additional County:

Phone No:

Ext:

Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 13-7793

Control NRC:

Date : 12/20/2013

Incident Date: 12/20/2013

Time: 0655

Incident Time: 0508

Water Involved: No

Drink Wtr Impact:

Qty 1: =

Measure 1: Gal(s)

Type 1: PETROLEUM

Pipeline 1: No

Ves >= 300 Tons 1: No

Qty 2: =

Amount 2:

Measure 2:

Type 2:

Other 2:

Pipeline 2: No

Vessel >= 300 Tns 2: No

Qty 3: =

Amount 3:

Measure 3:

Type 3:

Other 3:

Pipeline 3: No

Ves >= 300 Tons 3: No

Name:

Phone:

Ext:

Pag Cell:

PRS Name:

PRS Phone:

PRS Ext:

PRS Pag Cell:

Received By:

Header Unknown: KERN COUNTY APCD

Incident Desc:

R R Crssing < 50 Ft:

Upr Rim :

Notification Info:

Notification List:

DOG Unit:

RWQCB Unit: 6B

Injuries: No

Fatality: Yes

Fatals #: 1

Incident Location: NB 14 just off Rosamond Blvd

Reported Cause: Collision

Amount 1: 30

Substance 1: Fuel - Diesel

Substance 2:

Substance 3:

Waterway:

Contained: Yes

Known Impact: None

Other 1:

Detail for Other:

Site: Road

On Scene: Cal Trans, CHP, Fire Dept., Other

Other on Scene: EMS

Other Notified: Kern Co Env Health

Evacuation: No

Cleanup By: Unknown
Agency: CHP Bishop
PRS Agency:
Admin Agency: Kern Co. Environmental Health Services Department
Sec Agency:
Additional County:
Admin Agency 2:
Description: Collision involving big rig caused the release, material flowed onto soil, FD is handling containment, unknown who is performing clean up.

Site: **Satthos Environmental Inc**
 Approximately one mile north of Rosamond Blvd and 170 St West Rosamond CA 93560

CHMIRS

Control No: 11-5178
Notified Date Time:
County: Kern County
URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/ed9b1168dc51c591882578fd00839018?OpenDocument>
Notified Date:
Year: 2011

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Diesel	Incident Date:	8/31/2011
1 Measure:	Gal(s)	Incident Time:	1100
1 Other:		Spill Site:	Other
1 Quantity:	2	Injuries?:	No
1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Responsible Party
2 Type:		Site:	
2 Other:		Cause:	Other
2 Pipeline:	No	Cause Other:	Road Metal Mat
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	93560
3 Pipeline:	No		

Admin Agency: Kern Co. Environmental Health Services Department
Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,LANDS,PARKS & REC,Co/Hlth,Co/E-Hlth
Location: Approximately one mile north of Rosamond Blvd and 170 St West
Description: Caller states substance was released due to a metal mat striking the saddle of a dump truck. Caller states substance released to soil. Caller states clean-up has been completed. Caller states substance released to a ephemeral drainage (Dry Ditch).

Spill Report View

Amount 1:		Creation Date:	08/31/2011 04:57 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Other		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES: 11-5178
Control NRC:
Type 3:
Other 3:

Date :	08/31/2011	Pipeline 3:	No
Incident Date:	08/31/2011	Ves >= 300 Tons 3:	No
Time:	1657	Name:	
Incident Time:	1100	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	KERN COUNTY APCD
Qty 2:	=	Header Unknown:	
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	Approximately one mile north of Rosamond Blvd and 170 St West		
Reported Cause:	Other		
	Description for Other : Road Metal Mat		
Amount 1:	2		
Substance 1:	Diesel		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	None		
Other 1:			
Detail for Other:			
Site:	Other		
	Description for Other :		
On Scene:			
Other on Scene:			
Other Notified:	Kern Co Env Health Safety Board		
Evacuation:	No		
Cleanup By:	Responsible Party		
Agency:	Satthos Environmental Inc		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	Caller states substance was released due to a metal mat striking the saddle of a dump truck. Caller states substance released to soil. Caller states clean-up has been completed. Caller states substance released to a ephemeral drainage (Dry Ditch).		

Site: UPRR
405 Mojave Subdivision Lancaster CA

CHMIRS

Control No:		Notified Date:	4/12/200208:03:30 PM
Notified Date Time:		Year:	2002
County:	Los Angeles County		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	n/a	Cups:	0
Incident Date:	4/12/200212:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	0.000000
No of Fatafs:	10	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	n/a	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0

City:	Lancaster	Qts:	0
County:	Los Angeles County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0
Admin Agency:	L. A. County Fire Prevention		
Location:	405 Mojave Subdivision		
Description:	Train vs. trespasser		

Site: Edwards Air Force Base
near Building # 1199, Edwards AFB Unincorporated county area CA

CHMIRS

Control No:	12-2498	Notified Date:	
Notified Date Time:		Year:	2012
County:	Kern County		
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/9853b13c0b8d6a70882579ec007716a0?OpenDocument		

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	JP 8	Incident Date:	4/26/2012
1 Measure:	Gal(s)	Incident Time:	1300
1 Other:		Spill Site:	Military Base
1 Quantity:	20	Injuries?:	No
1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Reporting Party
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS		
Location:	near Building # 1199, Edwards AFB		
Description:	The caller is reporting a fuel leak from a KC 135 aircraft. The spill has been cleaned up and the fuel recovered.		

Spill Report View

Amount 1:		Creation Date:	04/26/2012 02:40 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Military Base		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	12-2498	Type 3:	
Control NRC:		Other 3:	
Date :	04/26/2012	Pipeline 3:	No
Incident Date:	04/26/2012	Ves >= 300 Tons 3:	No
Time:	1440	Name:	
Incident Time:	1300	Phone:	

Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	KERN COUNTY APCD
Qty 2:	=	Header Unknown:	
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Uprrr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	near Building # 1199, Edwards AFB		
Reported Cause:	Unknown		
Amount 1:	20		
Substance 1:	JP 8		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	None		
Other 1:			
Detail for Other:			
Site:	Military Base		
On Scene:			
Other on Scene:			
Other Notified:	CUPA		
Evacuation:	No		
Cleanup By:	Reporting Party		
Agency:	Edwards Air Force Base		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	The caller is reporting a fuel leak from a KC 135 aircraft. The spill has been cleaned up and the fuel recovered.		

Site: UPRR
MP 393.1 of the Mojave Sub Division Rosamond CA

CHMIRS

Control No:	14-2012	Notified Date:	
Notified Date Time:		Year:	2014
County:	Kern County		
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/a086626a23190d1988257cb2002b599b?OpenDocument		

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Train Vs Motorcycle, Unoccupied	Incident Date:	4/6/2014
1 Measure:	N/A	Incident Time:	35
1 Other:		Spill Site:	Rail Road
1 Quantity:	N/A	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Unknown
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No

3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC		
Location:	MP 393.1 of the Mojave Sub Division		
Description:	RP states that a motorcycle was abandoned on the tracks and collided with train ID# IDITA of the 3rd. No derailment, no hazmat release and no injuries to crew.		

Spill Report View

Amount 1:		Creation Date:	04/06/2014 12:53 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	14-2012	Type 3:	
Control NRC:		Other 3:	
Date :	04/06/2014	Pipeline 3:	No
Incident Date:	04/06/2014	Ves >= 300 Tons 3:	No
Time:	0053	Name:	
Incident Time:	0035	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	MP 393.1 of the Mojave Sub Division		
Reported Cause:	Unknown		
Amount 1:	N/A		
Substance 1:	Train Vs Motorcycle, Unoccupied		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	None		
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:	Police Dept.		
Other on Scene:			
Other Notified:			
Evacuation:	No		
Cleanup By:	Unknown		
Agency:	UPRR		

PRS Agency:
Admin Agency: Kern Co. Environmental Health Services Department
Sec Agency:
Additional County:
Admin Agency 2:
Description: RP states that a motorcycle was abandoned on the tracks and collided with train ID# IDITA of the 3rd. No derailment, no hazmat release and no injuries to crew.

Site: UPRR
community of Edison, MPM 319.5, Subdivision, Mojave Unincorporated county area CA

CHMIRS

Control No: 06-3190
Notified Date Time:
County: Kern County
URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/6190144a827159c28825717b002c790a?OpenDocument>
Notified Date:
Year: 2006

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	
1 Substance:	Train Derailment	Incident Date:	5/27/2006
1 Measure:	N/A	Incident Time:	50
1 Other:	Railcar	Spill Site:	Rail Road
1 Quantity:	1	Injuries?:	
1 Type:	RAILROAD	No of Injuries:	0
1 Pipeline:		Fatals?:	
1 Vessel >= 300 Tons:		No of Fatals:	0
2 Substance:		Evacs?:	
2 Quantity:		No of Evacs:	0
2 Measure:		Cleanup:	Reporting Party
2 Type:		Site:	
2 Other:		Cause:	
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:		Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:			
Admin Agency:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,SFM		
Notification Area:	community of Edison, MPM 319.5, Subdivision, Mojave		
Location:	One wheel of a railcar derailed. The railcar is upright and not leaking any material. The incident is under investigation by UPRR.		
Description:			

Spill Report View

Amount 1:		Creation Date:	05/27/2006 01:05 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	06-3190	Type 3:	
Control NRC:		Other 3:	
Date :	05/27/2006	Pipeline 3:	No
Incident Date:	05/27/2006	Ves >= 300 Tons 3:	No
Time:	0105	Name:	

Incident Time:	0050	Phone:			
Water Involved:	No	Ext:			
Drink Wtr Impact:		Pag Cell:			
Qty 1:	=	PRS Name:			
Measure 1:	N/A	PRS Phone:			
Type 1:	RAILROAD	PRS Ext:			
Pipeline 1:	No	PRS Pag Cell:			
Ves >= 300 Tons 1:	No	Received By:			
Qty 2:	=	Header Unknown:	KERN COUNTY APCD		
Amount 2:		Incident Desc:			
Measure 2:		R R Crssing < 50 Ft:			
Type 2:		Uprrr Rim :			
Other 2:		Notification Info:			
Pipeline 2:	No	Notification List:			
Vessel >= 300 Tns 2:	No	DOG Unit:			
Qty 3:	=	RWQCB Unit:	6B		
Amount 3:		Injuries:	No		
Measure 3:		Fatality:	No		
Incident Location:	community of Edison, MPM 319.5, Subdivision, Mojave				
Reported Cause:					
Amount 1:	1				
Substance 1:	Train Derailment				
Substance 2:					
Substance 3:					
Waterway:					
Contained:	Yes				
Known Impact:					
Other 1:	Railcar				
Detail for Other:					
Site:	Rail Road				
On Scene:					
Other on Scene:	UPRR employees				
Other Notified:					
Evacuation:	No				
Cleanup By:	Reporting Party				
Agency:	UPRR				
PRS Agency:					
Admin Agency:					
Sec Agency:					
Additional County:					
Admin Agency 2:					
Description:	One wheel of a railcar derailed. The railcar is upright and not leaking any material. The incident is under investigation by UPRR.				

Site: UPRR
mile marker 344.5 of the Mojave subdivision. Unincorporated county area CA

CHMIRS

Control No:	12-0277	Notified Date:	
Notified Date Time:		Year:	2012
County:	Kern County		
URL:	https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/66a983c813a181c888257987001993d1?OpenDocument		

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Train Derailment	Incident Date:	1/15/2012
1 Measure:	N/A	Incident Time:	2017
1 Other:		Spill Site:	Rail Road
1 Quantity:	1	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Unknown
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	

2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,SFM		
Location:	mile marker 344.5 of the Mojave subdivision.		
Description:	RP states that train QRVWC of the 14th had one flat car derailed upright at mile marker 344.5 of the Mojave subdivision. No HAZMAT release. Main line is currently delayed.		

Spill Report View

Amount 1:		Creation Date:	01/15/2012 08:39 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	12-0277	Type 3:	
Control NRC:		Other 3:	
Date :	01/15/2012	Pipeline 3:	No
Incident Date:	01/15/2012	Ves >= 300 Tons 3:	No
Time:	2039	Name:	
Incident Time:	2017	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Uprrr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	5C
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	mile marker 344.5 of the Mojave subdivision.		
Reported Cause:	Unknown		
Amount 1:	1		
Substance 1:	Train Derailment		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	Other		
	Reason for Other : Line delayed		
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:			
Other on Scene:			
Other Notified:	Kern County SO		

Evacuation: No
Cleanup By: Unknown
Agency: UPRR
PRS Agency:
Admin Agency: Kern Co. Environmental Health Department
Sec Agency:
Additional County:
Admin Agency 2:
Description: RP states that train QRVWC of the 14th had one flat car derailed upright at mile marker 344.5 of the Mojave subdivision. No HAZMAT release. Main line is currently delayed.

Site: UPRR
 MP 356 to MP 358 on the Mojave Sub, nearest town Tehachapi Unincorporated county area Kern
 Eastern Portion CA

CHMIRS

Control No: 13-5941
Notified Date Time:
County: Kern County
URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/7804b30be7e1d1c488257bed005eb85b?OpenDocument>
Notified Date:
Year: 2013

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Lime	Incident Date:	9/21/2013
1 Measure:	Unknown	Incident Time:	1005
1 Other:	Lime NON-Hazardous	Spill Site:	Rail Road
1 Quantity:	3' pile	Injuries?:	No
1 Type:	OTHER	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Contractor
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area Kern Eastern Portion
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,Co/E-Hlth		
Location:	MP 356 to MP 358 on the Mojave Sub, nearest town Tehachapi		
Description:	The pile of lime was discovered on railroad property, origin unknown.		

Spill Report View

Amount 1:		Creation Date:	09/21/2013 10:14 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	OTHER	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES: 13-5941
Type 3:

Control NRC:		Other 3:	
Date :	09/21/2013	Pipeline 3:	No
Incident Date:	09/21/2013	Ves >= 300 Tons 3:	No
Time:	1014	Name:	
Incident Time:	1005	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Unknown	PRS Phone:	
Type 1:	OTHER	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	MP 356 to MP 358 on the Mojave Sub, nearest town Tehachapi		
Reported Cause:	Unknown		
Amount 1:	3' pile		
Substance 1:	Lime		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:			
Other 1:	Lime NON-Hazardous		
Detail for Other:			
Site:	Rail Road		
On Scene:			
Other on Scene:			
Other Notified:			
Evacuation:	No		
Cleanup By:	Contractor		
Agency:	UPRR		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	The pile of lime was discovered on railroad property, origin unknown.		

Site: UPRR
NB Mojave sub division from MPM 365 to 401 Lancaster CA

CHMIRS

Control No:	08-5306	Notified Date:	
Notified Date Time:		Year:	2008
County:	Los Angeles County		
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/919bbfc36bd1ffca8825748c007dd689?OpenDocument		

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	
1 Substance:	Cement powder	Incident Date:	7/20/2008
1 Measure:	Cu.Ft.	Incident Time:	1430
1 Other:	Cement powder	Spill Site:	Rail Road
1 Quantity:	UNK	Injuries?:	
1 Type:	OTHER	No of Injuries:	0
1 Pipeline:		Fatals?:	
1 Vessel >= 300 Tons:		No of Fatals:	0
2 Substance:		Evacs?:	
2 Quantity:		No of Evacs:	0
2 Measure:		Cleanup:	Unknown

2 Type:		Site:	
2 Other:		Cause:	
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:		Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	
3 Pipeline:			
Admin Agency:	L. A. County Fire Prevention		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS		
Location:	NB Mojave sub division from MPM 365 to 401		
Description:	A NB railcar # SVWX10115 being pulled by locomotive #UP5368 released a white powder later to be identified as cement powder dust over a 35 mile distance in the Mojave,sub-divison from MPM 365 to 401. This occurred on the main line but had no effect on other trains or the line.		

Spill Report View

Amount 1:		Creation Date:	07/20/2008 03:54 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	OTHER	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	08-5306	Type 3:	
Control NRC:		Other 3:	
Date :	07/20/2008	Pipeline 3:	No
Incident Date:	07/20/2008	Ves >= 300 Tons 3:	No
Time:	1554	Name:	
Incident Time:	1430	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Cu.Ft.	PRS Phone:	
Type 1:	OTHER	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Uprrr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	4
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	NB Mojave sub division from MPM 365 to 401		
Reported Cause:			
Amount 1:	UNK		
Substance 1:	Cement powder		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:			
Other 1:	Cement powder		
Detail for Other:			
Site:	Rail Road		

On Scene:
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: Unknown
Agency: UPRR
PRS Agency:
Admin Agency: L. A. County Fire Prevention
Sec Agency:
Additional County:
Admin Agency 2:
Description: A NB railcar # SVWX10115 being pulled by locomotive #UP5368 released a white powder later to be identified as cement powder dust over a 35 mile distance in the Mojave, sub-division from MPM 365 to 401. This occurred on the main line but had no effect on other trains or the line.

Site: UPRR
 MPM 404.4 of the Mojave Subdivision Lancaster CA

CHMIRS

Control No: 14-4402
Notified Date Time: Los Angeles County
County: Los Angeles County
URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/d2910925fe35f4cb88257d2c0052200f?OpenDocument>

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Trespasser	Incident Date:	8/6/2014
1 Measure:	N/A	Incident Time:	705
1 Other:		Spill Site:	Rail Road
1 Quantity:	1	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	Yes
1 Vessel >= 300 Tons:	No	No of Fatals:	1
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	N/A
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	LACoFD Health Haz-Mat		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS		
Location:	MPM 404.4 of the Mojave Subdivision		
Description:	Subject observed face down on UPRR property, confirmed deceased. Unknown cause of death.		

Spill Report View

Amount 1:		Creation Date:	08/06/2014 08:27 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date: 08/06/2014
Notify Time: 0757
Occurrence Date: 08/06/2014
Occurrence Time: 0705
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Los Angeles County
Unknown Header: ANTELOPE VALLEY AQMD
Substance 1: Trespasser
Qty Amount 1: 1
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: LACoFD Health Haz-Mat
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/6bc70051c039d08188257d2c0054f069?OpenDocument>
NRC: 1091457
Update Description:

08/06/2014 08:27:45 AM - NRC report #1091457 received with no new information.

Situation Update:

NRC report #1091457 received with no new information.

Original Description:

Subject observed face down on UPRR property, confirmed deceased. Unknown cause of death.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 08/06/2014 07:57 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 14-4402
Control NRC:
Date : 08/06/2014
Incident Date: 08/06/2014
Time: 0757
Incident Time: 0705
Water Involved: No
Drink Wtr Impact:
Qty 1: =
Measure 1: N/A
Type 1: RAILROAD
Pipeline 1: No
Ves >= 300 Tons 1: No
Qty 2: =
Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tns 2: No
Qty 3: =
Amount 3:
Measure 3:

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:
PRS Ext:
PRS Pag Cell:
Received By:
Header Unknown: ANTELOPE VALLEY AQMD
Incident Desc:
R R Crssing < 50 Ft:
Upr Rim :
Notification Info:
Notification List:
DOG Unit:
RWQCB Unit: 6B
Injuries: No
Fatality: Yes
FataIs #: 1

Incident Location: MPM 404.4 of the Mojave Subdivision
Reported Cause: Unknown
Amount 1: 1
Substance 1: Trespasser
Substance 2:
Substance 3:
Waterway:
Contained: Yes
Known Impact:
Other 1:
Detail for Other:
Site: Rail Road
On Scene: Sheriff Ofc.
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: N/A
Agency: UPRR
PRS Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:
Additional County:
Admin Agency 2:
Description: Subject observed face down on UPRR property, confirmed deceased. Unknown cause of death.

Site: UPRR
MPM 406.1 Mojave Subdivision Lancaster CA

CHMIRS

Control No:
Notified Date Time:
County: Los Angeles County
URL:

Notified Date: 8/17/2001 10:43:37 PM
Year: 2001

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	n/a;;;	Cups:	0
Incident Date:	8/17/2001 12:00:00 AM	Cuft:	0
No of Injuries:	1	Gals:	0
No of FataIs:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	n/a	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0
City:	Lancaster	Qts:	0
County:	Los Angeles County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0.000000
Admin Agency:	L. A. County Fire Prevention		
Location:	MPM 406.1 Mojave Subdivision		
Description:	Trespasser was struck by train.		

Site: UPRR
MPM 409.06 on the Mojave Subdivision, Avenue M Crossing, closest cross street is Sierra Highway
Lancaster CA 93550

CHMIRS

Control No: 09-2150
Notified Date Time:
County: Los Angeles County
URL: <https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/187901787b4d01b988257575005ee2fa?OpenDocument>

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	
1 Substance:	Train vs. Trespasser	Incident Date:	3/10/2009
1 Measure:	N/A	Incident Time:	925
1 Other:		Spill Site:	Rail Road
1 Quantity:	N/A	Injuries?:	
1 Type:	RAILROAD	No of Injuries:	1
1 Pipeline:		FataIs?:	
1 Vessel >= 300 Tons:		No of FataIs:	0
2 Substance:		Evacs?:	
2 Quantity:		No of Evacs:	0
2 Measure:		Cleanup:	N/A
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:		Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	93550
3 Pipeline:			
Admin Agency:	LACoFD Health Haz-Mat		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC		
Location:	MPM 409.06 on the Mojave Subdivision, Avenue M Crossing, closest cross street is Sierra Highway		
Description:	Caller states a Metrolink train (Unknown Train and Locomotive ID #s) struck a trespasser on a UPRR track which resulted in the trespasser being flown out with moderate injuries.		

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 03/10/2009 10:16 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 09-2150
Control NRC:
Date : 03/10/2009
Incident Date: 03/10/2009
Time: 1016
Incident Time: 0925
Water Involved: No
Drink Wtr Impact:
Qty 1: =
Measure 1: N/A
Type 1: RAILROAD
Pipeline 1: No
Ves >= 300 Tons 1: No
Qty 2: =
Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tns 2: No
Qty 3: =
Amount 3:
Measure 3:
Incident Location: MPM 409.06 on the Mojave Subdivision, Avenue M Crossing, closest cross street is Sierra Highway
Reported Cause: Unknown
Amount 1: N/A
Substance 1: Train vs. Trespasser
Substance 2:
Substance 3:
Waterway:
Contained: Yes
Known Impact: None
Other 1:
Detail for Other:
Site: Rail Road
On Scene: Sheriff Ofc.
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: N/A
Agency: UPRR
PRS Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:
Additional County:
Admin Agency 2:
Description: Caller states a Metrolink train (Unknown Train and Locomotive ID #s) struck a trespasser on a UPRR track which resulted in the trespasser being flown out with moderate injuries.

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:
PRS Ext:
PRS Pag Cell:
Received By:
Header Unknown: ANTELOPE VALLEY AQMD
Incident Desc:
R R Crssing < 50 Ft:
UprR Rim :
Notification Info:
Notification List:
DOG Unit:
RWQCB Unit: 6B
Injuries: No
Fatality: No

Site: UPRR
MP 342.25 on the Mojave Sub. Unincorporated county area Kern Basin Area CA

CHMIRS

Control No: 13-2685

Notified Date:

Notified Date Time:
County: Kern County
URL: https://w3.calema.ca.gov/operational/mal haz.
nsf/f1841a103c102734882563e200760c4a/7f9884f3c84a797c88257b62005a5d7d?OpenDocument

Year: 2013

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Rail Car Derailment (Upright)	Incident Date:	5/5/2013
1 Measure:	N/A	Incident Time:	913
1 Other:		Spill Site:	Rail Road
1 Quantity:	1 Rail Car	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Unknown
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area Kern Basin Area
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,SFM,Co/WP		
Location:	MP 342.25 on the Mojave Sub.		
Description:	Caller states: One rail car derailed upright; unknown circumstances. Car was empty; it is unknown what the car contained before. No release. Car ID: ATSF625398. Mainline is closed at this time.		

Spill Report View

Amount 1:		Creation Date:	05/05/2013 11:40 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date: 05/05/2013
Notify Time: 0927
Occurrence Date: 05/05/2013
Occurrence Time: 0913
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, SFM, Co/WP
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header: SAN JOAQUIN VALLEY UNIFIED APCD
Substance 1: Rail Car Derailment (Upright)

Qty Amount 1: 1 Rail Car
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 5C
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/c7767f06bb31031188257b6200669e99?OpenDocument>
NRC: 1046096
Update Description:

05/05/2013 11:40:52 AM - Per the NRC Report: The location is in the city of Caliente. NRC # 1046096 received.

Situation Update:

Per the NRC Report: The location is in the city of Caliente. NRC # 1046096 received.

Original Description:

Caller states: One rail car derailed upright; unknown circumstances. Car was empty; it is unknown what the car contained before. No release. Car ID: ATSF625398. Mainline is closed at this time.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Spill Report View

Amount 1:		Creation Date:	05/05/2013 07:19 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date: 05/05/2013
Notify Time: 0927
Occurrence Date: 05/05/2013
Occurrence Time: 0913
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, SFM, Co/WP
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header: SAN JOAQUIN VALLEY UNIFIED APCD
Substance 1: Rail Car Derailment (Upright)
Qty Amount 1: 1 Rail Car
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 5C
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/adc6a00ce0a8a42188257b63000cbc90?OpenDocument>
NRC:
Update Description:

05/05/2013 11:40:52 AM - Per the NRC Report: The location is in the city of Caliente. NRC # 1046096 received.
; 05/05/2013 07:19:07 PM - Incident location is 8 miles south of Caliente. Incident start time is 0607 hours on 05/05/13. Main line is expected to reopen at 0600 hours on 05/06/13.

Situation Update:

Incident location is 8 miles south of Caliente. Incident start time is 0607 hours on 05/05/13. Main line is expected to reopen at 0600 hours on 05/06/13.

Original Description:

Caller states: One rail car derailed upright; unknown circumstances. Car was empty; it is unknown what the car contained before. No release. Car ID:

ATSF625398. Mainline is closed at this time.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Spill Report View

Amount 1:		Creation Date:	05/05/2013 07:40 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date:	05/05/2013
Notify Time:	0927
Occurrence Date:	05/05/2013
Occurrence Time:	0913
Upd Known Impact:	
Update Cause:	
Pers Notifying Upd Place:	
Pers Notifying Upd Nme:	
Phone No:	
Ext:	
Pag Cell:	
Fax Notifi List:	AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, SFM, Co/WP
Person Notifying Cal OES	UPRR
Agenc:	
Person Reporting Spill Agency:	
Op Area:	Kern County
Unknown Header:	SAN JOAQUIN VALLEY UNIFIED APCD
Substance 1:	Rail Car Derailment (Upright)
Qty Amount 1:	1 Rail Car
Measure 1:	N/A
Type 1:	RAILROAD
Other 1:	
Pipeline 1:	No
Vessel >= 300 Tons 1:	No
Substance 2:	
Qty Amount 2:	
Measure 2:	
Type 2:	
Other 2:	
Pipeline 2:	No
Vessel >= 300 Tons 2:	No
Substance 3:	
Qty Amount 3:	
Measure 3:	
Type 3:	
Other 3:	
Pipeline 3:	No
Vessel >= 300 Tons 3:	No
Administering Agency:	Kern Co. Environmental Health Services Department
Secondary Agency:	
Additional Counties:	
Additional Admin Agency:	
Other Notified:	
RWQCB Unit:	5C

Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL:

<https://w3.calema.ca.gov/operational/mal haz.nsf/f1841a103c102734882563e200760c4a/da5c2191a53f560388257b63000ebc48?OpenDocument>

NRC:
Update Description:

05/05/2013 11:40:52 AM - Per the NRC Report: The location is in the city of Caliente. NRC # 1046096 received.
; 05/05/2013 07:19:07 PM - Incident location is 8 miles south of Caliente. Incident start time is 0607 hours on 05/05/13. Main line is expected to reopen at 0600 hours on 05/06/13.
; 05/05/2013 07:40:57 PM - Received NRC Report# 1046118, New Information: EQUIPMENT WAS BROUGHT IN FOR THE RERAIL AND TRACK DAMAGES.

Situation Update:

Received NRC Report# 1046118, New Information: EQUIPMENT WAS BROUGHT IN FOR THE RERAIL AND TRACK DAMAGES.

Original Description:

Caller states: One rail car derailed upright; unknown circumstances. Car was empty; it is unknown what the car contained before. No release. Car ID: ATSF625398. Mainline is closed at this time.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: RAILROAD
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: SPILL Report
Spill Site: Rail Road
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 05/05/2013 09:27 AM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

Hazardous Materials Spill Report

Control Cal OES: 13-2685
Control NRC:
Date : 05/05/2013
Incident Date: 05/05/2013
Time: 0927
Incident Time: 0913
Water Involved: No
Drink Wtr Impact: No
Qty 1: =
Measure 1: N/A
Type 1: RAILROAD
Pipeline 1: No
Ves >= 300 Tons 1: No
Qty 2: =
Amount 2:
Measure 2:
Type 2:
Other 2:

Type 3:
Other 3:
Pipeline 3: No
Ves >= 300 Tons 3: No
Name:
Phone:
Ext:
Pag Cell:
PRS Name:
PRS Phone:
PRS Ext:
PRS Pag Cell:
Received By:
Header Unknown: SAN JOAQUIN VALLEY UNIFIED APCD
Incident Desc:
R R Crssing < 50 Ft:
Uprrr Rim :
Notification Info:

Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	5C
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	MP 342.25 on the Mojave Sub.		
Reported Cause:	Unknown		
Amount 1:	1 Rail Car		
Substance 1:	Rail Car Derailment (Upright)		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	Other		
	Reason for Other : Mainline Closure		
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:			
Other on Scene:			
Other Notified:			
Evacuation:	No		
Cleanup By:	Unknown		
Agency:	UPRR		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	Caller states: One rail car derailed upright; unknown circumstances. Car was empty; it is unknown what the car contained before. No release. Car ID: ATSF625398. Mainline is closed at this time.		

Site: UPRR
MPM 407.0 Mojave Subdivision Lancaster CA

CHMIRS

Control No:		Notified Date:	6/20/200101:48:19 AM
Notified Date Time:		Year:	2001
County:	Los Angeles County		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	n/a;;	Cups:	0
Incident Date:	6/20/200112:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	0
No of FataIs:	1	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	n/a	Liters:	0
Water:		Oz:	0
Water Way:		Pts:	0
City:	Lancaster	Qts:	0
County:	Los Angeles County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0.000000
Admin Agency:	L. A. County Fire Prevention		
Location:	MPM 407.0 Mojave Subdivision		
Description:	Train vs. occupied vehicle		

Site: Edison
155th St West S/O Gaskell Rd Rosamond CA

CHMIRS

Control No:		Notified Date:	3/16/200112:39:23 PM
Notified Date Time:		Year:	2001
County:	Kern County		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	Mineral Oil;;;	Cups:	0
Incident Date:	3/1/2001 12:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	75
No of Fatafs:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	Reporting Party	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0
City:	Rosamond	Qts:	0
County:	Kern County	Sheen:	0
Zip:		Tons:	0
Site:	Road	Unknown:	0.000000
Admin Agency:	Kern Co. Environmental Health Services Dept		
Location:	155th St West S/O Gaskell Rd		
Description:	A vehicle hit a pole and caused transformer to release mineral oil. Clean up in progress		

Site: UPRR
At Rosamond Blvd at Mojave subdivision MP 393.9 Rosamond CA

CHMIRS

Control No:		Notified Date:	5/20/1999 02:19:46 AM
Notified Date Time:		Year:	1999
County:	Kern County		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	N/A	Cups:	0
Incident Date:	5/20/1999 12:00:00 AM	Cuft:	0
No of Injuries:	1	Gals:	0
No of Fatafs:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	N/A	Liters:	0
Water:	No	Oz:	0
Water Way:		Pts:	0
City:	Rosamond	Qts:	0
County:	Kern County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0
Admin Agency:	Kern Co. Environmental Health Services Dept		
Location:	At Rosamond Blvd at Mojave subdivision MP 393.9		
Description:	Train vs trespasser. No hazmat.		

Site: So. Cal. Edison
110th Street West north of Ave A Rosamond CA

CHMIRS

Control No:	11-1386	Notified Date:	
Notified Date Time:		Year:	2011
County:	Kern County		
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/8706ad02c51fcd98825784d001ca9c7?OpenDocument		

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Mineral Oil	Incident Date:	3/7/2011
1 Measure:	Gal(s)	Incident Time:	1230
1 Other:	Non PCB's	Spill Site:	Other
1 Quantity:	25	Injuries?:	No
1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:		Fatafs?:	No
1 Vessel >= 300 Tons:	No	No of Fatafs:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Contractor
2 Type:		Site:	

2 Other:		Cause:	Unknown
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County
3 Other:		Zip:	
3 Pipeline:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS		
Location:	110th Street West north of Ave A		
Description:	A wind storm caused damage to a pole top transformer. Oil spilled on soil.		

Spill Report View

Amount 1:		Creation Date:	03/07/2011 09:13 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Other		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	11-1386	Type 3:	
Control NRC:		Other 3:	
Date :	03/07/2011	Pipeline 3:	No
Incident Date:	03/07/2011	Ves >= 300 Tons 3:	No
Time:	2113	Name:	
Incident Time:	1230	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	110th Street West north of Ave A		
Reported Cause:	Unknown		
Amount 1:	25		
Substance 1:	Mineral Oil		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	None		
Other 1:	Non PCB's		
Detail for Other:			
Site:	Other		
	Description for Other :		
On Scene:			
Other on Scene:			

Other Notified: Co. Env. Health
Evacuation: No
Cleanup By: Contractor
Agency: So. Cal. Edison
PRS Agency:
Admin Agency: Kern Co. Environmental Health Services Department
Sec Agency:
Additional County:
Admin Agency 2:
Description: A wind storm caused damage to a pole top transformer. Oil spilled on soil.

Site: UPRR
On the Mojave Subdivision at MP 410.1 Lancaster CA 68179

CHMIRS

Control No:
Notified Date Time: 2/11/200512:00:00 AM
County: Los Angeles County
URL:
Notified Date: 2/11/200502:12:32 PM
Year: 2005

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	Derailment	Cups:	0
Incident Date:	2/11/200512:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	0.000000
No of Fataals:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	Responsible Party	Liters:	0
Water:		Oz:	0
Water Way:		Pts:	0
City:	Lancaster	Qts:	0
County:	Los Angeles County	Sheen:	0
Zip:	68179	Tons:	0
Site:	Rail Road	Unknown:	0
Admin Agency:	L. A. County Fire Prevention		
Location:	On the Mojave Subdivision at MP 410.1		
Description:	1 rail card derailed, it contains container board. There is no hazardous material release and the rail car is upright.		

Site: SoCal Edison
Rosamond Blvd west of 150th Street Rosamond CA

CHMIRS

Control No: 12-0837
Notified Date Time:
County: Kern County
URL: https://w3.calema.ca.gov/operational/mal haz.
nsf/f1841a103c102734882563e200760c4a/185f996aafd37675882579a3006395e6?OpenDocument
Notified Date: 2012
Year:

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Mineral Oil with PCB content	Incident Date:	2/13/2012
1 Measure:	Gal(s)	Incident Time:	800
1 Other:	> 50 PPM	Spill Site:	Residence
1 Quantity:	30-40	Injuries?:	No
1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:	No	Fataals?:	No
1 Vessel >= 300 Tons:	No	No of Fataals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Contractor
2 Type:		Site:	
2 Other:		Cause:	Other
2 Pipeline:	No	Cause Other:	Vandalism
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Rosamond
3 Type:		County:	Kern County

3 Other: **Zip:**
3 Pipeline: No
Admin Agency: Kern Co. Environmental Health Services Department
Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS
Location: Rosamond Blvd west of 150th Street
Description: Vandalism was the cause of this release, three transformers were toppled over.

Spill Report View

Amount 1:		Creation Date:	02/13/2012 12:52 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date: 02/13/2012
Notify Time: 1007
Occurrence Date: 02/13/2012
Occurrence Time: 0800
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS
Person Notifying Cal OES: SoCal Edison
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header:
Substance 1: Mineral Oil with PCB content
Qty Amount 1: 30-40
Measure 1: Gal(s)
Type 1: PETROLEUM
Other 1: > 50 PPM
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified: CUPA
RWQCB Unit: 6B
Confirmation Request:

Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL:

<https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/1b89e0d44be4541d882579a30072acd2?OpenDocument>

NRC:
Update Description:

02/13/2012 12:52:33 PM - Caller updates that the mineral oil PCB content is unconfirmed. The mineral oil released from three pole top transformers (1968) due to vandalism. Media effected is soil. Patriot Environmental Services contractor will do the clean up. An unknown third party is the responsible party. The amount released is updated at between 40-50 gallons. Clor-N-Oil PCB Field Screening Test indicates > 50 PPP, will be updated with PCB laboratory results. Caller confirms notification to the Lohanton RWQCB.

Situation Update:

Caller updates that the mineral oil PCB content is unconfirmed. The mineral oil released from three pole top transformers (1968) due to vandalism. Media effected is soil. Patriot Environmental Services contractor will do the clean up. An unknown third party is the responsible party. The amount released is updated at between 40-50 gallons. Clor-N-Oil PCB Field Screening Test indicates > 50 PPP, will be updated with PCB laboratory results. Caller confirms notification to the Lohanton RWQCB.

Original Description:

Vandalism was the cause of this release, three transformers were toppled over.

OES Hazardous Materials Update Quantities

Amount: 40-50
Measure: Gal(s)

Spill Report View

Amount 1:
Amount 2:
Amount 3:
Type: PETROLEUM
Water:
On Scene:
Other on Scene:
Other Notified:
Document Title: Cal OES-Update
Spill Site:
Cause Desc for Other:
Person Notifying Cal OES:

Creation Date: 03/08/2012 03:36 PM
Received By:
Admin Agency:
Admin Agency 2:
Additional County:
Phone No:
Ext:
Pag Cell:

OES Hazardous Materials Spill Update

Notify Date: 02/13/2012
Notify Time: 1007
Occurrence Date: 02/13/2012
Occurrence Time: 0800
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS
Person Notifying Cal OES: SoCal Edison
Agenc:
Person Reporting Spill Agency:
Op Area: Kern County
Unknown Header:
Substance 1: Mineral Oil with PCB content

Qty Amount 1: 30-40
Measure 1: Gal(s)
Type 1: PETROLEUM
Other 1: > 50 PPM
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: Kern Co. Environmental Health Services Department
Secondary Agency:
Additional Counties:
Additional Admin Agency:
Other Notified: CUPA
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/65d47de27ccfaad882579bb0081b243?OpenDocument>

NRC:

Update Description:

02/13/2012 12:52:33 PM - Caller updates that the mineral oil PCB content is unconfirmed. The mineral oil released from three pole top transformers (1968) due to vandalism. Media effected is soil. Patriot Environmental Services contractor will do the clean up. An unknown third party is the responsible party. The amount released is updated at between 40-50 gallons. Clor-N-Oil PCB Field Screening Test indicates > 50 PPP, will be updated with PCB laboratory results. Caller confirms notification to the Lohanton RWQCB.

; 03/08/2012 03:36:37 PM - 03/08/12 1536 Hrs Caller states amount release is 20 gallons. PCB contents are 6.3 PPM, 9.6 PPM and 11 PPM

Situation Update:

03/08/12 1536 Hrs Caller states amount release is 20 gallons. PCB contents are 6.3 PPM, 9.6 PPM and 11 PPM

Original Description:

Vandalism was the cause of this release, three transformers were toppled over.

OES Hazardous Materials Update Quantities

Amount:

Measure: Gal(s)

Spill Report View

Amount 1:

Amount 2:

Amount 3:

Type: PETROLEUM

Water:

On Scene:

Other on Scene:

Other Notified:

Document Title: SPILL Report

Creation Date:

02/13/2012 10:07 AM

Received By:

Admin Agency:

Admin Agency 2:

Additional County:

Phone No:

Ext:

Pag Cell:

Spill Site: Residence
Cause Desc for Other:
Person Notifying Cal OES:

Hazardous Materials Spill Report

Control Cal OES:	12-0837	Type 3:	
Control NRC:		Other 3:	
Date :	02/13/2012	Pipeline 3:	No
Incident Date:	02/13/2012	Ves >= 300 Tons 3:	No
Time:	1007	Name:	
Incident Time:	0800	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	KERN COUNTY APCD
Qty 2:	=	Header Unknown:	
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	Rosamond Blvd west of 150th Street		
Reported Cause:	Other Description for Other : Vandalism		
Amount 1:	30-40		
Substance 1:	Mineral Oil with PCB content		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:			
Other 1:	> 50 PPM		
Detail for Other:			
Site:	Residence		
On Scene:			
Other on Scene:			
Other Notified:	CUPA		
Evacuation:	No		
Cleanup By:	Contractor		
Agency:	SoCal Edison		
PRS Agency:			
Admin Agency:	Kern Co. Environmental Health Services Department		
Sec Agency:			
Additional County:			
Admin Agency 2:			
Description:	Vandalism was the cause of this release, three transformers were toppled over.		

Site: UPRR
MPM 347.8 on the Mojave Subdivision, closest cross streets are Avenue E and Tehachapi Woodford Road, closest city is Keene Unincorporated county area CA 93561

CHMIRS

Control No:	11-2430	Notified Date:	
Notified Date Time:		Year:	2011
County:	Kern County		
URL:	https://w3.calema.ca.gov/operational/mal haz. nsf/f1841a103c102734882563e200760c4a/9c66626879746eb388257876002adae7?OpenDocument		

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
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1 Substance:	Train Derailment	Incident Date:	4/18/2011
1 Measure:	N/A	Incident Time:	31
1 Other:		Spill Site:	Rail Road
1 Quantity:	N/A	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:		Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	N/A
2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:		Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Unincorporated county area
3 Type:		County:	Kern County
3 Other:		Zip:	93561
3 Pipeline:			
Admin Agency:	Kern Co. Environmental Health Department		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,SFM		
Location:	MPM 347.8 on the Mojave Subdivision, closest cross streets are Avenue E and Tehachapi Woodford Road, closest city is Keene		
Description:	Caller states a train (Train ID # MWCRV of the 17th, Lead Locomotive ID # UP5378) derailed four empty rail cars. All rail cars are upright with only the wheels off the track.		

Spill Report View

Amount 1:		Creation Date:	04/18/2011 12:48 AM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	11-2430	Type 3:	
Control NRC:		Other 3:	
Date :	04/18/2011	Pipeline 3:	No
Incident Date:	04/18/2011	Ves >= 300 Tons 3:	No
Time:	0048	Name:	
Incident Time:	0031	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	KERN COUNTY APCD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	5C
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	MPM 347.8 on the Mojave Subdivision, closest cross streets are Avenue E and Tehachapi Woodford Road, closest city is Keene		

Reported Cause: Unknown
Amount 1: N/A
Substance 1: Train Derailment
Substance 2:
Substance 3:
Waterway:
Contained: Yes
Known Impact: None
Other 1:
Detail for Other:
Site: Rail Road
On Scene:
Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: N/A
Agency: UPRR
PRS Agency:
Admin Agency: Kern Co. Environmental Health Department
Sec Agency:
Additional County:
Admin Agency 2:
Description: Caller states a train (Train ID # MWCRV of the 17th, Lead Locomotive ID # UP5378) derailed four empty rail cars. All rail cars are upright with only the wheels off the track.

Site: UPRR
 Mile Post 365 Mojave Sub Div. CA

CHMIRS

Control No:
Notified Date Time: 4/30/200509:24:44 PM
County: Kern County
URL: 2005

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	Bbls:	0
Substance:	Train Vs. Vehicle	Cups:	0
Incident Date:	4/30/200512:00:00 AM	Cuft:	0
No of Injuries:	0	Gals:	0.000000
No of Fatafs:	0	Grams:	0
No of Evacs:	0	Lbs:	0
Cleanup:	n/a	Liters:	0
Water:		Oz:	0
Water Way:		Pts:	0
City:		Qts:	0
County:	Kern County	Sheen:	0
Zip:		Tons:	0
Site:	Rail Road	Unknown:	0
Admin Agency:			
Location:	Mile Post 365 Mojave Sub Div.		
Description:	Unknown circumstances, under investigation.		

Site: UPRR
 Mojave Sub Division MP 410 Lancaster CA 93550

CHMIRS

Control No: 14-2502
Notified Date Time:
County: Los Angeles County
URL: https://w3.calema.ca.gov/operational/mal haz.
 nsf/f1841a103c102734882563e200760c4a/3b19698bb16d6ba588257ccb000dd84f?OpenDocument

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	Diesel	Incident Date:	4/30/2014
1 Measure:	Gal(s)	Incident Time:	1900
1 Other:		Spill Site:	Rail Road
1 Quantity:	100	Injuries?:	No

1 Type:	PETROLEUM	No of Injuries:	
1 Pipeline:	No	Fatals?:	No
1 Vessel >= 300 Tons:	No	No of Fatals:	
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Contractor
2 Type:		Site:	
2 Other:		Cause:	Mechanical
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	93550
3 Pipeline:	No		
Admin Agency:	LACoFD Health Haz-Mat		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC,Co/E-Hlth		
Location:	Mojave Sub Division MP 410		
Description:	RP states that a locomotive ID # UP5446 had a mechanical malfunction and leaked diesel fuel from Rosamond to South of Lancaster. The release has been stopped and train stopped on tracks in the Mojave Sub Division MP 410 for investigation. No derailment, or injuries to crew associated with the release. Clean up is in progress, UPRR HazMat enroute.		

Spill Report View

Amount 1:		Creation Date:	04/30/2014 07:31 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	PETROLEUM	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	14-2502	Type 3:	
Control NRC:		Other 3:	
Date :	04/30/2014	Pipeline 3:	No
Incident Date:	04/30/2014	Ves >= 300 Tons 3:	No
Time:	1931	Name:	
Incident Time:	1900	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:		Pag Cell:	
Qty 1:	<	PRS Name:	
Measure 1:	Gal(s)	PRS Phone:	
Type 1:	PETROLEUM	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		UprR Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	No
Incident Location:	Mojave Sub Division MP 410		
Reported Cause:	Mechanical		
Amount 1:	100		
Substance 1:	Diesel		
Substance 2:			

Substance 3:**Waterway:****Contained:****Known Impact:**

Yes
Other
Reason for Other : Traffic Stopped on Line

Other 1:**Detail for Other:****Site:****On Scene:****Other on Scene:****Other Notified:****Evacuation:****Cleanup By:****Agency:****PRS Agency:****Admin Agency:****Sec Agency:****Additional County:****Admin Agency 2:****Description:**

Rail Road
Police Dept.

No
Contractor
UPRR

LACoFD Health Haz-Mat

Kern County
Kern Co. Environmental Health Department
RP states that a locomotive ID # UP5446 had a mechanical malfunction and leaked diesel fuel from Rosamond to South of Lancaster. The release has been stopped and train stopped on tracks in the Mojave Sub Division MP 410 for investigation. No derailment, or injuries to crew associated with the release. Clean up is in progress, UPRR HazMat enroute.

Spill Report View**Amount 1:****Amount 2:****Amount 3:****Type:****Water:****On Scene:****Other on Scene:****Other Notified:****Document Title:****Spill Site:****Cause Desc for Other:****Person Notifying Cal OES:**

PETROLEUM

Cal OES-Update

Creation Date:

04/30/2014 07:48 PM

Received By:**Admin Agency:****Admin Agency 2:****Additional County:****Phone No:****Ext:****Pag Cell:****OES Hazardous Materials Spill Update****Notify Date:****Notify Time:****Occurrence Date:****Occurrence Time:****Upd Known Impact:****Update Cause:****Pers Notifying Upd Place:****Pers Notifying Upd Nme:****Phone No:****Ext:****Pag Cell:****Fax Notifi List:****Person Notifying Cal OES****Agenc:****Person Reporting Spill Agency:****Op Area:****Unknown Header:****Substance 1:****Qty Amount 1:****Measure 1:****Type 1:****Other 1:****Pipeline 1:****Vessel >= 300 Tons 1:****Substance 2:****Qty Amount 2:****Measure 2:****Type 2:**

04/30/2014
1931
04/30/2014
1900

AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC, Co/E-Hlth
UPRR

Los Angeles County
ANTELOPE VALLEY AQMD
Diesel
100
Gal(s)
PETROLEUM

No
No

Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: LACoFD Health Haz-Mat
Secondary Agency:
Additional Counties: Kern County
Additional Admin Agency: Kern Co. Environmental Health Department
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/c86a1f94e74920cb88257ccb000f6348?OpenDocument>
NRC:
Update Description:

04/30/2014 07:48:04 PM - Correction: Incident location is in Lancaster CA, Los Angeles County.

Situation Update:

Correction: Incident location is in Lancaster CA, Los Angeles County.

Original Description:

RP states that a locomotive ID # UP5446 had a mechanical malfunction and leaked diesel fuel from Rosamond to South of Lancaster. The release has been stopped and train stopped on tracks in the Mojave Sub Division MP 410 for investigation. No derailment, or injuries to crew associated with the release. Clean up is in progress, UPRR HazMat enroute.

OES Hazardous Materials Update Quantities

Amount:
Measure: Gal(s)

Site: UPRR
 MPM 407 on Mojave sub, near Ave K Lancaster CA

CHMIRS

Control No: 11-6147
Notified Date Time:
County: Los Angeles County
URL: <https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/bfc19ec4e56ff72988257929006eaeef1?OpenDocument>
Notified Date:
Year: 2011

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained:	Yes	3 Ves >= 300 Tons:	No
1 Substance:	N/A	Incident Date:	10/14/2011
1 Measure:	N/A	Incident Time:	1239
1 Other:		Spill Site:	Rail Road
1 Quantity:	N/A	Injuries?:	No
1 Type:	RAILROAD	No of Injuries:	
1 Pipeline:	No	Fatals?:	Yes
1 Vessel >= 300 Tons:	No	No of Fatals:	1
2 Substance:		Evacs?:	No
2 Quantity:		No of Evacs:	
2 Measure:		Cleanup:	Unknown

2 Type:		Site:	
2 Other:		Cause:	Unknown
2 Pipeline:	No	Cause Other:	
2 Vessel >= 300 Tons:	No	Dog No:	
3 Substance:		Water:	No
3 Quantity:		Water Way:	
3 Measure:		City:	Lancaster
3 Type:		County:	Los Angeles County
3 Other:		Zip:	
3 Pipeline:	No		
Admin Agency:	LACoFD Health Haz-Mat		
Notification Area:	AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS,PUC		
Location:	MPM 407 on Mojave sub, near Ave K		
Description:	The caller is reporting a trespasser has hit by a southbound train.		

Spill Report View

Amount 1:		Creation Date:	10/14/2011 01:08 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	SPILL Report		
Spill Site:	Rail Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Control Cal OES:	11-6147	Type 3:	
Control NRC:		Other 3:	
Date :	10/14/2011	Pipeline 3:	No
Incident Date:	10/14/2011	Ves >= 300 Tons 3:	No
Time:	1308	Name:	
Incident Time:	1239	Phone:	
Water Involved:	No	Ext:	
Drink Wtr Impact:	No	Pag Cell:	
Qty 1:	=	PRS Name:	
Measure 1:	N/A	PRS Phone:	
Type 1:	RAILROAD	PRS Ext:	
Pipeline 1:	No	PRS Pag Cell:	
Ves >= 300 Tons 1:	No	Received By:	
Qty 2:	=	Header Unknown:	ANTELOPE VALLEY AQMD
Amount 2:		Incident Desc:	
Measure 2:		R R Crssing < 50 Ft:	
Type 2:		Upr Rim :	
Other 2:		Notification Info:	
Pipeline 2:	No	Notification List:	
Vessel >= 300 Tns 2:	No	DOG Unit:	
Qty 3:	=	RWQCB Unit:	6B
Amount 3:		Injuries:	No
Measure 3:		Fatality:	Yes
			Fatals #: 1
Incident Location:	MPM 407 on Mojave sub, near Ave K		
Reported Cause:	Unknown		
Amount 1:	N/A		
Substance 1:	N/A		
Substance 2:			
Substance 3:			
Waterway:			
Contained:	Yes		
Known Impact:	None		
Other 1:			
Detail for Other:			
Site:	Rail Road		
On Scene:			

Other on Scene:
Other Notified:
Evacuation: No
Cleanup By: Unknown
Agency: UPRR
PRS Agency:
Admin Agency: LACoFD Health Haz-Mat
Sec Agency:
Additional County:
Admin Agency 2:
Description: The caller is reporting a trespasser has hit by a southbound train.

Spill Report View

Amount 1:		Creation Date:	10/14/2011 01:30 PM
Amount 2:		Received By:	
Amount 3:		Admin Agency:	
Type:	RAILROAD	Admin Agency 2:	
Water:		Additional County:	
On Scene:		Phone No:	
Other on Scene:		Ext:	
Other Notified:		Pag Cell:	
Document Title:	Cal OES-Update		
Spill Site:			
Cause Desc for Other:			
Person Notifying Cal OES:			

OES Hazardous Materials Spill Update

Notify Date: 10/14/2011
Notify Time: 1308
Occurrence Date: 10/14/2011
Occurrence Time: 1239
Upd Known Impact:
Update Cause:
Pers Notifying Upd Place:
Pers Notifying Upd Nme:
Phone No:
Ext:
Pag Cell:
Fax Notifi List: AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, PUC
Person Notifying Cal OES UPRR
Agenc:
Person Reporting Spill Agency:
Op Area: Los Angeles County
Unknown Header:
Substance 1: N/A
Qty Amount 1: N/A
Measure 1: N/A
Type 1: RAILROAD
Other 1:
Pipeline 1: No
Vessel >= 300 Tons 1: No
Substance 2:
Qty Amount 2:
Measure 2:
Type 2:
Other 2:
Pipeline 2: No
Vessel >= 300 Tons 2: No
Substance 3:
Qty Amount 3:
Measure 3:
Type 3:
Other 3:
Pipeline 3: No
Vessel >= 300 Tons 3: No
Administering Agency: LACoFD Health Haz-Mat
Secondary Agency:

Additional Counties:
Additional Admin Agency:
Other Notified:
RWQCB Unit: 6B
Confirmation Request:
Fax Notification List 2:
Administering Agency 2:
Additional Admin Agency 2:
Secondary Agency 2:
Additional Counties 2:
DOG Unit:
RWQCB Unit 2:
Doc URL: <https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/08819da84c6fee16882579290070b05e?OpenDocument>
NRC: 992566
Update Description:

10/14/2011 01:30:51 PM - 10/14/11 1330 Hrs, Received NRC fax 992566.

Situation Update:

10/14/11 1330 Hrs, Received NRC fax 992566.

Original Description:

The caller is reporting a trespasser has hit by a southbound train.

OES Hazardous Materials Update Quantities

Amount:
Measure: N/A

Site: KINGBIRD SOLAR A, LLC
KINGBIRD AVE AND 180 STREET WEST ROSAMOND CA 93560

EMISSIONS

2017 Criteria Data

Facility ID:	5005	CERR Code:	
Facility SIC Code:	4911	TOGT:	.00375939849624060150375939849624060150376
CO:	15	ROGT:	.00035
Air Basin:	MD	COT:	.0063
District:	KER	NOXT:	.0009
COID:	KER	SOXT:	.00045
DISN:	EASTERN KERN APCD	PMT:	.0699379202041517397065318741718604308779
CHAPIS:		PM10T:	.04025

2017 Toxic Data

Facility ID:	5005	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: SOLAR STAR XX, LLC
AVENUE A AND ROSAMOND BLVD. ROSAMOND CA 93560

EMISSIONS

2017 Criteria Data

Facility ID:	5004	CERR Code:	
Facility SIC Code:	4911	TOGT:	.
			00067653276955602536997885835095137420
			7188
CO:	15	ROGT:	.00064
Air Basin:	MD	COT:	.01183
District:	KER	NOXT:	.00895
COID:	KER	SOXT:	.00001
DISN:	EASTERN KERN APCD	PMT:	5.897692543554006968641114982578397212
			54
CHAPIS:		PM10T:	3.38548

2017 Toxic Data

Facility ID:	5004	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: ROSAMOND SOLAR PROJECT-PHASE 3
38874 HOLIDAY AVENUE ROSAMOND CA 93560

EMISSIONS

2017 Criteria Data

Facility ID:	5033	CERR Code:	
Facility SIC Code:	4911	TOGT:	.
			00073995771670190274841437632135306553
			9112
CO:	15	ROGT:	.0007
Air Basin:	MD	COT:	.01289
District:	KER	NOXT:	.00975
COID:	KER	SOXT:	.00002
DISN:	EASTERN KERN APCD	PMT:	.00052
CHAPIS:		PM10T:	.00052

2017 Toxic Data

Facility ID:	5033	COID:	KER
Facility SIC Code:	4911	DISN:	EASTERN KERN APCD
CO:	15	CHAPIS:	
Air Basin:	MD	CERR Code:	
District:	KER		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Site: SOLAR STAR XIX, LLC
AVENUE A AND PATTERSON ROAD ROSAMOND CA 93560

EMISSIONS

2017 Criteria Data

Facility ID:	5003	CERR Code:	
Facility SIC Code:	4911	TOGT:	.
			00097251585623678646934460887949260042
			2833

CO: 15
Air Basin: MD
District: KER
COID: KER
DISN: EASTERN KERN APCD

CHAPIS:

ROGT: .00092
COT: .01705
NOXT: .01361
SOXT: .00003
PMT: 4.164453066202090592334494773519163763
07
PM10T: 2.39069

2017 Toxic Data

Facility ID: 5003
Facility SIC Code: 4911
CO: 15
Air Basin: MD
District: KER
TS:

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

COID: KER
DISN: EASTERN KERN APCD
CHAPIS:
CERR Code:

Site:

MP 407 MOJAVE SUB LANCASTER CA

ERNS

NRC Report No: 1241170
Type of Incident: RAILROAD NON-RELEASE
Incident Cause: TRESPASSER
Incident Date: 3/27/2019 2:53
Incident Location: SINGLE MAIN LINE
Incident Dtg: DISCOVERED
Distance from City:
Distance Units:
Direction from City:
Location County: LOS ANGELES
Potential Flag: No
Year: Year 2019 Reports

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:

Description of Incident: CALLER STATED THAT A NORTHBOUND FREIGHT TRAIN STRUCK A TRESPASSER RESULTING IN A FATALITY. CALLER ALSO STATED THAT THERE WAS NO RELEASE OR POTENTIAL FOR RELEASE OF ANY HAZARDOUS MATERIALS INVOLVED IN THE INCIDENT.

Calls Information

Date Time Received: 3/27/2019 4:34:00 AM
Date Time Complete: 3/27/2019 4:41:00 AM
Call Type: INC
Resp Company:
Resp Org Type: UNKNOWN

Responsible City:
Responsible State: XX
Responsible Zip:
Source: TELEPHONE

Incident Information

Tank ID:
Tank Regulated: U
Tank Regulated By:
Capacity of Tank:
Capacity Tank Units:
Description of Tank:
Actual Amount:
Actual Amount Units:
Tank Above Ground: ABOVE
NPDES:
NPDES Compliance: U
Init Contin Rel No:
Contin Rel Permit:
Contin Release Type:
Aircraft ID:
Aircraft Runway No:
Aircraft Spot No:
Aircraft Type:
Aircraft Model:

Building ID:
Location Area ID:
Location Block ID:
OCSG No:
OCSF No:
State Lease No:
Pier Dock No:
Berth Slip No:
Brake Failure: N
Airbag Deployed: U
Transport Contain: U
Location Subdiv: MOJAVE
Platform Rig Name:
Platform Letter:
Allision: N
Type of Structure:
Structure Name:
Structure Oper: U
Transit Bus Flag:

Aircraft Fuel Cap:
Aircraft Fuel Cap U:
Aircraft Fuel on Brd:
Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj:
Type of Fuel:
DOT Crossing No:
DOT Regulated: U
Pipeline Type:
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: N
Railroad Hotline:
Railroad Milepost: 407
Grade Crossing: N
Crossing Device Ty:
Ty Vehicle Involved:
Device Operational: Y

Date Time Norm Serv:
Serv Disrupt Time:
Serv Disrupt Units:
CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling:
Passenger Route: NO
Passenger Delay: NO
Sub Part C Test Req: UNK
Conductor Test:
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: U
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: UNDER INVESTIGATION.
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: N
No. Injured:
No. Hospitalized:
No. Fatalities: 1
Any Fatalities: Y
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:
Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: Y
Track Desc: SINGLE MAIN LINE
Track Closure Time:
Track Closure Units:
Track Close Dir: N/S
Media Interest: UNKNOWN
Medium Desc: RAIL REPORT (N/A)
Addl Medium Info: TRESPASSER FATALITY

State Agen Report No: 19-2026
State Agen on Scene:
State Agen Notified: OES, COUNTY
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: N
Weather Conditions: PARTLY CLOUDY
Air Temperature: 51
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact:
Passengers Transfer: NO
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info: UNION PACIFIC 20190327017 KMT

Site:

MP: 394.5 SUB: MOJAVE ROSAMOND CA

ERNS

NRC Report No: 1101960

Latitude Degrees:

Type of Incident:	RAILROAD NON-RELEASE	Latitude Minutes:	
Incident Cause:	TRESPASSER	Latitude Seconds:	
Incident Date:	11/25/2014 10:28:00 AM	Longitude Degrees:	
Incident Location:		Longitude Minutes:	
Incident Dtg:	DISCOVERED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Direction from City:		Location Section:	
Location County:	KERN	Location Township:	
Potential Flag:	No	Location Range:	
Year:	Year 2014 Reports		
Description of Incident:	CALLER IS REPORTING A TRESPASSER FATALITY ON THE TRACKS.		

Calls Information

Date Time Received:	11/25/2014 12:43:49 PM	Responsible City:	
Date Time Complete:	11/25/2014 12:46:49 PM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	N
NPDES:		Airbag Deployed:	U
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	MOJAVE
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	N
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:		Structure Oper:	U
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	
Aircraft Fuel OB U:		CR Begin Date:	
Aircraft Hanger:		CR End Date:	
Road Mile Marker:		CR Change Date:	
Power Gen Facility:	U	FBI Contact:	
Generating Capacity:		FBI Contact Dt Tm:	
Type of Fixed Obj:		Passenger Handling:	
Type of Fuel:		Passenger Route:	NO
DOT Crossing No:		Passenger Delay:	NO
DOT Regulated:	U	Sub Part C Test Req:	NO
Pipeline Type:		Conductor Test:	
Pipeline Abv Ground:	ABOVE	Engineer Test:	
Pipeline Covered:	U	Trainman Test:	
Exposed Underwater:	N	Yard Foreman Test:	
Railroad Hotline:		RCL Operator Test:	
Railroad Milepost:	394.5	Brakeman Test:	
Grade Crossing:	N	Train Dispat Test:	
Crossing Device Ty:		Signalman Test:	
Ty Vehicle Involved:		Oth Employee Test:	
Device Operational:	Y	Unknown Test:	

Incident Details Information

Release Secured:	U	State Agen Report No:	14-6727
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Release Rate:		State Agen on Scene:	
Release Rate Unit:		State Agen Notified:	KERN COUNTY SHERIFFS DEPT, OES, PD
Release Rate Rate:		Fed Agency Notified:	
Est Duration of Rel:		Oth Agency Notified:	
Desc Remedial Act:		Body of Water:	
Fire Involved:	N	Tributary of:	
Fire Extinguished:	U	Near River Mile Make:	
Any Evacuations:	N	Near River Mile Mark:	
No Evacuated:		Offshore:	N
Who Evacuated:		Weather Conditions:	UNKNOWN
Radius of Evacu:		Air Temperature:	
Any Injuries:	N	Wind Direction:	
No. Injured:		Wind Speed:	
No. Hospitalized:		Wind Speed Unit:	
No. Fatalities:	1	Water Supp Contam:	U
Any Fatalities:	Y	Water Temperature:	
Any Damages:	N	Wave Condition:	
Damage Amount:		Current Speed:	
Air Corridor Closed:	N	Current Direction:	
Air Corridor Desc:		Current Speed Unit:	
Air Closure Time:		EMPL Fatality:	
Waterway Closed:	N	Pass Fatality:	
Waterway Desc:		Community Impact:	
Waterway Close Time:		Passengers Transfer:	NO
Road Closed:	N	Passenger Injuries:	
Road Desc:		Employee Injuries:	
Road Closure Time:		Occupant Fatality:	
Road Closure Units:		Sheen Size:	
Closure Direction:		Sheen Size Units:	
Major Artery:	No	Sheen Size Length:	
Track Closed:	N	Sheen Size Length U:	
Track Desc:		Sheen Size Width:	
Track Closure Time:		Sheen Size Width U:	
Track Closure Units:		Sheen Color:	
Track Close Dir:		Dir of Sheen Travel:	
Media Interest:	UNKNOWN	Sheen Odor Desc:	
Medium Desc:	NON-RELEASE (N/A)	Duration Unit:	
Addl Medium Info:	TRESPASSER	Additional Info:	THE EVENT IS BELIEVED TO BE A HOMICIDE AND NOT TRAIN RELATED.

Site: **MP: 396.1 SUB: MOJAVE ROSAMONT CA** ERNS

NRC Report No:	1127258	Latitude Degrees:	
Type of Incident:	RAILROAD NON-RELEASE	Latitude Minutes:	
Incident Cause:	TRESPASSER	Latitude Seconds:	
Incident Date:	8/31/2015 8:20:00 PM	Longitude Degrees:	
Incident Location:	MAIN LINE	Longitude Minutes:	
Incident Dtg:	OCCURRED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Direction from City:		Location Section:	
Location County:	KERN	Location Township:	
Potential Flag:	No	Location Range:	
Year:	Year 2015 Reports		
Description of Incident:	CALLER REPORTED THAT A TRESPASSER WAS STRUCK BY A FREIGHT TRAIN WHICH RESULTED IN FATAL INJURIES.		

Calls Information

Date Time Received:	8/31/2015 9:58:19 PM	Responsible City:	
Date Time Complete:	8/31/2015 10:08:59 PM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:
Tank Regulated: U
Tank Regulated By:
Capacity of Tank:
Capacity Tank Units:
Description of Tank:
Actual Amount:
Actual Amount Units:
Tank Above Ground: ABOVE
NPDES:
NPDES Compliance: U
Init Contin Rel No:
Contin Rel Permit:
Contin Release Type:
Aircraft ID:
Aircraft Runway No:
Aircraft Spot No:
Aircraft Type:
Aircraft Model:
Aircraft Fuel Cap:
Aircraft Fuel Cap U:
Aircraft Fuel on Brd:
Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj:
Type of Fuel:
DOT Crossing No:
DOT Regulated: U
Pipeline Type:
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: N
Railroad Hotline:
Railroad Milepost: 396.1
Grade Crossing: N
Crossing Device Ty:
Ty Vehicle Involved:
Device Operational: Y

Building ID:
Location Area ID:
Location Block ID:
OCSG No:
OCSF No:
State Lease No:
Pier Dock No:
Berth Slip No:
Brake Failure: N
Airbag Deployed: U
Transport Contain: U
Location Subdiv: MOJAVE
Platform Rig Name:
Platform Letter:
Allision: N
Type of Structure:
Structure Name:
Structure Oper: U
Transit Bus Flag:
Date Time Norm Serv:
Serv Disrupt Time:
Serv Disrupt Units:
CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling:
Passenger Route: NO
Passenger Delay: NO
Sub Part C Test Req: UNK
Conductor Test:
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: U
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: STATE PATROL AND SHERIFF DEPT ARE
 ONSCENE, INVESTIGATION UNDERWAY
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: N
No. Injured:
No. Hospitalized:
No. Fatalities: 1
Any Fatalities: Y
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:

State Agen Report No: 15-5122, 68
State Agen on Scene:
State Agen Notified: OES, CHP, SHERIFF DEPT
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: N
Weather Conditions:
Air Temperature:
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact:
Passengers Transfer: NO

Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: Y
Track Desc: MAIN LINE
Track Closure Time:
Track Closure Units:
Track Close Dir:
Media Interest: UNKNOWN
Medium Desc: RAIL REPORT (N/A)
Addl Medium Info: TRESPASSER FATALITY

Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info: TRACK CLOSURE IS STILL ONGOING.

Site:

200-300 YDS NORTH OF ROSAMOND BLVD & 100YDS,EAST OF UNITED STREET ROSAMOND CA

ERNS

NRC Report No: 388538
Type of Incident: FIXED
Incident Cause: DUMPING
Incident Date: 5/24/1997 1:00:00 PM
Incident Location:
Incident Dtg: DISCOVERED
Distance from City:
Distance Units:
Direction from City:
Location County: KERN
Potential Flag:
Year: Year 1997 Reports
Description of Incident: ABANDONED DRUM APPROX. 30-35 GAL DRUM / CONTENTS ARE LEAKING / OFF OF ROSAMOND BLVD 200-300YDS NORTH / CROSS STREET IS UNITED 100YDS EAST

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:
Location Township:
Location Range:

Material Spill Information

Chris Code: OUN
CAS No:
UN No:
Name of Material: UNKNOWN OIL
Amount of Material: 35

Unit of Measure: GALLON(S)
If Reached Water: YES
Amount in Water: 0
Unit Reach Water: NONE

Calls Information

Date Time Received: 5/24/1997 4:48:12 PM
Date Time Complete: 5/24/1997 4:57:50 PM
Call Type: INC
Resp Company:
Resp Org Type: UNKNOWN

Responsible City:
Responsible State: XX
Responsible Zip:
Source: UNAVAILABLE

Incident Information

Tank ID:
Tank Regulated: U
Tank Regulated By:
Capacity of Tank:
Capacity Tank Units:
Description of Tank:
Actual Amount:
Actual Amount Units:
Tank Above Ground: ABOVE
NPDES:
NPDES Compliance: U
Init Contin Rel No:
Contin Rel Permit:
Contin Release Type:
Aircraft ID:
Aircraft Runway No:
Aircraft Spot No:

Building ID:
Location Area ID:
Location Block ID:
OCSG No:
OCSF No:
State Lease No:
Pier Dock No:
Berth Slip No:
Brake Failure: N
Airbag Deployed:
Transport Contain: U
Location Subdiv:
Platform Rig Name:
Platform Letter:
Allision: N
Type of Structure:
Structure Name:

Aircraft Type: UNKNOWN
Aircraft Model:
Aircraft Fuel Cap:
Aircraft Fuel Cap U:
Aircraft Fuel on Brd:
Aircraft Fuel OB U:
Aircraft Hanger:
Road Mile Marker:
Power Gen Facility: U
Generating Capacity:
Type of Fixed Obj: UNKNOWN
Type of Fuel:
DOT Crossing No:
DOT Regulated: U
Pipeline Type: UNKNOWN
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: U
Railroad Hotline: No
Railroad Milepost: UNKNOWN
Grade Crossing: N
Crossing Device Ty:
Ty Vehicle Involved: UNKNOWN
Device Operational: Y

Structure Oper: Y
Transit Bus Flag:
Date Time Norm Serv:
Serv Disrupt Time:
Serv Disrupt Units:
CR Begin Date:
CR End Date:
CR Change Date:
FBI Contact:
FBI Contact Dt Tm:
Passenger Handling:
Passenger Route: XXX
Passenger Delay: XXX
Sub Part C Test Req: XXX
Conductor Test:
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: U
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act: NONE
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: U
No. Injured:
No. Hospitalized:
No. Fatalities:
Any Fatalities: U
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:
Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: N
Track Desc:
Track Closure Time:
Track Closure Units:
Track Close Dir:
Media Interest:
Medium Desc: LAND
Addl Medium Info: DESERT

State Agen Report No:
State Agen on Scene:
State Agen Notified:
Fed Agency Notified:
Oth Agency Notified:
Body of Water:
Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: N
Weather Conditions:
Air Temperature:
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact: N
Passengers Transfer: UNK
Passenger Injuries:
Employee Injuries:
Occupant Fatality:
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info:

THE DRUM IS BLUE WITH NO
 IDENTIFICATION & A BLACK TOP / DRUM IS
 SITTING BETWEEN TWO HOUSING
 DEVELOPMENTS / 1MI FROM FRONT GATE
 OF EDWARDS AFB

Site:

MILEPOST 405.07,SUB MOJAVE LANCASTER CA

ERNS

NRC Report No:	1278351	Latitude Degrees:	
Type of Incident:	RAILROAD	Latitude Minutes:	
Incident Cause:	TRESPASSER	Latitude Seconds:	
Incident Date:	5/29/2020 5:13	Longitude Degrees:	
Incident Location:	ON THE RAIL TRACK	Longitude Minutes:	
Incident Dtg:	OCCURRED	Longitude Seconds:	
Distance from City:		Lat Quad:	
Distance Units:		Long Quad:	
Direction from City:		Location Section:	
Location County:	LOS ANGELES	Location Township:	
Potential Flag:	No	Location Range:	
Year:	Year 2020 Reports		
Description of Incident:	CALLER REPORTED A FREIGHT TRAIN STRUCK A VEHICLE ON THE RAIL TRACK AT A GRADE CROSSING. CALLER STATED THERE WAS A RELEASE OF GASOLINE ON THE RAIL TRACK. CALLER ALSO STATED THERE WERE TWO VEHICLE FATALITIES.		

Material Spill Information

Chris Code:	GAS	Unit of Measure:	GALLON(S)
CAS No:	000000-00-0	If Reached Water:	NO
UN No:		Amount in Water:	
Name of Material:	GASOLINE: AUTOMOTIVE (UNLEADED)	Unit Reach Water:	
Amount of Material:	1		

Calls Information

Date Time Received:	5/29/2020 9:33:00 AM	Responsible City:	
Date Time Complete:	5/29/2020 9:44:00 AM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	U
NPDES:		Airbag Deployed:	U
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	MOJAVE
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	U
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:		Structure Oper:	U
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	
Aircraft Fuel OB U:		CR Begin Date:	
Aircraft Hanger:		CR End Date:	
Road Mile Marker:		CR Change Date:	
Power Gen Facility:	U	FBI Contact:	
Generating Capacity:		FBI Contact Dt Tm:	
Type of Fixed Obj:		Passenger Handling:	
Type of Fuel:		Passenger Route:	NO
DOT Crossing No:	750640U	Passenger Delay:	NO

DOT Regulated: U
Pipeline Type:
Pipeline Abv Ground: ABOVE
Pipeline Covered: U
Exposed Underwater: N
Railroad Hotline:
Railroad Milepost: 405.07
Grade Crossing: Y
Crossing Device Ty: GATES
Ty Vehicle Involved: PASSENGER TRUCK
Device Operational: U

Sub Part C Test Req: UNK
Conductor Test:
Engineer Test:
Trainman Test:
Yard Foreman Test:
RCL Operator Test:
Brakeman Test:
Train Dispat Test:
Signalman Test:
Oth Employee Test:
Unknown Test:

Incident Details Information

Release Secured: N
Release Rate:
Release Rate Unit:
Release Rate Rate:
Est Duration of Rel:
Desc Remedial Act:

CALLER STATED THE TRACK IS STILL CLOSED FOR INVESTIGATION. CALLER STATED THE STATUS OF THE CLEANUP IS UNKNOWN.

Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
No Evacuated:
Who Evacuated:
Radius of Evacu:
Any Injuries: N
No. Injured:
No. Hospitalized:
No. Fatalities: 2
Any Fatalities: Y
Any Damages: N
Damage Amount:
Air Corridor Closed: N
Air Corridor Desc:
Air Closure Time:
Waterway Closed: N
Waterway Desc:
Waterway Close Time:
Road Closed: N
Road Desc:
Road Closure Time:
Road Closure Units:
Closure Direction:
Major Artery: No
Track Closed: Y
Track Desc: SINGLE MAIN TRACK
Track Closure Time: 1
Track Closure Units:
Track Close Dir: ALL
Media Interest: NONE
Medium Desc: RAIL REPORT (N/A)
Addl Medium Info: TRESPASSER

State Agen Report No: 20-2855
State Agen on Scene: LOS ANGELES SHERIFF & FIRE
State Agen Notified: LOS ANGELES SHERIFF & FIRE; CA OES
Fed Agency Notified:
Oth Agency Notified:
Body of Water:

Tributary of:
Near River Mile Make:
Near River Mile Mark:
Offshore: N
Weather Conditions: CLEAR
Air Temperature: 60
Wind Direction:
Wind Speed:
Wind Speed Unit:
Water Supp Contam: U
Water Temperature:
Wave Condition:
Current Speed:
Current Direction:
Current Speed Unit:
EMPL Fatality:
Pass Fatality:
Community Impact:
Passengers Transfer: NO
Passenger Injuries:
Employee Injuries:
Occupant Fatality: 2
Sheen Size:
Sheen Size Units:
Sheen Size Length:
Sheen Size Length U:
Sheen Size Width:
Sheen Size Width U:
Sheen Color:
Dir of Sheen Travel:
Sheen Odor Desc:
Duration Unit:
Additional Info: UNION PACIFIC CASE: 2020-05-29-022AAG

Site:
MOJAVE SUB LANCASTER CA

ERNS

NRC Report No: 735459
Type of Incident: RAILROAD NON-RELEASE
Incident Cause: SUICIDE
Incident Date: 9/17/2004 2:34:00 PM
Incident Location: MM: 406.9
Incident Dtg: OCCURRED
Distance from City:
Distance Units:
Direction from City:

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:
Longitude Degrees:
Longitude Minutes:
Longitude Seconds:
Lat Quad:
Long Quad:
Location Section:

Location County:	LOS ANGELES	Location Township:	
Potential Flag:	No	Location Range:	
Year:	Year 2004 Reports		
Description of Incident:	AN INDIVIDUAL STOOD ON THE TRAIN TRACKS AND WAS STRUCK AND KILLED BY THE TRAIN.		

Calls Information

Date Time Received:	9/17/2004 4:22:21 PM	Responsible City:	
Date Time Complete:	9/17/2004 4:25:02 PM	Responsible State:	XX
Call Type:	INC	Responsible Zip:	
Resp Company:		Source:	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		Building ID:	
Tank Regulated:	U	Location Area ID:	
Tank Regulated By:		Location Block ID:	
Capacity of Tank:		OCSG No:	
Capacity Tank Units:		OCSF No:	
Description of Tank:		State Lease No:	
Actual Amount:		Pier Dock No:	
Actual Amount Units:		Berth Slip No:	
Tank Above Ground:	ABOVE	Brake Failure:	N
NPDES:		Airbag Deployed:	
NPDES Compliance:	U	Transport Contain:	U
Init Contin Rel No:		Location Subdiv:	MOJAVE
Contin Rel Permit:		Platform Rig Name:	
Contin Release Type:		Platform Letter:	
Aircraft ID:		Allision:	N
Aircraft Runway No:		Type of Structure:	
Aircraft Spot No:		Structure Name:	
Aircraft Type:		Structure Oper:	U
Aircraft Model:		Transit Bus Flag:	
Aircraft Fuel Cap:		Date Time Norm Serv:	
Aircraft Fuel Cap U:		Serv Disrupt Time:	
Aircraft Fuel on Brd:		Serv Disrupt Units:	
Aircraft Fuel OB U:		CR Begin Date:	
Aircraft Hanger:		CR End Date:	
Road Mile Marker:		CR Change Date:	
Power Gen Facility:	U	FBI Contact:	
Generating Capacity:		FBI Contact Dt Tm:	
Type of Fixed Obj:		Passenger Handling:	
Type of Fuel:		Passenger Route:	XXX
DOT Crossing No:		Passenger Delay:	XXX
DOT Regulated:	U	Sub Part C Test Req:	XXX
Pipeline Type:		Conductor Test:	
Pipeline Abv Ground:	ABOVE	Engineer Test:	
Pipeline Covered:	U	Trainman Test:	
Exposed Underwater:	N	Yard Foreman Test:	
Railroad Hotline:		RCL Operator Test:	
Railroad Milepost:	406.9	Brakeman Test:	
Grade Crossing:	N	Train Dispat Test:	
Crossing Device Ty:		Signalman Test:	
Ty Vehicle Involved:		Oth Employee Test:	
Device Operational:	Y	Unknown Test:	

Incident Details Information

Release Secured:	U	State Agen Report No:	
Release Rate:		State Agen on Scene:	
Release Rate Unit:		State Agen Notified:	CA OES, CA HIGHWAY PATROL
Release Rate Rate:		Fed Agency Notified:	
Est Duration of Rel:		Oth Agency Notified:	
Desc Remedial Act:	LOCAL EMS RESPONDED	Body of Water:	
Fire Involved:	N	Tributary of:	
Fire Extinguished:	U	Near River Mile Make:	
Any Evacuations:	N	Near River Mile Mark:	

No Evacuated:		Offshore:	N
Who Evacuated:		Weather Conditions:	
Radius of Evacu:		Air Temperature:	
Any Injuries:	N	Wind Direction:	
No. Injured:		Wind Speed:	
No. Hospitalized:		Wind Speed Unit:	
No. Fatalities:	1	Water Supp Contam:	U
Any Fatalities:	Y	Water Temperature:	
Any Damages:	N	Wave Condition:	
Damage Amount:		Current Speed:	
Air Corridor Closed:	N	Current Direction:	
Air Corridor Desc:		Current Speed Unit:	
Air Closure Time:		EMPL Fatality:	
Waterway Closed:	N	Pass Fatality:	
Waterway Desc:		Community Impact:	N
Waterway Close Time:		Passengers Transfer:	UNK
Road Closed:	N	Passenger Injuries:	
Road Desc:		Employee Injuries:	
Road Closure Time:		Occupant Fatality:	
Road Closure Units:		Sheen Size:	
Closure Direction:		Sheen Size Units:	
Major Artery:	No	Sheen Size Length:	
Track Closed:	N	Sheen Size Length U:	
Track Desc:		Sheen Size Width:	
Track Closure Time:		Sheen Size Width U:	
Track Closure Units:		Sheen Color:	
Track Close Dir:		Dir of Sheen Travel:	
Media Interest:	NONE	Sheen Odor Desc:	
Medium Desc:	NON-RELEASE (N/A)	Duration Unit:	
Addl Medium Info:		Additional Info:	CALLER HAD NO ADDITIONAL INFORMATION.

Site: 155TH STREET DISPOSAL SITE
NEAR 155TH STREET AND AVENUE LANCASTER CA 93534

[FINDS/FRS](#)

Registry ID:	110013959350
FIPS Code:	06037
HUC Code:	18070105
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	11-APR-03
Update Date:	01-JUN-17
Interest Types:	HAZARDOUS AIR POLLUTANT MAJOR
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	562212
NAICS Code Descriptions:	SOLID WASTE LANDFILL.
Conveyor:	EIS
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	25
Census Block Code:	060371031021002
EPA Region Code:	09
County Name:	LOS ANGELES
US/Mexico Border Ind:	
Latitude:	34.263484
Longitude:	-118.29907
Reference Point:	ACRES POINTS NOT REPRESENTED BY 101-107
Coord Collection Method:	INTERPOLATION-OTHER
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110013959350
Program Acronyms:	

EIS:2235211

Site: KERN COUNTY GENERAL SERVICES
1/2 MILE WEST OF HWY 14 ON AVE A ROSAMOND CA 935600000

HAZNET

SIC Code:		Mailing City:	BAKERSFIELD
NAICS Code:		Mailing State:	CA
EPA ID:	CAC002355495	Mailing Zip:	933010000
Create Date:	5/14/2001	Region Code:	1
Fac Act Ind:	No	Owner Name:	KERN CONTY
Inact Date:	1/11/2002	Owner Addr 1:	1415 TRUXTUN AVE
County Code:	15	Owner Addr 2:	
County Name:	Kern	Owner City:	BAKERSFIELD
Mail Name:		Owner State:	CA
Mailing Addr 1:	1115 TRUXTUN AVE	Owner Zip:	933015215
Mailing Addr 2:		Owner Phone:	6618686910
Owner Fax:			

Contact Information

--

Contact Name:	JOHN MELLOW/ LOSS PREVENTION S
Street Address 1:	1115 TRUXTUN AVE
Street Address 2:	
City:	BAKERSFIELD
State:	CA
Zip:	933010000
Phone:	6618683868

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Tanner Information

--

Generator EPA ID:	CAC002355495
Generator County Code:	15
Generator County:	Kern
TSD EPA ID:	CAD980675276
TSD County Code:	15
TSD County:	Kern
State Waste Code:	151
State Waste Code Desc.:	Asbestos containing waste
Method Code:	
Method Description:	
Tons:	1.6856
Year:	2001

--

Site: JOHN CALAMDRI FARMS
GASKELL RD ROSAMOND CA 93560

HAZNET

SIC Code:	0119	Mailing City:	PALMDALE
NAICS Code:	11115	Mailing State:	CA
EPA ID:	CAL000262760	Mailing Zip:	935510000
Create Date:	11/25/2002 8:19:21 AM	Region Code:	1
Fac Act Ind:	No	Owner Name:	JOHN CALANDRI
Inact Date:	6/30/2011	Owner Addr 1:	6135 W AVENUE M-8
County Code:	15	Owner Addr 2:	
County Name:	Kern	Owner City:	PALMDALE
Mail Name:		Owner State:	CA
Mailing Addr 1:	6135 W AVENUE M-8	Owner Zip:	935510000
Mailing Addr 2:		Owner Phone:	6619450616
Owner Fax:	0000000000		

Contact Information

--

Contact Name:	JOHN CALANDRI
Street Address 1:	6135 W AVENUE M-8
Street Address 2:	
City:	PALMDALE
State:	CA
Zip:	935510000

Phone: 6619450616
-- --

Site: MARITORENA FARMS
140TH & AVE A8 LANCASTER CA 935600000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002330257
Create Date: 2/6/2001
Fac Act Ind: No
Inact Date: 9/11/2001
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 300 E PANAMA RD
Mailing Addr 2:
Owner Fax:

Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 933070000
Region Code: 3
Owner Name: JOHN MARITORENA/JOSE
Owner Addr 1: 300 E PANAMA RD
Owner Addr 2:
Owner City: BAKERSFIELD
Owner State: CA
Owner Zip: 933070000
Owner Phone: 0000000000

Contact Information

--
Contact Name: JOHN MARITORENA/PARTNER
Street Address 1: 300 E PANAMA RD
Street Address 2:
City: BAKERSFIELD
State: CA
Zip: 933070000
Phone: 6618330329
--

Site: FRANK PANENELL
2715 CENTER ROSAMOND ROSAMOND CA 935600000

HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002114968
Create Date: 6/22/1999
Fac Act Ind: No
Inact Date: 10/25/2000
County Code: 15
County Name: Kern
Mail Name:
Mailing Addr 1: PO BOX 25376
Mailing Addr 2:
Owner Fax:

Mailing City: SANTA ANA
Mailing State: CA
Mailing Zip: 927490000
Region Code: 1
Owner Name: FRANK PANENELL
Owner Addr 1: PO BOX 25376
Owner Addr 2:
Owner City: SANTA ANA
Owner State: CA
Owner Zip: 927490000
Owner Phone: 7144287744

Contact Information

--
Contact Name: FRANK PANENELL-OWNER
Street Address 1: PO BOX 25376
Street Address 2:
City: SANTA ANA
State: CA
Zip: 927490000
Phone: 7144287744
--

Tanner Information

--
Generator EPA ID: CAC002114968
Generator County Code: 15
Generator County: Kern
TSD EPA ID: CAT080013352
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 223
State Waste Code Desc.: Unspecified oil-containing waste
Method Code: R01
Method Description: Recycler

Tons: 4.17
Year: 1999
--

Site: BURTON BROTHERS
3/4 MILES N OF ROSAMOND BLVD ROSAMOND CA 920410000

HAZNET

SIC Code:		Mailing City:	LA MESA
NAICS Code:		Mailing State:	CA
EPA ID:	CAX000084137	Mailing Zip:	920410000
Create Date:	6/8/1984	Region Code:	1
Fac Act Ind:	No	Owner Name:	--
Inact Date:	4/30/1986	Owner Addr 1:	--
County Code:	15	Owner Addr 2:	--
County Name:	Kern	Owner City:	--
Mail Name:		Owner State:	99
Mailing Addr 1:	9120 SAN JUAN PLACE	Owner Zip:	--
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

--
Contact Name: --
Street Address 1: DEACT. PER 11/94 SURVEY-P.H.
Street Address 2: --
City: LA MESA
State: CA
Zip: 920410000
Phone: --
--

Site: GLADDIS, PEVLER, FRISCH, HOELCKER
170TH STREET WEST 3 MILES N OF ROSAMOND CA 900000000

HAZNET

SIC Code:		Mailing City:	SACRAMENTO
NAICS Code:		Mailing State:	CA
EPA ID:	CLU960003840	Mailing Zip:	958120806
Create Date:	2/15/1996	Region Code:	1
Fac Act Ind:	No	Owner Name:	--
Inact Date:	6/19/2002	Owner Addr 1:	--
County Code:	15	Owner Addr 2:	--
County Name:	Kern	Owner City:	--
Mail Name:		Owner State:	99
Mailing Addr 1:	DTSC CLU/ERU	Owner Zip:	--
Mailing Addr 2:		Owner Phone:	0000000000
Owner Fax:			

Contact Information

--
Contact Name: DTSC EMERGENCY RESPONSE UNIT
Street Address 1: DTSC CLU/ERU
Street Address 2: --
City: --
State: 99
Zip: --
Phone: 9163233600
--
--

Tanner Information

--
Generator EPA ID: CLU960003840
Generator County Code: 15
Generator County: Kern
TSD EPA ID: AZD049318009
TSD County Code: 99
TSD County: Unknown
State Waste Code: 551
State Waste Code Desc.: Laboratory waste chemicals
Method Code: H01

Method Description: Transfer station
Tons: 0.0244
Year: 1996
--

Site: CURT CHRISTIANSON TRUCKING
NB 14 BETWEEN AVENUE A AND ROSAMOND LANCASTER CA 93535

HAZNET

SIC Code:	9999	Mailing City:	ELEVA
NAICS Code:	99999	Mailing State:	WI
EPA ID:	CAC002755507	Mailing Zip:	547389593
Create Date:	12/20/2013	Region Code:	3
Fac Act Ind:	No	Owner Name:	CURT CHRISTIANSON
Inact Date:	3/21/2014	Owner Addr 1:	N47623 CHRISTIANSON RD
County Code:	19	Owner Addr 2:	
County Name:	Los Angeles	Owner City:	ELEVA
Mail Name:		Owner State:	WI
Mailing Addr 1:	N47623 CHRISTIANSON RD	Owner Zip:	547389593
Mailing Addr 2:		Owner Phone:	7152873143
Owner Fax:	7152873143		

Contact Information

--
Contact Name: CURT CHRISTIANSON
Street Address 1: N47623 CHRISTIANSON RD
Street Address 2:
City: ELEVA
State: WI
Zip: 547389593
Phone: 7152873143
--

Site: NORTHROP CORPORATION ADVANCED
170TH STREET WEST, ROSAMOND BO ROSAMOND CA 93560

HHSS

County:
Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024e09.pdf>

Site: ARMANDO IARUSSI
R 1 BOX 300 HOLIDAY ROSAMOND CA 93568

HHSS

County:
Pdf File Url: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024412.pdf>

Site: AVE. A ROSAMOND CA

HIST CHMIRS

OES Control NO:	9990432	Incident Date:	11/27/1988
Release Factors:	Intentional Act	Date Reported:	11/28/1988
Release Text:		Fatalities:	
Equipm Involved:	No Equip Involved	Other Injury:	
Action Taken Text:		Other Decon:	
Chemicals:	ACETONE	Other Fatal:	
Case Number:		Vehicle:	
HazMat Other:	HEALTH DEP	State:	
HM Injury:		CA DOT PUC ICC:	
Decon:		Company Name:	
Agency Name:	KERN CEH	County:	KERN
HazMat Pers:	Other		
Action Taken:	Remove Hazard (Neutralize)		
More than three involved?:	2		

Site: HIST CHMIRS

2.5 MILES NORTH OF ROSAMOND ON UNITED STREET ROSAMOND CA

OES Control NO:	9100024	Incident Date:	1/22/1991
Release Factors:	Abandoned, Intentional Act	Date Reported:	1/25/1991
Release Text:		Fatalities:	0
Equipm Involved:	No Equip Involved	Other Injury:	0
Action Taken Text:		Other Decon:	0
Chemicals:	BROMOBENZENE	Other Fatal:	0
Case Number:		Vehicle:	
HazMat Other:	ATT PERSON,	State:	
HM Injury:	0	CA DOT PUC ICC:	
Decon:	0	Company Name:	
Agency Name:	KERN CEH	County:	KERN
HazMat Pers:	Other, No Reference Mat. Used		
Action Taken:	Establish Safe Area, ID/Analysis of Hazmat, Remove Hazard (Neutralize)		
More than three involved?:	2		

Site: **NORTHROP CORPORATION, ADVANCED**
170TH STREET WEST, ROSAMOND BO ROSAMOND CA

HIST TANK

Owner Name:	NORTHROP CORPORATION, ADVANCED	No of Containers:	1
Owner Street:	8900 E. WASHINGTON BOULEVARD	County:	KERN
Owner City:	PICO RIVERA	Facility State:	CA
Owner State:	CA	Facility Zip:	93560
Owner Zip:	90660		

Site: **Grimmway - Silvershields Ranch**
125th Street West 125th Street West Rosamond CA 93560

KERN AST

Facility ID:	FA0038428	Cers ID:	10440667
Mailing Address:	P.O Box 81498	Mailing States:	CA
Mailing Address 2:		Mailing Zip:	93380-1498
Mailing City:	Bakersfield		

Kern County - AST Details

Billing Status:	Inactive, non-billable	Desig Employee:	CUPA 9
Current Inspection Dt:	9/1/2019	HMIRRP Due Date:	6/30/2014
Program Element Code:	CD05		
Program Element:	CONDITIONALLY EXEMPT FROM APSA		

Site: **Grimmway - Silvershields Ranch**
125th Street West 125th Street West Rosamond CA

KERN CUPA

Facility ID:	FA0038428	CERS ID:	10440667
Mailing Address:	P.O Box 81498	Mailing State:	CA
Mailing Address 2:		Mailing Zip:	93380-1498
Mailing City:	Bakersfield		

Detail(s)

Billing Status:	Inactive, non-billable	Prog Element Code:	CB2T
Current Inspection Dt:	9/1/2019	Program Element:	BUS PLAN MED LOW RISK 1 UNIT
HMIRRP Due Date:	6/30/2014	Employee:	CUPA 9
Report Source:	CUPA - Hazardous Material Business Plan (HMBP) Inventory		

Site: **SCE Piute Substation**
N/E C/O E Ave J & 90th St LANCASTER CA 93535

LA COUNTY CUPA

Facility ID:	FA0001716
CERS ID:	10190123

Active Facility Details

PE: 3000

Inactive Facility Details

PE: 3702

Site: SCE GLOW SUBSTATION
98TH ST WEST AND AVE I LANCASTER CA 93536

LA COUNTY CUPA

Facility ID: FA0047856
CERS ID: 10663555

Active Facility Details

PE: 3001

Site: VERIZON BUSINESS - WILOCA
MUNZ / AQUEDUCT LANCASTER CA 93536

LA COUNTY CUPA

Facility ID: FA0018461
CERS ID: 10200151

Active Facility Details

PE: 3002

Inactive Facility Details

PE: 3500

Site: SOLAR STAR CALIFORNIA XIX, LLC
000 W AVENUE A LANCASTER CA 93536

LA SML

Site ID: SD0000512
Case ID: RO0001512
Status:

Site: AVENUE A
1/2 MI W OF W 10TH ST ALONG AVENUE A ROSAMOND CA 93560

SEMS ARCHIVE

Site ID: 0903553 FIPS Code: 06029
EPA ID: CAD982404873 Cong District: 20
Superfund Alt Agmt: No Region: 09
Federal Facility: No County: KERN
FF Docket: No
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Action Information

Operable Units:	00	Start Actual:	10/24/1988
Action Code:	RV	Finish Actual:	01/31/1989
Action Name:	RMVL	Qual:	S
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	12/16/1990
Action Code:	RV	Finish Actual:	03/22/1991
Action Name:	RMVL	Qual:	S
SEQ:	2	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	

Action Code:	VS	Finish Actual:	01/22/1996
Action Name:	ARCH SITE	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf In-Hse
Operable Units:	00	Start Actual:	01/31/1989
Action Code:	DS	Finish Actual:	01/31/1989
Action Name:	DISCVRY	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	10/24/1988
Action Code:	RC	Finish Actual:	03/22/1991
Action Name:	RVL CRP	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	
Action Code:	PA	Finish Actual:	12/19/1989
Action Name:	PA	Qual:	N
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	04/02/1991
Action Code:	AR	Finish Actual:	04/02/1991
Action Name:	ADMIN REC	Qual:	V
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	
Action Code:	PA	Finish Actual:	12/19/1989
Action Name:	PA	Qual:	N
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	10/24/1988
Action Code:	RV	Finish Actual:	01/31/1989
Action Name:	RMVL	Qual:	S
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	04/02/1991
Action Code:	AR	Finish Actual:	04/02/1991
Action Name:	ADMIN REC	Qual:	V
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	10/24/1988
Action Code:	RC	Finish Actual:	03/22/1991
Action Name:	RVL CRP	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	01/31/1989
Action Code:	DS	Finish Actual:	01/31/1989
Action Name:	DISCVRY	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf
Operable Units:	00	Start Actual:	
Action Code:	VS	Finish Actual:	01/22/1996
Action Name:	ARCH SITE	Qual:	
SEQ:	1	Curr Action Lead:	EPA Perf In-Hse
Operable Units:	00	Start Actual:	12/16/1990
Action Code:	RV	Finish Actual:	03/22/1991
Action Name:	RMVL	Qual:	S
SEQ:	2	Curr Action Lead:	EPA Perf

Site: 155th Street Disposal Site
Near 155th Street And Avenue 'h' Lancaster CA 92816

SWF/LF

SWIS No:	19-AA-0068	Latitude:	34.70883
EPA Fed Registry ID:		Longitude:	-117.88158
Operational Status:	Clean Closed	County:	Los Angeles
Regulatory Status:	Unpermitted	Site ZIP:	92816
Site is Archived:	Yes	ARB District:	Antelope Valley
Absorbed on:		SWRCB Region:	Lahontan
Absorbed by:		Site Point of Contact:	Dawn Liang
Site Inert Debris Eng Fill:	No		

Closed Illegal Aband: Yes
Closed Illegal Aband Cat: A2
Finance Assuran Responsible: No
Incorporated City: Lancaster
Local Government: Lancaster
Reporting Agency Legal Name: County of Los Angeles
Reporting Agency Department: Department of Public Health
Enforcing Agency Legal Name: County of Los Angeles
Enforcing Agency Department: Department of Public Health

Site Operators

Site Type: Disposal Only
Operator Name: Bradford, Robert
Operator Address: 211 S State College #329
Operator City: Anaheim
Operator State: CA
Operator ZIP Code: 92816
Operator Phone: (714) 772-2354

Is Archived: Yes
Contact Name: Robert Bradford
Contact First Name: Robert
Contact Last Name: Bradford
Contact Title: Sole Proprietor
Contact Email:
Started on: 8/16/1994

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan:

FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Dec 30, 2020

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Dec 30, 2020

Deleted NPL:

DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Dec 30, 2020

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Oct 28, 2020

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:[SEMS ARCHIVE](#)

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Oct 28, 2020

Comprehensive Environmental Response, Compensation and Liability Information System -[CERCLIS](#)**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:[RCRA CORRACTS](#)

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 19, 2020

RCRA non-CORRACTS TSD Facilities:[RCRA TSD](#)

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Oct 19, 2020

RCRA Generator List:[RCRA LQG](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 19, 2020

RCRA Small Quantity Generators List:[RCRA SQG](#)

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 19, 2020

RCRA Very Small Quantity Generators List:[RCRA VSQG](#)

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 19, 2020

RCRA Non-Generators:[RCRA NON GEN](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 19, 2020

Federal Engineering Controls-ECs:[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 26, 2020

Federal Institutional Controls- ICs:[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Aug 26, 2020

Emergency Response Notification System:[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:[ERNS](#)

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 9, 2020

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 6, 2021

FEMA Underground Storage Tank Listing:

[FEMA UST](#)

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries:

[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals:

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property:

[SEMS LIEN](#)

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 28, 2020

Superfund Decision Documents:

[SUPERFUND ROD](#)

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Sep 22, 2020

State

State Response Sites:

[RESPONSE](#)

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jan 13, 2021

EnviroStor Database:

[ENVIROSTOR](#)

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jan 13, 2021

Delisted State Response Sites:

[DELISTED ENVS](#)

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jan 13, 2021

Solid Waste Information System (SWIS):

[SWF/LF](#)

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Oct 15, 2020

EnviroStor Hazardous Waste Facilities:

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jan 13, 2021

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Land Disposal Sites:

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Nov 16, 2020

Leaking Underground Fuel Tank Reports:

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Nov 16, 2020

Delisted Leaking Storage Tanks:

DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Feb 2, 2021

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:

SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Permitted Underground Storage Tank (UST) in GeoTracker:

UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Nov 16, 2020

Proposed Closure of Underground Storage Tank Cases:

UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Feb 2, 2021

Historical Hazardous Substance Storage Information Database:

HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Aboveground Storage Tanks:

AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks:

AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks:

TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Dec 3, 2020

Delisted Storage Tanks:

DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jan 28, 2021

California Environmental Reporting System (CERS) Tanks:

CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Oct 26, 2020

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:

LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jan 13, 2021

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:

HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Oct 16, 2020

Deed Restrictions and Land Use Restrictions:

DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Nov 16, 2020

Voluntary Cleanup Program:

VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jan 13, 2021

GeoTracker Cleanup Program Sites:

CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Nov 16, 2020

Delisted County Records:

DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Jan 29, 2021

Delisted California Environmental Reporting System (CERS) Tanks:

DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Oct 26, 2020

Historical Hazardous Substance Storage Container Information - Facility Summary:

HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in the 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Tribal**Leaking Underground Storage Tanks (LUSTs) on Indian Lands:**

INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands:

INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks:

DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks:

DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County**Kern County - UST List:**

KERN UST

A list of active and inactive Underground Storage Tanks made available by the Environmental Health Division of Kern County, California.

Government Publication Date: Jan 29, 2021

Kern County - AST List:

KERN AST

A list of aboveground storage tanks in the county of Kern. This list is made available by Kern County Public Health Services Department.

Government Publication Date: Jan 29, 2021

Kern County - CUPA List:

KERN CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Kern. This list is made available by Kern County Environmental Health Services Department which has been certified by CalEPA to implement the Unified program as a CUPA for Kern County.

Government Publication Date: Jan 29, 2021

Kern County - City of Bakersfield CUPA List:

BKRSFIELD CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Bakersfield. This list is made available by the City of Bakersfield Fire Department.

Los Angeles County - Site Mitigation List:

[LA SML](#)

A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.

Government Publication Date: Jul 20, 2020

Los Angeles County - Solid Waste Sites:

[LA SWF](#)

List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.

Government Publication Date: Sep 2, 2020

Los Angeles County - CUPA Program Records:

[LA COUNTY CUPA](#)

A list of inspection and enforcement records for active and inactive CUPA Program facilities, made available by the Health Hazardous Materials Division (HHMD) of the County of Los Angeles Fire Department. Includes Hazardous Materials Business Plan (HMBP), California Accidental Release Prevention Plan (CalARP), Hazardous Waste Generator (HWG), and the Aboveground Petroleum Storage Act Programs (APSA). Inactive programs include facilities that are out of business or no longer regulated by the HHMD.

Government Publication Date: Mar 25, 2020

Los Angeles County - HMS List:

[LA HMS](#)

List of sites in the Los Angeles County Department of Public Works Hazardous Materials System (HMS) Database which have or have had permits for Industrial Waste, Underground Storage Tanks, or Stormwater in the county of Los Angeles.

Government Publication Date: Nov 5, 2020

Los Angeles County - Santa Fe Springs Underground Storage Tank:

[UST SANTAFESP](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Fe Springs. This list is made available by Santa Fe Springs Department of Fire-Rescue.

Government Publication Date: Dec 17, 2020

Los Angeles County - Long Beach UST List:

[UST LONGB](#)

List of registered Underground Storage Tanks (USTs) in the City of Long Beach, Los Angeles County, made available by the Long Beach Certified Unified Program Agency (CUPA). The Long Beach CUPA operates under oversight shared by the Long Beach Fire Department and Health Department.

Government Publication Date: Jul 9, 2018

Los Angeles County - Burbank City CUPA List:

[BURBANK CUPA](#)

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

Government Publication Date: Aug 21, 2019

Los Angeles County - El Segundo City Underground Storage Tanks List:

[UST ELSEGUNDO](#)

List of registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County, made available by El Segundo City Fire Department.

Government Publication Date: Jan 17, 2017

Los Angeles County - Santa Monica City Underground Storage Tank List:

[UST SANTA MONICA](#)

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

Government Publication Date: Dec 3, 2020

Los Angeles County - Santa Monica City Aboveground Storage Tank List:

[SANTAMON AST](#)

List of registered Aboveground Storage Tanks (ASTs) made available by the Santa Monica Fire Department in the City of Santa Monica of Los Angeles County, California.

Government Publication Date: Dec 3, 2020

Los Angeles County - Santa Monica City CUPA Facilities List:

[SANTAMON CUPA](#)

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

Government Publication Date: Dec 3, 2020

Los Angeles County - Torrance City Underground Storage Tanks:[UST TORRANCE](#)

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

Government Publication Date: Aug 12, 2020

Los Angeles County - Vernon City UST List:[UST VERNON](#)

A list of Underground Storage Tanks (UST) in Vernon City provided by the Vernon City Fire Department.

Government Publication Date: Dec 14, 2020

Los Angeles County - Vernon City CUPA List:[VERNON CUPA](#)

The Vernon City Fire Department's office maintains a list of CUPA Facilities located in Vernon city.

Government Publication Date: Dec 14, 2020

Los Angeles County - City of Los Angeles UST List:[UST LA CITY](#)

A list of active and inactive underground storage tank facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Los Angeles County - City of Los Angeles AST List:[AST LA CITY](#)

A list of active and inactive above ground petroleum storage tanks made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Los Angeles County - City of Los Angeles Hazardous Materials Facilities:[LA CITY HAZMAT](#)

A list of active and inactive hazardous materials facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Additional Environmental Record Sources**Federal****PFOA/PFOS Contaminated Sites:**[PFAS NPL](#)

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2020

Facility Registry Service/Facility Index:[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program:[TRIS](#)

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases:[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality:

PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Dec 30, 2020

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Jan 6, 2021

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities:

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents:

PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Aug 5, 2020

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Alternative Fueling Stations:

ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jan 18, 2021

Registered Pesticide Establishments:

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State**Dry Cleaning Facilities:**

DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

Delisted Drycleaners:

DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

Non-Toxic Dry Cleaning Incentive Program:

DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS):

PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 16, 2020

PFOA/PFOS Groundwater:

PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup:

HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

List of Hazardous Waste Facilities Subject to Corrective Action:

DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement:

INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Oct 7, 2020

School Property Evaluation Program Sites:

SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jan 13, 2021

California Hazardous Material Incident Report System (CHMIRS):

CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Oct 12, 2020

Hazardous Waste Manifest Data:

HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical California Hazardous Material Incident Report System (CHMIRS):

HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Historical Hazardous Waste Manifest Data:

HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical Cortese List:

HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders:

CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites:

CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Oct 26, 2020

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites:

DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker:

GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Nov 16, 2020

Waste Discharge Requirements:[WASTE DISCHG](#)

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Nov 16, 2020

Toxic Pollutant Emissions Facilities:[EMISSIONS](#)

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2018

Clandestine Drug Lab Sites:[CDL](#)

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

Government Publication Date: Jun 30, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County**Los Angeles County - Santa Monica City Hazardous Materials Facilities:**[SANTAMON HAZ](#)

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

Government Publication Date: Mar 12, 2020

Los Angeles County - Santa Monica City Hazardous Waste Facilities:[SANTAMON HW](#)

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

Government Publication Date: Jul 19, 2019

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX E CREDENTIALS

Resumes

Eric St. Michel

Staff Scientist

PROFESSIONAL EXPERIENCE

Eric is a staff scientist in Terracon's Tustin, CA office. In this office, Eric helps prepare Phase I Environmental Site Assessment (ESA) reports. These efforts involve field survey, interviews with property owners, groundwater well surveys, Environmental Data Resource reports and file reviews at local county and city regulatory offices. As required, each ESA is prepared and finalized in accordance with new ASTM Standards. Her experience ranges from undeveloped land to large scale industrial and commercial properties.

PROJECT EXPERIENCE

Vacant Land - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for vacant land properties.

Undeveloped Land - California

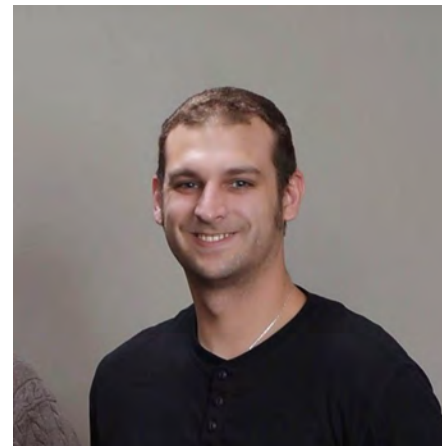
Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for undeveloped land properties.

Commercial Properties - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for commercial properties.

Retail Properties - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for retail properties.



EDUCATION

Bachelor of Science,
Environmental Science, 2012
University of California, Irvine, CA

Masters of Science,
Environmental Studies, 2016
California State University, Fullerton,
CA

WORK HISTORY

Terracon Consultants, Inc.,
Staff Scientist,
May 2019 - Present

Intertek/PSI, Staff Scientist,
2016-2019

Gannet-Fleming, Staff Scientist,
2012 - 2014

Resumes

Gabriela Jorquiera

Field Scientist

PROFESSIONAL EXPERIENCE

Gabriela is a field scientist in Terracon's Tustin, CA office. In this office, Gabriela helps prepare Phase I Environmental Site Assessment (ESA) reports. These efforts involve field survey, interviews with property owners, groundwater well surveys, Environmental Data Resource reports and file reviews at local county and city regulatory offices. As required, each ESA is prepared and finalized in accordance with new ASTM Standards. Her experience ranges from small cell Towers to large scale industrial and commercial properties.

PROJECT EXPERIENCE

Telecommunication Towers - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for telecommunication tower properties.

Vacant Land - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for vacant land properties.

Undeveloped Land - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for undeveloped land properties.

Commercial Properties - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for commercial properties.

Industrial Properties – California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for Industrial properties.

Retail Properties - California

Performed site reconnaissances, and worked as a Project Manager on Environmental Site Assessments for retail properties.



EDUCATION

Bachelor of Arts,
Environmental Studies,
University of California, Santa Cruz,
CA

WORK HISTORY

Terracon Consultants, Inc.,
Field Scientist,
2018 - Present

American Brands Enterprises,
Clerk,
2016-2018

Sunbank,
Intern,
2016-2016

Resumes

Jennifer S. Van

Project Manager

PROFESSIONAL EXPERIENCE

Ms. Van is an Environmental Group Manager in Terracon's Orange County, California Office. She has over seven years of experience in Environmental Services; Phase I Environmental Site Assessments (ESAs), Limited Subsurface Investigations (LSIs), Spill Prevention, Control and Countermeasure Plans, Radon Measurement Provider. In addition, Ms. Van has some experience with regulatory compliance. Ms. Van assists with client and team management.

PROJECT EXPERIENCE

Environmental Site Assessment (ESAs):

Performed and managed hundreds of ESAs in California and several in Hawaii and Alaska for industrial, commercial, residential, and agricultural properties. Managed long-term national accounts for financial institutions (equity and loan portfolios), real estate investment trusts, developers and other real property owners. Understands facility operating systems; state and federal regulations; and fate and transport of chemicals through air, soil, vapor, surface water and groundwater. Is experienced in the performance of ESAs under the All Appropriate Inquiry rules (ASTM 1527-13), and meets the requirements of an Environmental Professional as defined in Section 312.10 of 40 CFR 312.

Radon Assessments

Performed and managed over 10 radon assessments including commercial and residential in California.

Limited Subsurface Investigations (LSIs):

Performed and managed over 10 LSI's in California. Investigated environmental conditions in soils and groundwater as a result of releases from a variety of sources, including service stations, dry cleaners, and a wide range of industrial and manufacturing operations. Specialized in collection and interpretation of data.

Spill Prevention, Control And Countermeasure Plans (SPCCs)

Ms. Van has experience with federal and state requirements for Spill Prevention, Control and Countermeasure Plans for Tier I and II qualified facilities.



EDUCATION

Bachelor of Science,
Environmental Sciences: Natural
Sciences.
Minor: Business Administration
University of California Riverside,
California, 2011.

Masters: Environmental Engineering
California State University, Fullerton,
2018

CERTIFICATIONS

24-Hour AHERA Asbestos
Abatement Building Inspector
40-Hour OSHA HAZWOPER
National Radon Proficiency Program
Residential Measurement Provider

WORK HISTORY

Terracon Consultants, Inc. (Tustin,
CA). Environmental Group Manager
February 2018 to Present

Terracon Consultants, Inc. (Irvine,
CA). Senior Staff Scientist
2014 to February 2018

Terracon Consultants, Inc. (Irvine,
CA). Staff Scientist
August 2011 to 2014

Resumes

Regulatory Compliance, Buena Park and Tipton, California

Project Manager for two regulatory compliance projects in Buena Park and Tipton, California, which included refrigeration and multiple dairy facilities.

Military Base Phase I ESAs and Soil Management Plans – San Diego County, California

Project Manager of ESAs and SMPs of over 100 sites for proposed telecommunication small cell locations within naval bases located within the San Diego County. Findings of the ESAs were utilized in creation of the SMPs, which was implemented at the installation of telecommunications utilities on the various bases.

Automotive Body Shop Portfolio, California

Portfolio assistant manager of environmental consulting services including Phase I ESA. The purpose of the services were to assist a client with a large acquisition of properties.

Resumes

Islam (Sami) R. Noaman, EIT

Senior Associate / Senior Project Manager

PROFESSIONAL EXPERIENCE

Mr. Noaman is an Environmental Department Manager with track record in client management, management of phases of environmental site assessments (ESAs), industrial hygiene services, business environmental risk reviews, site characterizations, regulatory compliance services, and remedial investigation. He possesses excellent analytical, problem solving, advisory, and team management skills.

PROJECT EXPERIENCE

Stormwater Prevention and Pollution Control Plan (SWPPP):

Managed SWPPP for numerous industrial sites in Southern California. Scope of the work typically included client and agency coordination, implementation of guidelines required by the state of California Water Resources Board (SWRB), and preparation of documentations for submittals to the SWRB. In addition, I have managed several limited regulatory compliance projects (annual submittals and Level 1 ERA reporting) for industrial stormwater, to achieve compliance in accordance with the NPDES general permit requirements.

Limited Subsurface Investigations (LSIs):

Performed and managed hundreds of LSIs in California, New Jersey, and New York. Investigated environmental conditions in soils and groundwater as a result of releases from a variety of sources, including service stations, dry cleaners, and a wide range of industrial and manufacturing operations. Specialized in collection and interpretation of data to pursue closure through state and federal programs including Los Angeles County Site Mitigation Unit, the California Regional Water Quality Control Board, and the Department Of Toxic Substances Control Voluntary Cleanup Programs (VCP).

Hazardous Materials Surveys:

Mr. Noaman is the Industrial Hygiene Manager in the Orange County, California office. He managed numerous hazardous materials surveys in the state of California including, but not limited to, asbestos, lead in paint, mold, pcbs, and mercury-containing equipment.



EDUCATION

Bachelor of Science,
Chemistry/Environmental Chemistry,
2002, City University of New York,
City College of New York

Pursuing Masters in Environmental
Engineering (California State
University Fullerton-expected
graduation date Fall 2020)

CERTIFICATIONS

Certified Engineer In Training (CA)
Certification No. EIT 171371
40-Hour OSHA Hazardous Waste
Operations & Emergency Response
Training Course

WORK HISTORY

Terracon Consultants, Inc. (Irvine,
CA), Environmental
Group/Department Manager, June
2012 to Present

Smith Emery GeoServices (SEG),
(Los Angeles, CA), Project
Engineer, August 2008 to June 2012

KLK Environmental Group LLC.
(Kearny, NJ). Environmental
Scientist -August 2003 to June 2008

UniChem Inc. (Kearny, NJ). Staff
Environmental Chemist - August
2002 to June 2003

Resumes

Islam (Sami) R. Noaman, EIT (continued)

Major Department Store Commercial Retail Portfolio:

Environmental team lead for evaluating environmental site conditions and due diligence review, including overseeing Phase I Environmental Site Assessments and Phase II Environmental Site Investigations for over thirty retail facilities with automotive maintenance across California. Findings from subsurface investigations were used to support regulatory closure of select facilities to facilitate a real estate transaction across the United States.

Industrial Facility – Land-use Change/Private School, Los Angeles, CA:

Environmental consulting services including Phase I Environmental Site Assessments (ESA) due diligence support, subsurface investigation activities to evaluate environmental media including soil, soil gas and indoor / outdoor air. Services included a land-use change from an industrial facility to a private school. Prepared environmental investigation reports, regulatory interaction, corrective action design for indoor air mitigation, and work plan for management of environmental media.

Retail Shopping Center – Former Dry Cleaners Facility – DTSC, Fremont, CA:

Conducted extensive site investigation activities to evaluate the magnitude and extent of chlorinated solvents identified in the vicinity of a former dry cleaners facility, including an evaluation of groundwater, soil, soil-gas and indoor vapors as a result of a chlorinated solvent plume. Project responsibilities consisted of direct support and interaction with client, client legal team and DTSC representatives to manage the closure process, including the preparation of work plans and environmental investigation reports, risk-based human health evaluation, and response actions.

Underground Storage Tank Assessment and Monitoring – West Los Angeles, CA:

Assisted property owner with the regulatory closure of former underground storage tank (UST) site located in West Los Angeles, California. The project scope included historical research of past site use and site characterization, including soil, groundwater and soil gas assessments, followed by groundwater monitoring until closure was achieved.

Automated Fuel Dispensing Facilities – Camp Pendleton, California:

Project scope included environmental and geotechnical investigations at six fueling existing/proposed facilities within Camp Pendleton, California. The project consisted of construction of new buildings, canopies, pavements, retaining walls, slopes, and installation of underground storage tanks (USTs), and other site facilities. Served as the environmental group leader.

Emerson College, Hollywood, California:

Conducted comprehensive investigation and assisted the client through enrolling and interacting with the LAFD regarding USTs found during construction activities. Provided construction management oversight to manage impacted soils and assisted the client in waste disposition, permitting and regulatory compliance interaction. A total of 45,000 cubic yards of soil was removed from the site and disposed at an off-site facility, prior to the construction of a mid-rise school complex. Support services allowed for significant savings in construction, on an expedited timeline in concert with the construction schedule.

Los Angeles Unified School District (LAUSD Sites):

Managed soil characterization for export/import soils for over nine Los Angeles Unified School District (LAUSD) sites. Prepared Sample Strategy Plans (SSP) for stockpiled and in-place soils, oversaw the sampling, and prepared soil certification reports under the supervision of a professional geologist for submittal to the LAUSD Office of Environmental Health.

Resumes

Islam (Sami) R. Noaman, EIT (continued)

Newton Plastics, Newton, NJ:

Managed the removal of two 12,000-gallon (solvents & gasoline containing) USTs from a plastic products manufacturing facility as a part of transaction deal. Project tasks included, work plan preparation, regulatory officials interface, client contact/coordination, oversight of removal activities, and report preparation. No further action letter from NJDEP was obtained for the client. The property value was retained for the client with our consulting services.

Eagle Electric, Queens, NY:

Responsibilities were to manage the cleanup of former Coal storage rooms in basement of a landmark building in Queens, NY. The cleanup activities included, hauling of approximately 425 tons of Class N-1 Hazardous materials, managed and ensured safety of eight to twelve crew, handling of waste manifests, and coordination for transportation / disposal and client interface.

AROL Chemicals, Newark, NJ:

Managed Phase I and Phase II ESA of chemical manufacturing facility. Scope of Phase II ESA included, the removal of three 12,000-gallon USTs, excavation and disposal of impacted soils.

KeySpan Energy, NY:

Responsibilities include inspection and maintenance of client boilers and tanks systems. Objectives were to prevent scaling/rusting in the boiler systems resulting from the plant operations to maintain operations efficiency. Goals were achieved for the client by developing environmentally friendly chemical reagents (pH controlled) to mitigate the concerns at the plant, boilers maintenance issues were resolved and steady business was created for the company.

The HACH Company, OH:

Implementing unique techniques producing Ferrozine - Iron- reagent for determining trace levels of iron in chemical reagents and glycols. Ferrozine can also be used to analyze samples containing magnetite (black iron oxide) or ferrites.

KIWA of The Netherlands:

Research and development of new synthetic methods of alkali Ferrates including, Potassium, Sodium, and Barium ferrates, an environmentally friendly oxidative reagents used in wastewater treatment for municipal and industrial facilities.

Resumes

Fabio M. Minervini, PG

Environmental Department Manager

PROFESSIONAL EXPERIENCE

Mr. Minervini is a Geologist (P.G.) licensed to practice in the states of California and Oregon with over 20 years of experience in environmental services. He is familiar with all aspects of the environmental industry. During his career, he has managed hundreds of investigation and remediation projects involving soil, groundwater, and soil gas issues; vapor intrusion issues from migrating impacted soil gas; and dissolved plumes, at times commingled with plumes originating at other sources. Mr. Minervini has evaluated and interpreted assessment data, as well as designed groundwater monitoring programs. His experience includes proposing and evaluating the feasibility of various remedial technologies and subsequently managed the engineering design, installation, and operation and maintenance of a variety of remedial systems. In addition, he has provided litigation support related to hydrocarbon contamination at retail fuel stations.

Mr. Minervini has interacted with a variety of regulatory agencies in California in the form of maintaining projects in compliance with agency requirements, as well as proposed work in the voluntary assistance programs on behalf of his clients.

Mr. Minervini has also been responsible for the management of non-technical duties such as conducting job interviews and hiring decisions, as well as annual performance reviews and compensation adjustments, for a team of more than 10 employees.

PROJECT EXPERIENCE

Tesoro Refining and Marketing Company, LLC

Managed the technical and financial aspects of the assessment and remediation of fuel retail sites in Orange, Riverside, and San Bernardino Counties, California (yearly revenue approximately \$1.0 million).

Atlantic Richfield Company (ARCO)

Managed the technical and financial aspects of the assessment and remediation of fuel retail sites in Orange, Riverside, and San Bernardino Counties, California (yearly revenue approximately \$1.0 million).

Atlantic Richfield Company (ARCO)

Lead Scoper (and Lead Executer after September 2008) for the Orange County Portfolio (yearly revenue approximately \$2.5 million). Managed technical and financial aspects associated with the assessment and remediation of leaking underground storage tank cases in Orange County, California.



EDUCATION

Bachelor of Science, Geology,
University of California Los Angeles,
1991

REGISTRATIONS

Professional Geologist: California,
No. 7861

Registered Geologist: Oregon,
No. G2477

CERTIFICATIONS

40-Hour HAZWOPER

Petroleum Education Council,
Certification No. 1001022451

Radiation Safety and Use of Nuclear
Gauges, Certification No. 21966

AFFILIATIONS

Western States Petroleum
Association (WSPA)

National Ground Water Association

Other Affiliations

Resumes

Fabio M. Minervini, PG (continued)

ConocoPhillips

Managed site assessment and characterization, groundwater investigation and monitoring, and site remediation for service stations impacted by petroleum hydrocarbon releases in San Mateo County, California.

Atlantic Richfield Company (ARCO)

Managed the assessment of releases from underground storage tanks, the investigation and monitoring of dissolved hydrocarbon plumes, and the remediation of ARCO Stations in the California Desert/East Los Angeles Portfolio.

California Department of General Services

Managed assessment and monitoring of dissolved petroleum hydrocarbons from leaking underground storage tanks at various sites in Merced, Santa Barbara, Riverside, and San Diego Counties, California. Obtained case closure from the Riverside County Department of Environmental Health Services for the forest fire station in Temecula, California.

Kern County General Services Division

Managed ground water monitoring and remediation of the dissolved petroleum hydrocarbons plume originated from the leak of an underground tank storing gasoline at the fire station in Bear Valley Springs, California.

Orange County District Attorney

Managed the third party technical oversight project pertaining to the legal settlements between the Orange County District Attorney Office and Atlantic Richfield Company, and Shell Oil. The role of the third party consultant was to independently review the corrective action at ARCO and Shell gas stations in Orange County, California and provide recommendations, as warranted.

UST Fund Commingled Plume Site No. 00024

Managed under the California Underground Storage Tank Reimbursement Fund Account the site assessment, remediation, and monitoring of the petroleum hydrocarbon impacted soil and ground water at the commingled plume site consisting of ARCO Station 0087 and former Unocal Station 5865 in Hawthorne, California.

Dunn-Edwards Corporation

At a property in Escondido, California, formerly a Unocal service station, managed multiple phases of investigation and characterization of petroleum hydrocarbon impacted soil and ground water.

Dunn-Edwards Corporation

At a property leased in Long Beach, California, obtained a "no further action" letter from the City of Long Beach Department of Environmental Health Services for the self-initiated site assessment related to the operation and maintenance of a 10,000-gallon underground storage tank storing paint thinner.

Resumes

Fabio M. Minervini, PG (continued)

Boeing Realty Corporation

Conducted and reported site characterization activities related to the contamination by diesel fuel at the STEVS Unit on the Boeing plant in Huntington Beach, California.

Bradmore Realty Investment Company

Conducted Phase I Investigations for real estate transactions at sites in Los Angeles County, California.

ARCO Products Company

At various service stations in Los Angeles, Orange, and San Diego Counties, California, managed the site characterization, remediation, and groundwater monitoring programs. Managed the removal and replacement of underground storage tanks, and the complete demolition of service stations. Provided technical support in litigation related to petroleum hydrocarbon contamination at service stations in Orange County, California.

Various Responsible Parties

Reviewed files related to environmental issues at various agencies in Southern California.

San Diego Naval Station

Performed investigation and risk assessment study for petroleum hydrocarbon- and metals-impacted sites in the San Diego Harbor, California.

Marine Corps Air Base

Conducted pilot-scale ground water extraction test for remediation of the dissolved-phase trichloroethylene (TCE) and tetrachloroethylene (PCE) plumes at the base in Tustin, California.

Coto de Caza, Private Residential Community

Assisted in the fixation of lead project at the gun range in Coto de Caza, California.

Allied-Signal Chemical Plant

Conducted soil-gas investigation of halogenated volatile organics plume in vadose zone at the plant in El Segundo, California.

Shell/Parsons Reservoirs

Performed two phases (floor and berms) of mitigation by soil blending, remediation by thermal desorption, and closure with low permeability cap of crude oil reservoirs at the Tosco Refinery in Carson, California (former property of Shell Oil Company). Subcontracted by The Ralph M. Parsons Company for both environmental and geotechnical activities.

Reichhold Chemical Plant

Conducted soil-gas investigation of polychlorinated biphenyls (PCBs) in the vadose zone installing multiple completion wells with dual tube air percussion Stratex rig at the plant in Azusa, California.

Resumes

Fabio M. Minervini, PG (continued)

Caltrans

Assisted in the storm water facilities retrofit evaluation for the Santa Monica Bay watershed in Los Angeles County, California.

Grayson Power Plant

Conducted HydroPunch investigation of trichloroethylene (TCE) Plume in vadose zone and ground water at the plant in Glendale, California.

Shell Offshore, Inc

Performed downhole pressure and temperature data collection, and reservoir interpretation analysis on production platform at Eugene Island Field, Block 331, Gulf of Mexico.

Conoco Oil, Inc.

Assisted in the drill stem test of multiple zones at the West Delta Field, Block 96, Gulf of Mexico.

Exxon, U.S.A.

Assisted in the perforation of multiple productive zones at the South Pass Field, Block 89, Gulf of Mexico.

Oryx Energy Company

Assisted in the flow test of the Upper Zone on the semi-submersible rig Ocean Voyager at the Mississippi Canyon Field, Block 445, Gulf of Mexico.

Leighton & Associates

Performed soil observation, sampling, and testing during mass grading and utilities installation as part of the San Joaquin Hills Transportation Corridor (Wood Canyon) Project conducted by the Mission Viejo Company in the Laguna Hills.

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E1527-13 as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”

Description of Selected General Terms and Acronyms

Term/Acronym	Description
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC 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.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave'). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. De minimis conditions are not recognized environmental conditions."
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>