# CITY OF MENIFEE
# CEQA Environmental Checklist Form

1. **Project title:** Forterra Pipe Expanded Manufacturing Facility - Conditional Use Permit No. 2018-199

2. **Lead agency name and address:** City of Menifee, Community Development Department, 29844 Haun Road, Menifee, CA 92586.

3. **Contact person and phone number:** Ryan Fowler, Senior Planner: 951-723-3740

4. **Project location:** The project site is located at the northwest and northeast corners of the intersection of Matthews Road and Palomar Road. Refer to Figures 1 *Project Vicinity,* and Figure 2, *Project Location.*

   A. Total Project Area: 27.9 gross acres.

| | | | |
|---|---|---|---|
| Residential Acres: 0 | Lots: 0 | Units: 0 | Projected No. of Residents: 0 |
| Commercial Acres: 0 | Lots: 0 | Sq. Ft. of Bldg. Area: 0 | Est. No. of Employees: 0 |
| Industrial Acres: 3.4 (new storage area west of Palomar Rd.) & 24.5 (existing industrial area east of Palomar) | Lots: 1 | (New Building) Sq. Ft. of Bldg. Area: 16,500 (Building Addition) Sq. Ft. of Bldg. Area: 4,200 | Est. No. of Employees: Two shifts of 10 and 16 employees |
| Other: 0 | | | |

   B. Assessor's Parcel No: 331-190-046 and 220-022 through -025, -037, and -040.

   C. Map: Thomas Brothers Page 838 F-2, 2016 Edition

   D. Section 14, Township 5S & Range 3W of the San Bernardino Base and Meridian.

   E. Longitude: 117° 09'48.8760 W Latitude: 33° 22'31.79 N

5. **Project Applicant/Owners:** Forterra, 26380 Palomar Road, Menifee CA 92585

   **Representative:** Grant Becklund Civil Engineering, 951-288-0601 (Contact: Grant Becklund)

6. **General Plan Designation**: Business Park (BP)

7. **Existing Zoning:** Medium Manufacturing (M-M)

   **Proposed Zoning:** Medium Manufacturing (M-M)

8. **Description of Project: Revised Conditional Use Permit No. (CUP 2018-099)** proposes a revision to CUP 2016-263 which was previously approved by the City of Menifee on July 27, 2017.

   *Background*
   The easterly portion of the project site is currently occupied by the Forterra pipe manufacturing use. Plot Plan No. 10557 was approved by the County of Riverside in 1988 for the construction of a concrete manufacturing plant, which included the existing 1,680 square foot office trailer and the existing 53,008 square foot kiln plant building. Subsequently, Plot Plan No. 10557S2 was approved in

2003 adding the existing 4,806 square foot building for storage, restrooms, and break room. Then, in 2017, CUP 2016-263 was approved by the City of Menifee for a revision to the previous County-approved Plot Plan Nos. 10557 by constructing a new 16,323 square foot metal building addition in two phases. That building addition (proposed under CUP 2016-263) proposed to enclose new concrete pipe manufacturing equipment. Presently, only Phase 1, which included a portion of the overall metal building additional (12,323 square feet), has been constructed. Construction documents for Phase 2, which include the remaining portion of the addition (4,000 square footage), have not yet been submitted to the City.

*Current Proposal*

The currently proposed project, CUP 2018-199, includes the construction of an approximately 47'-foot-high new 16,500 square foot metal building on the portion of the project site east of Palomar Road for water quality boxes and internal equipment with a weather tight roof and shed roof to provide sun and water protection for on-site activities. Three traveling electric cranes will be installed to assist in the assembly and movement of materials and concrete.

A precast concrete mixer will be installed under the shed roof along with sand and aggregate material bins and a concrete silo for the storage of raw cement. This concrete batching equipment will replace the delivery of ready-mix concrete from local suppliers and, according to the Applicant, will provide a more efficient manufacturing process and better-quality control of the concrete used in the process. The proposed material storage bins and cement silo will be shielded from views from Matthews Road by dense perimeter landscape, a perimeter block wall and the existing intervening storage of materials.

A second 4,200 square foot, 23'-high metal building addition will be added to the existing 3,800 square feet metal storage building located east of Palomar Road, to provide weather proof storage of the materials and equipment installed in the water quality boxes.

Both new buildings and equipment will be pre-painted to match the existing buildings and trim. The products proposed to be manufactured under CUP 2018-099 are currently being manufactured on-site on an open slab on the east side of Palomar Road where the building additions would be located. The Applicant's stated purpose for the project is to cover the manufacturing area with a roof and install fixed cranes to move the materials within the building. This operation will not add additional employees or traffic.

The storage area east of Palomar Road is currently walled and fenced, with walls located along the Matthew Road frontages and fencing along the remainder of the perimeter. CUP 2018-199 also proposes an additional (new) concrete box and pipe storage area on the portion of the project site west of Palomar Road. The products would be manufactured in the existing Forterra facility on the east side of Palomar Road and then delivered to the storage area for temporary storage of the products until they are delivered to a job site.

The two access driveways (the one existing driveway on the east and the other new driveway on the west side of Palomar Road) will be directly aligned with each other. The new storage area will be fenced with a 6-foot-tall block wall and landscaping to shield the storage materials from view along Matthews and Palomar Road. In addition, a 6'-tall block wall would be constructed along a portion of the north and west property lines to shield views of the storage area from the adjoining properties and roadways. The remainder of the west and north property lines will be fenced with tubular steel fencing.

A double gate would be installed at the new driveway with a Fire Department knox box. The new storage area would include gravel installed over native ground to provide a stable driving and storage area.

*Site Preparation/Phasing*
The portion west of Palomar Road was originally graded in 1992 when the existing surrounding buildings were constructed, and the site is currently flat. For this reason, the portion of the project site west of Palomar Road will not require additional grading. The construction of the portion of the project site will be limited to minimally smoothing in certain areas for fire access lanes. The new building and building addition to be located on the east side of Palomar Road are within an area with existing development which has been previously disturbed and graded; no grading is anticipated for the addition of these buildings.

The project is anticipated to be constructed in two phases: (1) the first phase includes the portion of the project site east of Palomar Road; and (2) the second phase include the portion of the project west of Palomar Road. Construction is anticipated to last approximately 8 months and project operations are anticipated to begin in 2020.

*Access and Circulation*
Regional access is provided via Highway 74 off Interstate 215 (I-215) and local access is provided via Palomar Road. Primary access would be from Palomar Road via a thirty-foot driveway. The project provides internal circulation via a thirty-foot road developed mainly for fire access. A Class III bike lane is proposed on both the east and west sides of Palomar Road and a Class II bike lane is proposed on the north side of Matthews Road east of Palomar Road.

*Parking*
The project site currently includes 33 existing parking spaces (including 3 accessible spaces). In addition, two (2) existing Class I bicycle lockers are located adjacent to the existing office trailer.

*Other Site Improvements and Amenities*
The existing outdoor storage area is set back 50 feet from the existing wash at the northerly project boundary. Existing onsite and offsite landscaping within the easterly portion of the project site covers 32,910 and 7,180 square feet, respectively. On the westerly portion of the project site there is 14,861 square feet of landscaping.

*Infrastructure, Utilities, and Public Services*

The following public services are available to the Project:

- Fire Protection Services (City of Menifee through contract with the Riverside County Fire Department);
- Police Protection Services (City of Menifee through contract with the Riverside County Sheriff's Department);
- Public Schools (Romoland School District and Perris Union High School District)
- Library Services (Riverside County Library System); and
- City Administrative Services (City of Menifee).

The following utilities/infrastructure systems and services are available to the Project:

- Water/Sewer (Eastern Municipal Water District);
- Electricity (Southern California Edison); the project site has existing 33KV power lines.
- Natural Gas (Southern California Gas Company); and
- Telephone/Communications (AT&T, Frontier Communications).

9. **Surrounding Land Uses and Environmental Setting:**

The westerly portion of the project site is currently vacant, has been previously grade and is located at an elevation of approximately 1,458 feet above sea level (MSL). The easterly portion of the project site include an existing pipe manufacturing and storage facility. The topography of the property and surrounding area is generally flat and slopes gently to the southwest.

The adjacent General Plan Area Plan(s), Land Use Designation(s), and Zoning(s), if any:

**Surrounding Land Uses**

| Direction | General Plan Designation | Zoning District | Existing Land Use |
|---|---|---|---|
| Project Site | Business Park (BP) | Medium Manufacturing (M-M) | Vacant and Previously Graded Land |
| North | Business Park (BP) | Medium Manufacturing (M-M) | Industrial (Whited Cemetery Services, Amerimax Building Products Inc., Miller Jones funeral services) |
| South | Business Park (BP), Railroad, and Menifee North Specific Plan (SP) | Rural Residential (R-R) and Menifee North Specific Plan | Industrial, railroad line, and vacant land |
| East | Public/Quasi Public Facilities (PF) | Rural Residential (R-R) | Industrial (BP John Recycling), Utility (Valley Substation) |
| West | Business Park (BP) | Medium Manufacturing (M-M) | Industrial (Block Graphics Sun City) |

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

Based on the current Project design concept, other permits necessary to realize the proposal will likely include, but are not limited to, the following.

- Approval Revised Conditional Use Permit
- Permitting (e.g., Permit to Construct and Operate) may be required by/through South Coast Air Quality Management District (SCAQMD) for certain project operations and its associated equipment (e.g., concrete batch plant)
- Building permit approval
- Encroachment permit
- Various other approvals (including landscaping [working drawings], etc.)

Figure 1: Project Vicinity

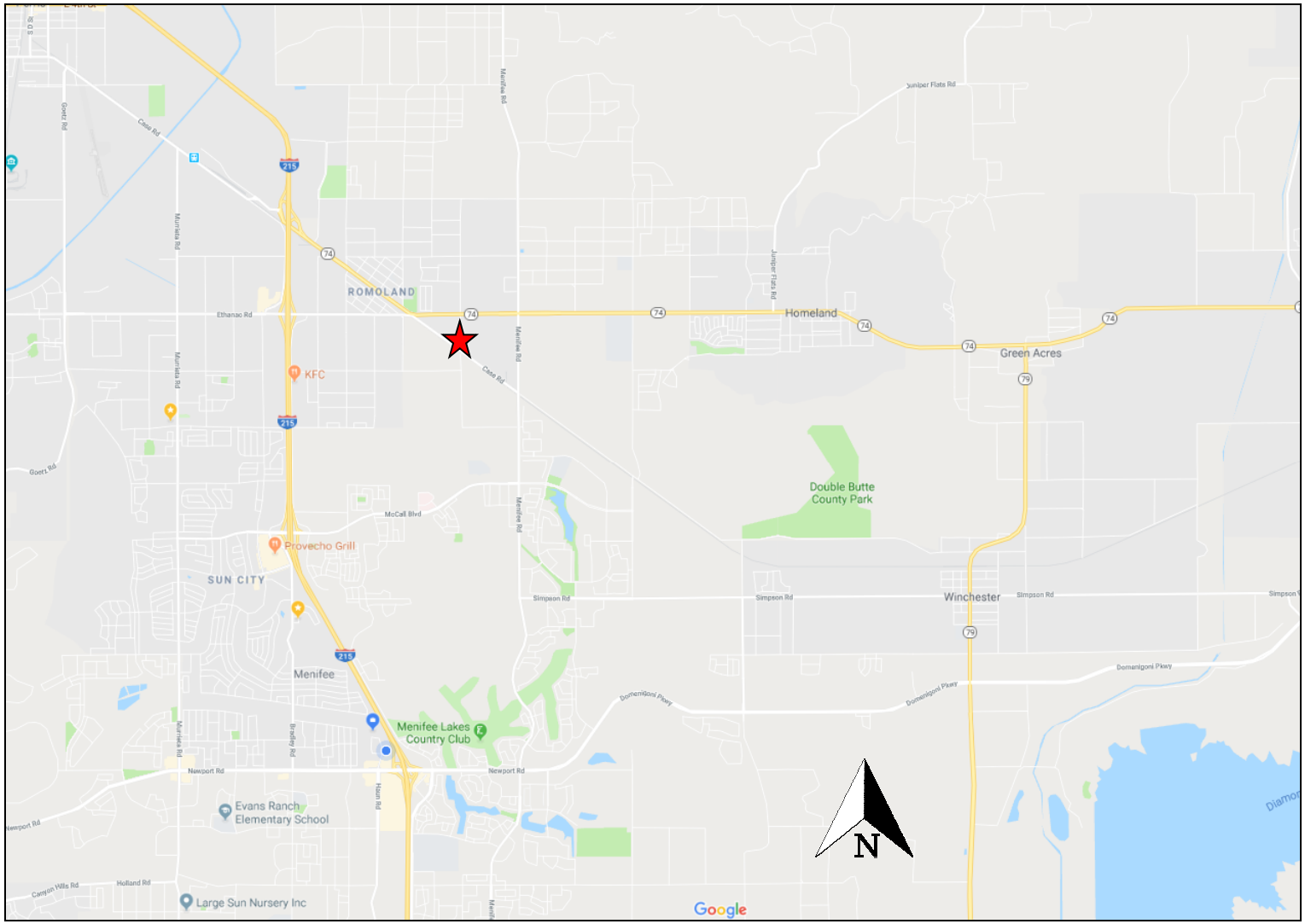
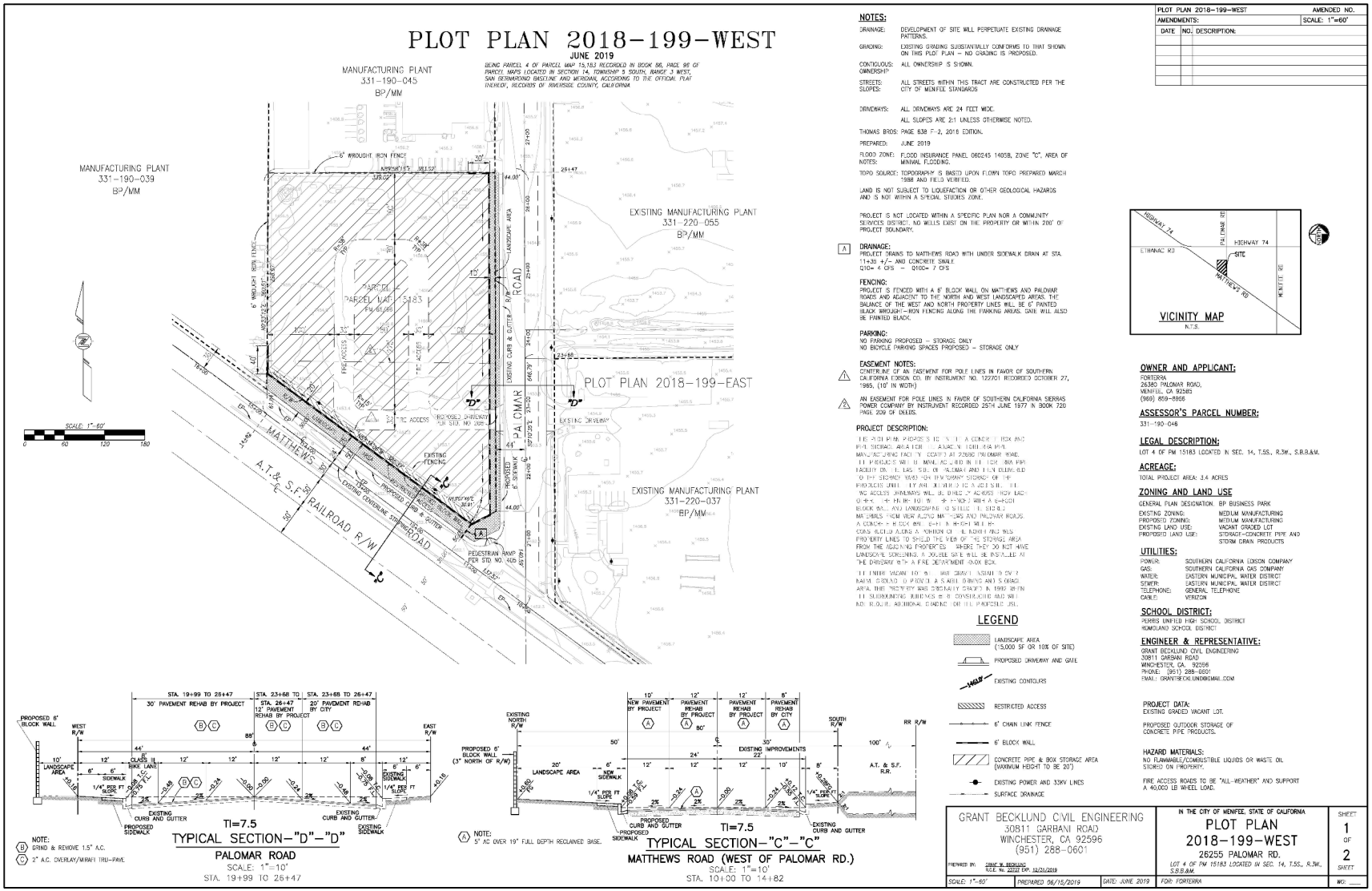


Figure 2: Project Location

Figure 3A: Site Plan Concept (East Portion)

Figure 3B: Site Plan Concept (West Portion)



ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below (x) would be potentially affected by this project, involving at least one impact that is a "**Potentially Significant Impact**" as indicated by the checklist on the following pages.

- ☐ Aesthetics
- ☐ Agriculture Resources
- ☐ Air Quality
- ☐ Biological Resources
- ☐ Cultural Resources
- ☐ Geology/Soils
- ☐ Greenhouse Gas Emissions
- ☐ Hazards & Hazardous Materials
- ☐ Hydrology/Water Quality
- ☐ Land Use/Planning
- ☐ Mineral Resources
- ☐ Noise
- ☐ Population and Housing
- ☐ Public Services
- ☐ Recreation
- ☐ Transportation/Traffic
- ☐ Tribal Cultural Resources
- ☐ Utilities and Service Systems
- ☐ Mandatory Findings of Significance

The environmental factors checked below (x) would be potentially affected by this project, involving at least one impact that is a "**Less than Significant with Mitigation Incorporated**" as indicated by the checklist on the following pages.

- ☐ Aesthetics
- ☐ Agriculture Resources
- ☒ Air Quality
- ☒ Biological Resources
- ☐ Cultural Resources
- ☐ Energy
- ☐ Geology/Soils
- ☐ Greenhouse Gas Emissions
- ☐ Hazards & Hazardous Materials
- ☐ Hydrology/Water Quality
- ☐ Land Use/Planning
- ☐ Mineral Resources
- ☐ Noise
- ☐ Population and Housing
- ☐ Public Services
- ☐ Recreation
- ☐ Transportation
- ☐ Tribal Cultural Resources
- ☐ Utilities and Service Systems
- ☐ Wildfire
- ☒ Mandatory Findings of Significance

The environmental factors checked below (x) would be potentially affected by this project, involving at least one impact that is a "**Less than Significant**" as indicated by the checklist on the following pages.

- ☒ Aesthetics
- ☐ Agriculture Resources
- ☐ Air Quality
- ☐ Biological Resources
- ☒ Cultural Resources
- ☒ Energy
- ☒ Geology/Soils
- ☒ Greenhouse Gas Emissions
- ☒ Hazards & Hazardous Materials
- ☒ Hydrology/Water Quality
- ☒ Land Use/Planning
- ☐ Mineral Resources
- ☒ Noise
- ☐ Population and Housing
- ☒ Public Services
- ☐ Recreation
- ☒ Transportation
- ☒ Tribal Cultural Resources
- ☒ Utilities and Service Systems
- ☒ Wildfire
- ☐ Mandatory Findings of Significance

The environmental factors checked below (x) would have "**No Impact**" by this project as indicated by the checklist on the following pages.

- ☐ Aesthetics
- ☒ Agriculture Resources
- ☐ Air Quality
- ☐ Biological Resources
- ☐ Cultural Resources
- ☐ Energy
- ☐ Geology/Soils
- ☐ Greenhouse Gas Emissions
- ☐ Hazards & Hazardous Materials
- ☐ Hydrology/Water Quality
- ☐ Land Use/Planning
- ☒ Mineral Resources
- ☐ Noise
- ☒ Population and Housing
- ☐ Public Services
- ☒ Recreation
- ☐ Transportation
- ☐ Tribal Cultural Resources
- ☐ Utilities and Service Systems
- ☐ Wildfire
- ☐ Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

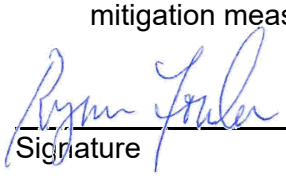
☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

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

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



Signature — 8-29-19 Date

Ryan Fowler, Senior Planner
Printed Name

For Cheryl Kitzerow,
Community Development Director

EVALUATION OF ENVIRONMENTAL IMPACTS:

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. State CEQA Guidelines §15063(c)(3)(D). In this case, a brief discussion should identify the following:
   a) Earlier Analysis Used. Identify and state where they are available for review.
   b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
   c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

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

Issues:

| **I. AESTHETICS – Except as provided in Public Resources Code Section 21099,** would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Have a substantial adverse effect on a scenic vista? | ❒ | ❒ | ☒ | ❒ |
| b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | ❒ | ❒ | ☒ | ❒ |
| c) In non urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | ❒ | ❒ | ☒ | ❒ |
| d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan (MGP) Exhibit C-8, “Scenic Highways” and Riverside County General Plan Figure 5, “Mt. Palomar Nighttime Lighting Policy”; MGP Draft EIR; State of California, Department of Transportation, *California State Scenic Highway Mapping System;* Ordinance No. 655 (Regulating Light Pollution); City of Menifee Ordinance No. 2009-24 (Dark Sky).

Applicable General Plan Policies:

Goal C-6: Scenic highway corridors that are preserved and protected from change which would diminish the aesthetic value of lands adjacent to the designated routes.

Policy C-6.1: Design developments within designated scenic highway corridors to balance the objectives of maintaining scenic resources with accommodating compatible land uses.

Policy C-6.4: Incorporate riding, hiking, and bicycle trails and other compatible public recreational facilities within scenic corridors.

Policy C-6.5: Ensure that the design and appearance of new landscaping, structures, equipment, signs, or grading within eligible county scenic highway corridors are compatible with the surrounding scenic setting or environment.

Goal CD-3: Projects, developments, and public spaces that visually enhance the character of the community and are appropriately buffered from dissimilar land uses so that differences in type and intensity do not conflict.

Policy CD-3.1: Preserve positive characteristics and unique features of a site during the design and development of a new project; the relationship to scale and character of adjacent uses should be considered.

Policy CD-3.2: Maintain and incorporate the City's natural amenities, including its hillsides, indigenous vegetation, and rock outcroppings, within proposed projects.

Policy CD-3.3: Minimize visual impacts of public and private facilities and support structures through sensitive site design and construction. This includes, but is not limited to: appropriate placement of facilities; undergrounding, where possible; and aesthetic design (e.g., cell tower stealthing).

Policy CD-3.10: Employ design strategies and building materials that evoke a sense of quality and permanence.

Policy CD-3.12: Utilize differing but complementary forms of architectural styles and designs that incorporate representative characteristics of a given area.

Policy CD-3.14: Provide variations in color, texture, materials, articulation, and architectural treatments. Avoid long expanses of blank, monotonous walls or fences.

Policy CD-3.15: Require property owners to maintain structures and landscaping to high standards of design, health, and safety.

Policy CD-3.17: Encourage the use of creative landscape design to create visual interest and reduce conflicts between different land uses.

Policy CD-3.19: Design walls and fences that are well integrated in style with adjacent structures and terrain and utilize landscaping and vegetation materials to soften their appearance.

Policy CD-3.20: Avoid the blocking of public views by solid walls.

Policy CD-3.21: Use open space, greenways, recreational lands, and water courses as community separators.

Goal CD-4: Recognize, preserve, and enhance the aesthetic value of the City's enhanced landscape corridors and scenic corridors.

Policy CD-4.1: Create unifying streetscape elements for enhanced landscape streets, including coordinated streetlights, landscaping, public signage, street furniture, and hardscaping.

Policy CD-4.2: Design new and, when necessary, retrofit existing streets to improve walkability, bicycling, and transit integration; strengthen connectivity; and enhance community identity through improvements to the public right-of-way such as sidewalks, street trees, parkways, curbs, street lighting, and street furniture.

Policy CD-4.7: Design new landscaping, structures, equipment, signs, or grading within the scenic corridors for compatibility with the surrounding scenic setting or environment.

Policy CD-4.8: Preserve and enhance view corridors by undergrounding and/or screening new or relocated electric or communication distribution lines, which would be visible from the City's scenic highway corridors.

Policy CD-4.9: Require specialized design review for development along scenic corridors, including but not limited to, building height restrictions, setback requirements, and site-orientation guidelines.

Analysis of Project Effect and Determination of Significance:

Impact I.a) **Less Than Significant Impact.** Under CEQA, a scenic vista is defined as a viewpoint that provides expansive views of a highly-valued landscape for the public's benefit. Scenic vistas can be impacted by development in two ways. First, a structure may be constructed that blocks the view of a vista. Second, the vista itself may be altered (i.e., development on a scenic hillside).

Menifee's natural mountainous setting is critical to its overall visual character and provides scenic vistas for the community. Topography and a lack of dense vegetation or urban development offer scenic views

throughout the City, including to and from hillside areas. Scenic features include gently sloping alluvial fans, rugged mountains and steep slopes, mountain peaks and ridges, rounded hills with boulder outcrops, farmland and open space. Scenic vistas provide views of these features from public spaces. Many scenic resources are outside the City limits and beyond the planning area boundary. Scenic views from Menifee include: the San Jacinto Mountains to the northeast and east, the San Bernardino Mountains to the north, the San Gabriel Mountains to the northwest, and the Santa Ana Mountains to the west and southwest. The Canyon Lake Reservoir is adjacent to the City's western boundary. The westerly portion of the project site is a vacant lot bounded by developed industrial parcels to the north and east, Matthews Road and vacant property to the south, and industrial property to the west. The easterly portion of the project site is currently developed and utilized as a pipe manufacturing facility.

The project site and its vicinity is flat and not located within a scenic resource, nor would it comprise a portion of a scenic vista. While the project would construct new approximately 48-foot-high storage structure and an addition to an existing building located east of Palomar Road, the structures would be similar to the uses directly north, east, and west of the project site and currently existing on the project site. As such, the project would not introduce a new visual obstacle to an existing scenic vista. Therefore, the proposed project would have a less than significant impact on scenic vistas.

Impact I.b): **Less Than Significant Impact.** While the project is not adjacent to an officially designated state scenic highway, it is located approximately 0.25 miles south of an eligible County scenic highway (CA-74) and approximately 0.5 miles west of eligible State scenic highway Menifee Road as identified on the California Scenic Highway Mapping System and the General Plan Circulation Element, Exhibit C-6. The project site is within a suburbanized area comprised of industrial uses and vacant land. The project site does not contain significant trees, rock outcroppings, or historical buildings. Therefore, the project would not substantially damage scenic resources within a state scenic highway and no mitigation would be required.

Impact I.c): **Less Than Significant Impact.** The project site is located in a semi-urbanized area where surrounding parcels are developed with similar uses, with vacant parcels in the vicinity. The proposed project is anticipated to develop a vacant lot consistent to the City's underlain zoning designation. While the project site's existing visual quality would change by developing a storage area on the 3.4-acre site west of Palomar Road and a new building and an addition to an existing building east of Palomar Road, this would not degrade the existing visual character, site quality, or surroundings. The site's visual character would be altered; however, the project would not become visually incompatible or visually unexpected when viewed in the context of its surroundings. Moreover, the project would be subject to compliance with City design and building height requirements and limitations. Therefore, the proposed project would have a less than significant impact on the site's visual character and its surroundings and no mitigation is required.

Impact I.d): **Less Than Significant Impact.** Excessive or inappropriately directed lighting can adversely impact nighttime views by reducing the ability to see the night sky and stars. Glare can be caused from unshielded or misdirected lighting sources. Reflective surfaces (i.e., polished metal) can also cause glare. Impacts associated with glare range from simple nuisance to potentially dangerous situations (i.e., if glare is directed into the eyes of motorists).

Existing outdoor lighting at and near the project site is associated with businesses and street lighting typical of suburban areas. The proposed project would generate lighting from two primary sources: lighting from building interiors that would pass through windows, and lighting from exterior sources (e.g., street lighting, parking lot lighting, building illumination, security lighting, and landscape lighting). Lighting associated with the project would not be directed towards adjacent properties.

MMC Chapter 6.01 (Dark Sky; Light Pollution) indicates that low-pressure sodium lamps are the preferred illuminating source and that all non-exempt outdoor light fixtures shall be shielded. A maximum of 8,100 total lumens per acre or per parcel if less than one acre would be allowed. When lighting is "allowed", it must be fully shielded if feasible and partially shielded in all other cases, and must be focused to minimize spill light

into the night sky and onto adjacent properties (MMC §6.01.040). The project would be conditioned that, prior to the issuance of building permits, all new construction which introduces light sources would be required to have shielding or other light pollution limiting characteristics such as hood or lumen restrictions.

The MGP Community Design Element includes goals that encourage attractive landscaping, lighting, and signage that conveys the community's (Goal CD-6) positive image and that limit light leakage and spillage that may interfere with the Palomar Observatory operations (Goal CD-6.5). Lighting proposed by the project would be subject to compliance with MMC §6.01 and MGP goals and policies. Accordingly, the project would have a less than significant impact related to interference with Mt. Palomar Observatory nighttime use. Further, the City would also review new lighting for conformance with the 2016 California Green Building Standards Code (CALGreen) (CCR Title 24 Part 11) such that only the minimum amount of lighting is used, and no light spillage occurs.

Buildings with large facades constructed of reflective surfaces (e.g., brightly colored building façades, metal surfaces, and reflective glass) could increase existing levels of daytime glare. The project's proposed design does not include such surfaces or components. Therefore, the project would result in a less than significant impact concerning a new source of glare and no mitigation is required.

Mitigation Measures: No mitigation is required.

| **II. AGRICULTURE AND FORESTRY RESOURCES:** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the Project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | ❒ | ❒ | ❒ | ☒ |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? | ❒ | ❒ | ❒ | ☒ |
| c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code §12220(g)), timberland (as defined in Public Resources Code section 4526), or timberland zoned Timberland Production (as defined in Government Code §51104(g))? | ❒ | ❒ | ❒ | ☒ |
| d) Result in the loss of forest land or conversion of forest | ❒ | ❒ | ❒ | ☒ |

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

Sources: State of California, Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program. *Riverside County Important Farmland 2016, Sheet 1 of 3*, map published July 2017; and *Phase I Environmental Site Assessment of Vacant Lot 26255 Palomar Road, Menifee, CA*, dated October 4, 2018, and located as Appendix A of this document.

Applicable General Plan Policies:

Goal OSC-6: High-value agricultural lands available for long-term agricultural production in limited areas of the City.

Policy OSC-6.1: Protect both existing farms and sensitive uses around them as agricultural acres transition to more developed land uses.

Analysis of Project Effect and Determination of Significance:

Impact II.a): **No Impact**. The project site does not contain any Prime Farmland or Unique Farmland, as mapped by the California Department of Conservation California Important Farmland Finder, the project site is designated as Urban and Built Up Land, and the project site is currently zoned as Manufacturing Medium (M-M) according to the City's Zoning Map. Additionally, the project site has been graded previously and has not been used for agricultural purposes. Because the project would not Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland) to non-agricultural use, a less than significant impact would occur, and no mitigation is required.

Impacts II.b-c): **No Impact**. The project site is zoned Manufacturing Medium (M-M) and is not under a Williamson Act Contract. The project site is not zoned for agricultural use or forestland; therefore, the project would not conflict with existing zoning for agricultural use or forestland, or a Williamson Act contract.

Impact II.d): **No Impact**. The project site and surrounding properties are not currently being managed or used for forest land; therefore, the project would not result in the loss of forest land or conversion of forest land to non-forest use.

Impact II.e): **No Impact**. Surrounding land uses include industrial uses to the east, west, north, and vacant properties, industrial uses and a railroad line to the south. The surrounding land use designations are Medium Business Park (BP) to the north, and west, Public/Quasi Public Facilities (PF) to the east, and Menifee North Specific Plan (SP) to the south. Forest land are not present in the area surrounding the project site.

Based upon the project-specific Phase I Environmental Site Assessment, the project site was historically used for agricultural uses. However, according to the General Plan EIR, historical aerial images, and current site conditions, the project site is not currently used for agricultural uses. The project would not divide any agricultural parcels or impede access to any agricultural parcels and would therefore not cause indirect conversion of farmland to non-agricultural use.

Mitigation Measures: No mitigation is required.

| **III. AIR QUALITY --** Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|

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

Sources: South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993; Menifee General Plan; MGP Draft EIR; Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation, 2018. See Appendix B, *Air Quality and Greenhouse Gas Assessment*.

Federal, State, and Regional Standards:
Appendix A (State and Federal Criteria Pollutant Standards) presents the federal and state standards. Appendix A (SCAQMD Air Quality Significance Thresholds) shows the ambient air quality standards for NO2, CO, PM10, and PM2.5.

Applicable General Plan Policies:

Goal OSC-9: Reduced impacts to air quality at the local level by minimizing pollution and particulate matter.

Policy OSC-9.1: Meet state and federal clean air standards by minimizing particulate matter emissions from construction activities.

Policy OSC-9.2: Buffer sensitive land uses, such as residences, schools, care facilities, and recreation areas from major air pollutant emission sources, including freeways, manufacturing, hazardous materials storage, wastewater treatment, and similar uses.

Policy OSC-9.3: Comply with regional, state, and federal standards and programs for control of all airborne pollutants and noxious odors, regardless of source.

Policy OSC-9.5: Comply with the mandatory requirements of Title 24 Part 11 of the California Building Standards Code (CALGreen) and Title 24 Part 6 Building and Energy Efficiency Standards.

Analysis of Project Effect and Determination of Significance:
Impact III.a): **Less than Significant Impact.** A significant impact would occur if the proposed project would conflict with or obstruct South Coast Air Basin 2016 Air Quality Management Plan (AQMP) implementation. Conflicts and obstructions that hinder AQMP implementation can delay efforts to meet attainment deadlines for criteria pollutants and maintain existing compliance with applicable air quality standards. Pursuant to the methodology in 1993 SCAQMD CEQA Air Quality Handbook Chapter 12, AQMP consistency is affirmed when a project (1) does not increase the frequency or severity of an air quality standards violation or cause a new violation and (2) is consistent with the AQMP's growth assumptions. Consistency review is presented below.

1. The project would result in short-term construction and long-term operational pollutant emissions that would be less than the SCAQMD's CEQA significance emissions thresholds, as demonstrated by the project Air Quality Assessment presented in Response III.b-e) below and Appendix B. The project's

short-term construction and long-term operational impacts would be less than significant. Therefore, the project would not increase the frequency or severity of any air quality standards violation or cause a new air quality standard violation and is found to be consistent with the AQMP for the first criterion.

2. The CEQA Air Quality Handbook indicates that consistency with AQMP growth assumptions must be analyzed for new or amended General Plan Elements, Specific Plans, and significant projects. Consistency with AQMP growth assumptions is determined by analyzing the proposed project with AQMP growth assumptions. The emphasis of this criterion is to ensure that the project's analyses are based on the same forecasts as the AQMP. The MGP Land Use Map depicts the land use assumptions represented in the AQMP. The site's existing land use designation is Business Park and the zoning classification is Manufacturing Medium (M-M). As concluded in III.b-e) below, the project would be consistent with the site's existing land use designations, and thus, the assumptions represented in the AQMP. Significant projects include airports, electrical generating facilities, petroleum and gas refineries, designation of oil drilling districts, water ports, solid waste disposal sites, and offshore drilling facilities. The proposed project is not considered a significant project. Therefore, the project would not exceed the AQMP assumptions for the project site and is found to be consistent with the AQMP for the second criterion.

Impacts III.b-d): **Less Than Significant Impact with Mitigation.** A project may have a significant impact if project-related emissions exceed federal, state, or regional standards or thresholds, or if project-related emissions substantially contribute to existing or projected air quality violations. The proposed project is located within the South Coast Air Basin (Basin or SCAB), where efforts to attain state and federal air quality standards are governed by the South Coast Air Quality Management District (SCAQMD). Both the State of California (state) and the federal government have established health-based ambient air quality standards (AAQS) for seven air pollutants (known as 'criteria pollutants'): volatile organic compound (VOC), carbon monoxide (CO), nitrogen oxide ($NO_x$), sulfur oxide ($SO_x$), inhalable particulate matter with a diameter of 10 microns or less ($PM_{10}$), and fine particulate matter with a diameter of 2.5 microns or less ($PM_{2.5}$). The state has also established AAQS for additional pollutants. The AAQS are designed to protect the health and welfare of the populace within a reasonable margin of safety. Where the state and federal standards differ, California AAQS are more stringent than national AAQS.

**SHORT-TERM CONSTRUCTION**

Construction activities associated with the project will result in emissions of CO, VOCs, NOx, SOx, PM10, and PM2.5. Construction related emissions are expected from demolition and building construction activities. The duration of construction activity was based on information provided by the project applicant and are summarized on **Table 1, Construction Schedule**. The associated construction equipment was based on CalEEMod defaults.

The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per California Environmental Quality Act (CEQA) guidelines. Site-specific construction fleet may vary due to specific project needs at the time of construction. It is anticipated that a maximum of 20,700 square feet of pavement will be scraped (demolished) in order to allow for the construction of the new metal building. Additionally, no grading will be required, and no painting of the metal structures is anticipated. Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the project site) were estimated based on CalEEMod defaults. **Table 2, Construction Equipment**, summarizes the anticipated construction equipment list.

**Table 1: Construction Schedule**

| Phase Name | Start Date | End Date | Days |
|---|---|---|---|
| Demolition | 1/1/2019 | 1/14/2019 | 10 |
| Building Construction | 1/15/2019 | 3/25/2019 | 50 |
| Source: Urban Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation. 2018. | | | |

**Table 2: Construction Equipment**

| Activity | Equipment | Number | Hours Per Day |
|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8 |
| | Rubber Tired Dozers | 1 | 1 |
| | Tractors/Loaders/Backhoes | 2 | 6 |
| Building Construction | Cranes | 1 | 4 |
| | Forklifts | 2 | 6 |
| | Tractors/Loaders/Backhoes | 2 | 8 |
| Source: Urban Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation. 2018. | | | |

Air pollution levels are measured at monitoring stations located throughout the air basin. Areas that are in nonattainment concerning federal or state AAQS are required to prepare plans and implement measures to bring the region into attainment. **Table 3, Proposed Project Construction Emissions Summary** summarizes the project area's attainment status for the criteria pollutants. The project's short-term construction and long-term operational emissions and their context for subsequently impacting the environment are discussed below.

**Table3: Proposed Project Construction Emissions Summary**

| Year | Pollutant Emissions (pounds/day) | | | | | |
|---|---|---|---|---|---|---|
| | VOC | NOx | CO | SOx | PM10 | PM2.5 |
| Maximum Daily Emissions | 1.05 | 10.55 | 8.32 | 0.02 | 2.29 | 0.89 |
| SCAQMD Thresholds | 75 | 100 | 550 | 150 | 150 | 55 |
| Exceeds Thresholds? | No | No | No | No | No | No |
| Source: Urban Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation. 2018. | | | | | | |

*Construction-Related Toxic Air Contaminant Impacts*

The greatest potential for toxic air contaminant emissions would be related to diesel particulate emissions associated with heavy equipment operations during project construction. According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of "Individual Cancer Risk." Individual Cancer Risk is the likelihood that a person exposed to concentrations of toxic air contaminants over a 30-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Given the relatively limited number of heavy-duty construction equipment and relatively short construction schedule, the proposed project would not result in a long-term (i.e., 30 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk. Further, construction-based particulate matter (PM) emissions (including diesel exhaust emissions) would not exceed any local or regional thresholds. Therefore, project construction activities would not result in significant short-term toxic air contaminant impacts.

*Construction-Related Odor Impacts*
Potential sources that may emit odors during construction activities include the application of materials such as asphalt pavement. The objectionable odors that may be produced during the construction process are short-term and the odor emissions would cease upon the drying or hardening of the odor-producing materials. Due to the relatively short-term nature of project construction activities and limited amounts of odor-producing materials being utilized, the project would result in a less than significant impact concerning construction-related odors. Additionally, project construction activities would emit diesel exhaust and VOCs, which are objectionable to some; however, emissions would disperse rapidly from the project site and therefore would not reach an objectionable level at the nearest sensitive receptors. A less than significant impact would occur in this regard.

**OPERATIONAL EMISSIONS**
The proposed Project would not result in any additional employee or truck trips. The only additional emissions generated by the proposed Project, in addition to the emissions totals summarized in the previous Forterra Pipe Manufacturing Focused Air Quality and Greenhouse Gas Evaluation (Urban Crossroads April 2017), would be additional PM10 and PM2.5 emissions associated with the concrete batching.

Additional PM10 and PM2.5 emissions would result from the following activities:

- Aggregate delivery to ground storage – 18.1 cubic yards (cy) day
- Sand Delivery to ground storage – 12.5 cy day
- Aggregate transfer to conveyor -18.1 cy day
- Sand transfer to conveyor -12.5 cy day
- Cement delivery to Silo – 7.5 cy day

The throughput levels above were determined to be maximum throughput levels based on discussion with the applicant. The throughput is ultimately limited by the materials brought into the site that are used for limited production of concrete structures. The curing process of the cement within the forms prohibits additional output until the forms are cured, thus limiting the overall concrete production process. While the onsite concrete production would be limited by the production process and the limited work area within the project site, the applicant has not proposed a physical operating limit on the amount of concrete (and associated raw material use) that could be produced on the site. As such, Mitigation Measure AQ-1 is required to limit operations such that production does not exceed 562 cubic yards of concrete per month. This figure represents a 50-percent increase in production over the level of concrete needed for existing production and represents the anticipated maximum future level of concrete needed.

It should be noted raw materials are delivered by truck and stored in bins and silos until needed. The cement silo is a closed design tank partially within the proposed building with a built-in dust capture/filtration system with no emissions escaping the silo. The concrete would therefore be batched in a closed loop system that is self-contained and sealed. The mixed concrete is prepared in batches which are loaded into an aerial bucket for delivery by a crane system to the forms used for casting the boxes. The operational time of the mixing equipment to produce 562 cubic yards of concrete per month is 12 hours. Because of the closed loop system, the only emissions anticipated during the process would be during the dry delivery of materials, and the loading of the materials into the bins. The concrete batch plant operation will require a “Permit to Construct and Operate” from AQMD. The need for the permit is based on the capacity of the batch plant. As such, although the applicant has stated they will not utilize the full capacity of the batch plant, the proposed capacity triggers the need for a permit. AQMD will conduct their own analysis as part of the permitting process and will limit the throughput of the batch plant operation. Once the permit is obtained, the Project Applicant is required to submit an annual emission report (AER) that identifies what the Project’s annual emissions are, based on the project’s actual throughput. Mitigation Measure AQ-1 requires the project’s throughput to be limited to ensure emissions are below thresholds, but enforces this via the obtaining and annual screening associated with the “Permit to Construct and Operate” process. Thus, although it is anticipated that the project will create

50-percent increase in production over existing levels, emissions would not exceed established thresholds with the implementation of Mitigation Measure AQ-1.

PM10 emissions have been calculated based on the United States Environmental Protection Agency (see Table 11.12-5 Plant Wide Emission Factors Per Yard of Truck Mix Concrete). Further Environmental Protection Agency's (USEPA's) Compilation of Emission Factors (AP-42) Section 11.12 *Concrete Batching*, there are no emissions associated with "truck mix loading" or "central mix loading", since the material is picked up by a crane and dropped into a bucket for production. Lastly, there is no baghouse proposed or needed for the anticipated operations of the project.

**Table 4: Emissions from Concrete Batching**

| Year | PM10 (lb/CY) | CY/day | Total PM10 lb/day |
|---|---|---|---|
| Aggregate delivery to ground storage | 0.0031 | 26 | 0.081 |
| Sand delivery to ground storage | 0.0007 | 18 | 0.013 |
| Aggregate transfer to conveyor | 0.0031 | 26 | 0.081 |
| Sand transfer to conveyor | 0.0007 | 18 | 0.013 |
| Cement delivery to Silo | 0.0001 | 11 | 0.0011 |
| | | **Total PM10** | **0.19** |

PM2.5 emissions have been calculated based on the CEIDARS PM2.5 fraction of PM10 published by the SCAQMD in their report *Final – Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds* (October 2006). As such, PM2.5 emissions would equal 67.4% of PM10 emissions calculated above, resulting in 0.13 pounds per day of PM2.5 emissions associated with the concrete batching.

Table 5 includes a summary of total emissions in addition to emissions associated with the proposed concrete batching operation. As shown, the proposed Project would result in emissions of VOC, NOx, CO, SOx, PM10, and PM2.5 that would not exceed the applicable SCAQMD thresholds. As such, no impacts would occur, and no mitigation is required.

**Table 5: Operational Emissions Summary**

| Operational Activities | Emissions (pounds/day) | | | | | |
|---|---|---|---|---|---|---|
| | VOC | NOx | CO | SOx | PM10 | PM2.5 |
| April 2017 Air Quality Evaluation | 4.02 | 19.20 | 21.79 | 0.05 | 3.76 | 1.72 |
| Concrete Batching | -- | -- | -- | -- | 0.19 | 1.72 |
| **Total Maximum Daily Emissions** | **4.09** | **19.30** | **21.79** | **0.05** | **3.95** | **1.85** |
| SCAQMD Regional Threshold | 55 | 55 | 550 | 150 | 150 | 55 |
| **Threshold Exceeded?** | **NO** | **NO** | **NO** | **NO** | **NO** | **NO** |

Source: Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation. 2018.

**LOCALIZED IMPACTS**

The SCAQMD established Localized Significance Thresholds (LSTs) in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most-stringent applicable federal or state ambient air quality

standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

For this Project, there are no sensitive land uses adjacent to the Project. In fact, the nearest residential communities are located more than ¼ mile (1,320 feet) from the Project site. As such, no impacts to sensitive receptors would occur from short-term project construction or on-going project operations.

**AIR QUALITY MANAGEMENT PLANNING**

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743-square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what used to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the Basin. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In March 2017, the AQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels.

The 2016 AQMP was based on assumptions provided by both CARB and SCAG in the latest available EMFAC model for the most recent motor vehicle and demographics information, respectively. The air quality levels projected in the 2016 AQMP are based on several assumptions. For example, the 2016 AQMP has assumed that development associated with general plans, specific plans, residential projects, and wastewater facilities will be constructed in accordance with population growth projections identified by SCAG in its 2016 RTP. The 2016 AQMP also has assumed that such development projects will implement strategies to reduce emissions generated during the construction and operational phases of development.

Criteria for determining consistency with the 2016 AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (28). These indicators are discussed below:

- Consistency Criterion No. 1: The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

*Construction Impacts*

The analysis above demonstrates that, project construction-source emissions would not exceed the applicable regional significance thresholds for any criteria pollutant. Therefore, the Project would not have the potential to result in or cause violations of the CAAQS and NAAQS.

*Operational Impacts*

The analysis above demonstrates that, project operational-source emissions would not exceed the applicable regional significance thresholds for any criteria pollutant. Therefore, the Project would not have the potential to result in or cause violations of the CAAQS and NAAQS. On the basis of the preceding discussion, the project would not conflict with the first criterion.

- Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

*Overview*
The 2016 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the Southern California Association of Governments (SCAG), which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in the City of Menifee General Plan is considered to be consistent with the AQMP.

*Construction Impacts*
Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. Thus, construction emissions from the Project would be consistent with the 2016 AQMP assumptions for construction activities throughout the SCAB.

*Operational Impacts*
The project's intended use is similar to the historic use of the site and consistent with applicable land use designations. No substantive change to the existing land use will occur. On the basis of the preceding discussion, the project is determined to be consistent with the second criterion.

*AQMP Consistency Conclusion*
The Project would not have the potential to result in or cause NAAQS or CAAQS violations. The project's development intensity is consistent with than the development intensities allowed within the General Plan. The project is therefore consistent with the AQMP and a potential conflict would not occur.

Mitigation Measures:

AQ-1 Concrete Production Limit. The proposed capacity of the concrete mixer is 48 cubic yards per hour, or 384 cubic yards per day for an 8-hour day, or approximately 8,450 cubic yards per month (assuming an 8-hour day and 22 work days). Therefore, to ensure potential emission do not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard, the Project Applicant shall obtain a "Permit to Construct and Operate" from AQMD and shall provide proof that the permit has been obtained to the City that will ensure that operations shall be limited to and shall not exceed 562 cubic yards per month. The AQMD permit shall be maintained throughout the life of the Conditional Use Permit issued by the City.

| **IV. BIOLOGICAL RESOURCES --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the | ❒ | ☒ | ❒ | ❒ |

| | | | | |
|---|---|---|---|---|
| California Department of Fish and Game or U.S. Fish and Wildlife Service? | | | | |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service? | ❒ | ❒ | ❒ | ☒ |
| c) Have a substantial adverse effect on federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | ❒ | ❒ | ❒ | ☒ |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | ❒ | ☒ | ❒ | ❒ |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | ❒ | ❒ | ❒ | ☒ |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | ❒ | ❒ | ❒ | ☒ |

Sources: Menifee General Plan; MGP Draft EIR; Riverside County Transportation and Land Management Agency, *Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP)*, Approved June 7, 2003; U.S. FWS Threatened and Endangered Species Active Critical Habitat Report, Updated May 2019; and *Hernandez Environmental Services. 2018. General Biological Assessment and Western County MSHCP Consistency Analysis)* included in Appendix C.

Applicable General Plan Policies:

Goal OSC-8: Protected biological resources, especially sensitive and special status wildlife species and their natural habitats.

Policy OSC-8.1: Work to implement the Western Riverside County Multiple Species Habitat Conservation Plan in coordination with the Regional Conservation Authority.

Policy OSC-8.2: Support local and regional efforts to evaluate, acquire, and protect natural habitats for sensitive, threatened, and endangered species occurring in and around the City.

Policy OSC-8.4: Identify and inventory existing natural resources in the City of Menifee.

Policy OSC-8.5: Recognize the impacts new development will have on the City's natural resources and identify ways to reduce these impacts.

Policy OSC-8.8: Implement and follow MSHCP goals and policies when making discretionary actions pursuant to Section 13 of the Implementing Agreement.

**Existing Conditions:**
The project site is undeveloped, relatively flat, and disturbed. It is bordered by commercial development to the north and east, and undeveloped land to the south and west. Elevations on the site range from 1,456 feet above mean sea-level (AMSL) to 1,460 AMSL.

Soils
According to the USDA Web Soil Survey, the soils at the project site are classified as Exeter sandy loam, 2 to 8 percent slopes, eroded.

Ruderal/Disturbed
The westerly portion of the project site contains approximately 3.40 acre of ruderal/disturbed habitat. The easterly portion of the project site is currently developed and used as a pipe manufacturing facility. The ruderal areas on the easterly portion of the site are dominated by non-native plant species. Dominant vegetation observed in this habitat type includes ripgut brome (*Bromus diandrus*), foxtail chess (*Bromus madritensis*), black mustard (*Brassica nigra*), Russian thistle (*Salsola tragus*), London rocket (*Sisymbrium irio*), and filaree (*Erodium sp.*).

The site is located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) boundary, but not in a Criteria Cell. The MSHCP is a comprehensive, multi-jurisdictional Habitat Conservation Plan intended to conserve species and their habitats while allowing the County and its cities to better control local land use and more efficiently implement requirements of the State and federal Endangered Species Acts.

Analysis of Project Effect and Determination of Significance:
Impact IV.a): **Less Than Significant Impact with Mitigation**.

**SENSITIVE PLANT RESOURCES**
A total of twenty plant species are listed as state and/or federal Threatened, Endangered, or Candidate species; are required to be reviewed under the Narrow Endemic Plant section of the Western Riverside MSHCP; are 1B.1 listed plants on the CNPS Rare Plant Inventory; or have been found to have a potential to exist on the project site, as identified in **Table 6, Sensitive Plant Species**.

**Table 6: Sensitive Plant Species**

| Name | Designation | Present Onsite |
|---|---|---|
| Chaparral sand-verbena (*Abronia villosa var. aurita*) | Rare Plant | No |
| Munz's onion (*Allium munzii*) | Federally Endangered and State Threatened | No |
| San Diego ambrosia (*Ambrosia pumila*) | Federally Endangered | No |
| Rainbow Manzanita (*Arctostaphylos rainbowensis*) | Rare Plant | No |
| Jaeger's milk-vetch (*Astragalus pachypus var. jaegeri*) | Rare Plant | No |
| San Jacinto Valley crownscale (*Atriplex coronata var. notatior*) | Federally Listed | No |
| Parish's brittlescale (*Atriplex parishii*) | Rare Plant | No |
| The thread-leaved brodiaea (*Brodiaea filifolia*) | Federally Threatened | No |
| Smooth tarplant (*Centromadia pungens ssp. laevis*) | Rare Plant | No |
| Parry's spineflower (*Chorizanthe parryi var. parryi*) | Rare Plant | No |
| Slender-horned spineflower (*Dodecahema leptoceras*) | Federally and State Endangered | No |
| San Diego button-celery (*Eryngium aristulatum var. parishii*) | Federally and State Listed Endangered | No |

| | | |
|---|---|---|
| Campbell's liverwort (*Geothallus tuberosus*) | Rare Plant | No |
| Tecate cypress (*Hesperocyparis forbesii*) | Rare Plant | No |
| Coulter's goldfields (*Lasthenia glabrata ssp.coulteri*) | Rare Plant | No |
| Parish's measowfoam (*Limnanthes alba ssp. parishii*) | State Endangered | No |
| Spreading navarretia (*Navarretia fossalis*) | Federally Threatened | No |
| Prostrate vernal pool navarretia (*Navarretia prostrata*) | Rare Plant | No |
| Prostrate vernal pool navarretia (*Navarretia prostrata*) | Rare Plant | No |
| California Orcutt grass (*Orcuttia californica*) | Federally and State Listed Endangered | No |
| Bottle liverwort (*Sphaerocarpos drewei*) | Rare Plant | No |
| Note: 1B.1 listed plants on the CNPS Rare Plan Inventory | | |

The General Biological Assessment MSHCP Consistency Analysis determined that none of the potential twenty plant species are present on site. Refer to Appendix C for a complete list of plant species.

**SENSITIVE ANIMAL RESOURCES**

A total of 15 animal species listed as state and/or federal Threatened, Endangered, Candidate were reviewed for the project, as identified in **Table 7, Sensitive Animal Species**. All sensitive species within a 5-mile radius of project area were reviewed and a complete list of those species are discussed within Appendix C.

**Table 7: Sensitive Animal Species**

| Name | Designation | Present Onsite |
|---|---|---|
| Tricolored blackbird (*Agelaius tricolor)* | State Candidate Endangered Specie<br>CDFW Species of Special Concern | No |
| Arroyo Toad (*Anaxyrus californicus*) | Federally Listed Threatened Species<br>CDFW Species of Special Concern | No |
| Vernal pool fairy shrimp (*Branchinecta lynchi*) | Federally Listed Threatened Species | No |
| San Diego fairy shrimp (*Branchinecta sandiegonensis*) | Federally Listed Endangered Species | No |
| Swainson's hawk (*Buteo swainsoni*) | State Listed Endangered Species | No |
| Western snowy plover (*Charadrius alexandrinus nivosus*) | Federally Listed Threatened Species<br>CDFW Species of Special Concern | No |
| San Bernardino kangaroo rat (*Dipodomys merriami parvus*) | Federally Listed Endangered Species<br>CDFW Species of Special Concern | No |
| Stephens' kangaroo rat (*Dipodomys stephensi*) | Federally Listed Endangered Species<br>State Listed Threatened Species | No |
| Quino checkerspot butterfly (*Euphydryas editha quino*) | Federally Listed Endangered Species | No |
| Bald eagle (*Haliaeetus leucocephalus*) | State Listed Endangered Species<br>CDFW Fully Protected Species | No |
| Coastal California gnatcatcher (*Polioptila californica californica*) | Federally Listed Endangered Species<br>CDFW Species of Special Concern | No |
| California red-legged frog (*Rana draytonii*) | Federally Listed Endangered Species<br>CDFW Species of Special Concern | No |
| Riverside fairy shrimp (*Streptocephalus woottoni*) | Federally Listed Endangered Species | No |
| Least Bell's vireo (*Vireo bellii pusillus)* | Federally and State Listed Endangered Species | No |

| | | |
|---|---|---|
| Burrowing owl (*Athene cunicularia*) | CDFW Species of Special Concern | No |
| Note: 1B.1 listed plants on the CNPS Rare Plan Inventory | | |

There is the potential for nesting birds to utilize the shrubs and trees adjacent to the project site and utilize the project site itself. Nesting birds are protected under Section 3503 of the Fish and Game Code (FGC) and the Migratory Bird Treaty Act (MBTA). Construction of the proposed project could disturb nesting birds and result in potentially significant impacts. Mitigation Measure (MM) BIO-1 would reduce potential impacts to nesting birds to less than significant by requiring construction activity to occur outside nesting season or preconstruction surveys. Therefore, with the implementation of MM BIO-1, impacts to nesting birds to sensitive species would be less than significant.

**CRITICAL HABITAT**

The project is not located within federally designated federal critical habitat. Additionally, the project does not host any type of sensitive species. Therefore, with incorporation of the mitigation measure identified above, the project would not cause substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.

Impacts IV.b-c): **No Impact.**

**RIPARIAN HABITATS AND JURISDICTIONAL WATERS**

The project site does not contain any drainage features or associated riparian habitat that would be regulated under Section 1602 of the Fish and Game Code. Further, the project site does not contain any "waters of the United States" (WoUS) that would be under the jurisdiction of the Federal Clean Water Act or riparian/wetland habitat that would be considered Western Riverside MSHCP riparian/riverine resources. No vernal pools are located on the project site.

Given the absence of jurisdictional waters, state or federally protected wetlands and vernal pools, no impacts would occur.

Impact IV.d): **Less Than Significant Impact with Mitigation.** The project area was evaluated for its function as a wildlife corridor that species would use to move between wildlife habitat zones. Features (e.g., mountain canyons or riparian corridors) typically used by wildlife as corridors are not present in the project area. The project site is located within the Sun Valley/Menifee Valley Area Plan of the Western Riverside County MSHCP. However, the project site is not located within a Criteria Cell or sub-unit of the Sun Valley/Menifee Valley Area Plan. In addition, the project area does not contain mountain canyons or riparian corridors that have the potential to be used by wildlife as corridors. Further, the project area is surrounded by human activity in the form of industrial businesses and roadways.

The project site does not contain mountain canyons or riparian corridors between major wildlife habitats. The project area is surrounded by paved roads and manufacturing/industrial structures. Because no wildlife movement corridors were found to be present on the project site, no impact would occur in this regard.

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. As previously stated, Construction of the proposed project could disturb nesting birds and result in potentially significant impacts. Mitigation Measure (MM) BIO-1 would reduce potential impacts to nesting birds to less than significant by requiring construction activity to occur outside nesting season or preconstruction surveys. Therefore, with the implementation of MM BIO-1, impacts to nesting birds to sensitive species would be less than significant.

Impact IV.e): **No Impact.** Vegetation onsite is limited to grassland species and ruderal species. There are no trees onsite that are considered Heritage Trees as defined in the City's Tree Preservation Ordinance (MMC

§9.86.110). Therefore, the project would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. No impact would occur in this regard.

Impact IV.f): **Less Than Significant Impact with Mitigation Incorporated.** The project site is located within the Western Riverside County MSHCP Harvest Valley/Winchester Area Plan. However, the project site is not located within a Sub Area Plan, Criteria Cell, or Cell Group. A discussion of the applicable Western Riverside County MSHCP requirements follows:

*Section 6.1.2 Species Associated With Riparian/Riverine Habitat and Vernal Pools*
The proposed project site does not contain any drainage features or associated riparian/wetland habitat that would be considered Western Riverside MSHCP riparian/riverine resources. Further, the site does not contain any depressions or areas where water could pool. No vernal pools or suitable habitat for fairy shrimp occur on the site.

*Section 6.1.4 Urban/Wildlands Interface Guidelines*
The project site is not located within or adjacent to a Western Riverside County MSHCP Conservation Area; therefore, the project site is not required to address Section 6.1.4 of the Western Riverside County MSHCP.

*Section 6.3.2 Additional Surveys and Procedures*
The project site is not located within plan-defined areas requiring surveys for narrow endemic plant species, criteria area plant species, or burrowing owl (*Athene cunicularia*). Therefore, no additional surveys are required at this time.

Overall, based upon the findings of this report, no further studies or mitigation measures will be needed. The project site does not contain sensitive habitats or native vegetation and is completely disturbed and regularly maintained.

Mitigation Measures:

BIO-1 Nesting Birds. To avoid impacting nesting birds, one of the following must be implemented:

Conduct grading activities from September 16th through January 31st, when birds are not likely to be nesting on the site; **OR**

Conduct pre-construction surveys for nesting birds if construction is to take place during the nesting season (February 1st through September 15th). A qualified wildlife biologist shall conduct a pre-construction nest survey no more than 14 days prior to initiation of grading to provide confirmation of the presence or absence of active nests on or immediately adjacent to the project site. If active nests are encountered, species-specific measures shall be prepared by a qualified biologist and implemented to prevent abandonment of the active nest. At a minimum, grading in the vicinity of the nest shall be deferred until the young birds have fledged. A minimum exclusion buffer of 100 feet shall be maintained during construction, depending on the species and location. The perimeter of the nest-setback zone shall be fenced or adequately demarcated with staked flagging at 20-foot intervals, and construction personnel and activities restricted from the area. A survey report by the qualified biologist verifying that (1) no active nests are present, or (2) that the young have fledged, shall be submitted to the City prior to initiation of grading in the nest-setback zone. The qualified biologist shall serve as a construction monitor during those periods when construction activities occur near active nest areas to ensure that no inadvertent impacts on these nests occur. A report of the findings prepared by a qualified biologist shall be submitted to the City prior to ground disturbance and/or issuance of a grading permit.

| **V. CULTURAL RESOURCES --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5? | ❒ | ❒ | ❒ | ☒ |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5? | ❒ | ❒ | ☒ | ❒ |
| c) Disturb any human remains, including those interred outside of formal cemeteries? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan; MGP Draft EIR; and Riverside County Land Information System.

Applicable General Plan Policies:

Goal OSC-5: Archaeological, historical, and cultural resources that are protected and integrated into the City's built environment.

Policy OSC-5.1: Preserve and protect significant archeological, historic, and cultural sites, places, districts, structures, landforms, objects and native burial sites, and other features, such as Ringing Rock and Grandmother Oak, consistent with state law.

Policy OSC-5.3: Preserve sacred sites identified by the Pechanga Band of Luiseno Indians and Soboba Band of Luiseno Indians, such as tribal burial grounds, by avoiding activities that would negatively impact the sites.

Policy OSC-5.5: Establish clear and responsible practices to identify, evaluate, and protect previously unknown archeological, historic, and cultural sites, following CEQA and NEPA procedure.

Analysis of Project Effect and Determination of Significance:

Impact V.a): **No Impact**. The westerly portion of the project site is vacant and no buildings are present onsite. The project does not propose grading at the storage area (westerly portion of the project site west of Palomar Road). The project would minimally smooth a portion of the site for the proposed Fire Dept. access lane. On the east side of Palomar Road, it is an existing developed site and no grading will occur for the installation of the new building or the proposed building addition. Minimal amount of earth moving will occur for the total project.

Because no grading would take place and negligible amounts of earth moving activities would occur, project implementation would not cause an adverse change in the significance of a historical resource and no impact would occur in this regard.

Impact V.b): **Less Than Significant Impact.** Refer to Impact V.a) above. No grading activities are anticipated as part of the project implementation. The project would be limited to partial smoothing of certain areas of the site for the proposed fire access road.

Standard Conditions (SC)-CUL-1 through SC-CUL-4 shall be implemented to reduce potentially significant impacts to previously undiscovered archaeological resources that may be accidentally encountered during Project implementation to a less than significant level. SC-CUL-1 requires that in the unlikely event that human remains are uncovered the contractor is required to halt work in the immediate area of the find and to

notify the County Coroner, in accordance with Health and Safety Code § 7050.5, who must then determine whether the remains are of forensic interest. If the Coroner, with the aid of a supervising archaeologist, determines that the remains are or appear to be of a Native American, he/she must contact the Native American Heritage Commission for further investigations and proper recovery of such remains, if necessary. SC-CUL-2 requires non-disclosure of Native American human remains. SC-CUL-3 pertains to procedures required due to any inadvertent finds during ground disturbance activities. SC-CUL-4 pertains to procedures for final disposition of inadvertent discoveries requires that the archaeological monitor prepare a final report at the conclusion of archaeological monitoring. Following compliance with these conditions, the project's potential impacts concerning the significance of an archaeological resource would be less than significant.

Impact V.c): **Less Than Significant Impact**. No formal cemeteries are on or near the project site. Most Native American human remains are found in association with prehistoric archaeological sites. Given the extent of past site disturbances, there is low potential for the project's ground-disturbing activities to encounter human remains. Notwithstanding, it is always a possibility that an unknown human remains are discovered during the project's ground-disturbing activities, a substantial adverse change in the significance of such a resource could occur. However, as previously mentioned, the project would not require any grading of the sites, the site preparation would be limited to smoothing of some portions for a fire access road, and Standard Condition (SC)-CUL-1 would be implemented if previously unknown human remains are unexpectedly discovered during project construction. Because no grading or ground disturbance is anticipated to occur, and with implementation of SC-CUL-1, a less than significant impact on archaeological resources would occur.

Standard Conditions and Requirements:

SC-CUL-1 Human Remains. If human remains are encountered, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to Public Resource Code Section 5097.98(b) remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made. If the Riverside County Coroner determines the remains to be Native American, the Native American Heritage Commission shall be contacted within the period specified by law (24 hours). Subsequently, the Native American Heritage Commission shall identify the "most likely descendant." The most likely descendant shall then make recommendations and engage in consultation concerning the treatment of the remains as provided in Public Resources Code Section 5097.98.

SC-CUL-2 Non-Disclosure of Location Reburials. It is understood by all parties that unless otherwise required by law, the site of any reburial of Native American human remains or associated grave goods shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, pursuant to the specific exemption set forth in California Government Code 6254 (r)., parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code 6254 (r).

SC-CUL-3 Inadvertent Archeological Find. If during ground disturbance activities, unique cultural resources are discovered that were not assessed by the archaeological report(s) and/or environmental assessment conducted prior to project approval, the following procedures shall be followed. Unique cultural resources are defined, for this condition only, as being multiple artifacts in close association with each other, but may include fewer artifacts if the area of the find is determined to be of significance due to its sacred or cultural importance as determined in consultation with the Native American Tribe(s).

i. All ground disturbance activities within 100 feet of the discovered cultural resources shall be halted until a meeting is convened between the developer, the archaeologist, the tribal representative(s) and the Community Development Director to discuss the

significance of the find.

ii. At the meeting, the significance of the discoveries shall be discussed and after consultation with the tribal representative(s) and the archaeologist, a decision shall be made, with the concurrence of the Community Development Director, as to the appropriate mitigation (documentation, recovery, avoidance, etc.) for the cultural resources.

iii. Grading of further ground disturbance shall not resume within the area of the discovery until an agreement has been reached by all parties as to the appropriate mitigation.Work shall be allowed to continue outside of the buffer area and will be monitored by additional Tribal monitors if needed.

iv. Treatment and avoidance of the newly discovered resources shall be consistent with the Cultural Resources Management Plan Treatment and Monitoring Agreements entered into with the appropriate tribes. This may include avoidance of the cultural resources through project design, in-place preservation of cultural resources located in native soils and/or re-burial on the Project property so they are not subject to further disturbance in perpetuity as identified in Non-Disclosure of Reburial Condition.

v. Pursuant to Calif. Pub. Res. Code § 21083.2(b) avoidance is the preferred method of preservation for archaeological resources and cultural resources. If the landowner and the Tribe(s) cannot agree on the significance or themitigation for the archaeological or cultural resources, these issues will be presented to the City Community Development Director for decision. The City Community Development Director shall make the determination based on the provisions of the California Environmental Quality Act with respect to archaeological resources, recommendations of the project archeologist and shall take into account the cultural and religious principles and practices of the Tribe. Notwithstanding any other rights available under the law, the decision of the City Community Development Director shall be appealable to the City Planning Commission and/or City Council."

SC-CUL-4 Cultural Resources Disposition. In the event that Native American cultural resources are discovered during the course of grading (inadvertent discoveries), the following procedures shall be carried out for final disposition of the discoveries:

a) One or more of the following treatments, in order of preference, shall be employed with the tribes. Evidence of such shall be provided to the City of Menifee Community Development Department:

i. Preservation-In-Place of the cultural resources, if feasible. Preservation in place means avoiding the resources, leaving them in the place where they were found with no development affecting the integrity of the resources.

ii. Reburial of the resources on the Project property. The measures for reburial shall include, at least, the following: Measures and provisions to protect the future reburial area from any future impacts in perpetuity. Reburial shall not occur until all legally required cataloging and basic recordation have been completed, with an exception that sacred items, burial goods and Native American human remains are excluded. Any reburial process shall be culturally appropriate. Listing of contents and location of the reburial shall be included in the confidential Phase IV report. The Phase IV Report shall be filed with the City under a confidential cover and not subject to Public Records Request.

iii. If preservation in place or reburial is not feasible then the resources shall be curated in a culturally appropriate manner at a Riverside County curation facility that meets State Resources Department Office of Historic Preservation Guidelines

for the Curation of Archaeological Resources ensuring access and use pursuant to the Guidelines. The collection and associated records shall be transferred, including title, and are to be accompanied by payment of the fees necessary for permanent curation. Evidence of curation in the form of a letter from the curation facility stating that subject archaeological materials have been received and that all fees have been paid, shall be provided by the landowner to the City. There shall be no destructive or invasive testing on sacred items, burial goods and Native American human remains. Results concerning finds of any inadvertent discoveries shall be included in the Phase IV monitoring report.

Mitigation Measures: No mitigation is required.

| **VI. ENERGY --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during construction or operation? | ❒ | ❒ | ☒ | ❒ |
| b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan; OPR's Technical Advisory; and Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation, 2018. See Appendix B, *Air Quality and Greenhouse Gas Assessment*.

Applicable General Plan Policies:

Goal OSC-4: Efficient and environmentally appropriate use and management of energy and mineral resources to ensure their availability for future generations.

Policy OSC-4.1: Apply energy efficiency and conservation practices in land use, transportation demand management, and subdivision and building design.

Analysis of Project Effect and Determination of Significance:
Impact VI.a-b): **Less Than Significant Impact**. California Code Title 24, Part 6 (also referred to as the California Energy Code), was promulgated by the CEC in 1978 in response to a legislative mandate to create uniform building codes to reduce California's energy consumption. To these ends, the California Energy Code provides energy efficiency standards for residential and nonresidential buildings. California's building efficiency standards are updated on an approximately three-year cycle. The 2016 Standards for building construction, which went into effect on January 1, 2017, improved upon the former 2013 Standards for residential and nonresidential buildings.

For new development such as that proposed by the Project, compliance with California Building Standards Code Title 24 energy efficiency requirements (CalGreen) are considered demonstrable evidence of efficient use of energy. The Project site would be required to promote and provide for energy efficiencies beyond those required under other applicable federal or State of California standards and regulations, and in so doing would meet all California Building Standards Code 24 standards. Moreover, energy consumed by the Project is expected be primarily during construction activities. Additionally, energy use for operations would be expected to be comparable to, or less than, energy consumed by other similar uses of similar scale and intensity that are constructed and operating in California. On this basis, the Project would not result in the inefficient, wasteful, or unnecessary consumption of energy. Furthermore, the Project would not cause or

result in the need for additional energy facilities or energy delivery systems. Less than significant impacts would occur.

Mitigation Measures: No mitigation is required.

| **VII. GEOLOGY AND SOILS --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | ❒ | ❒ | ☒ | ❒ |
| ii) Strong seismic ground shaking? | ❒ | ❒ | ☒ | ❒ |
| iii) Seismic-related ground failure, including liquefaction? | ❒ | ❒ | ☒ | ❒ |
| iv) Landslides? | ❒ | ❒ | ☒ | ❒ |
| b) Result in substantial soil erosion or the loss of topsoil? | ❒ | ❒ | ☒ | ❒ |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | ❒ | ❒ | ☒ | ❒ |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | ❒ | ❒ | ☒ | ❒ |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water? | ❒ | ❒ | ❒ | ☒ |
| f) Be impacted by or result in an increase in wind erosion and blowsand, either on or off site? | ❒ | ❒ | ☒ | ❒ |
| g) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan Exhibits S-1, “Fault Map,” S-2, “Slope Distribution,” S-3, “Liquefaction and Landslides,” and S-4, “Geologic Map”; MGP Draft EIR; Riverside County General Plan Figure S-8, Wind

"Erosion Susceptibility Map; " and State of California Department of Conservation Website - EQ Zapp: California Earthquake Hazards Zone Application – Earthquake Zones of Required Investigation.

Applicable General Plan Policies:

Goal S-1: A community that is minimally impacted by seismic shaking and earthquake-induced or other geologic hazards.

Policy S-1.1: Require all new habitable buildings and structures to be designed and built to be seismically resistant in accordance with the most recent California Building Code adopted by the City.

Goal S-2: A community that has used engineering solutions to reduce or eliminate the potential for injury, loss of life, property damage, and economic and social disruption caused by geologic hazards such as slope instability; compressible, collapsible, expansive or corrosive soils; and subsidence due to groundwater withdrawal.

Policy S-2.1: Require all new developments to mitigate the geologic hazards that have the potential to impact habitable structures and other improvements.

Analysis of Project Effect and Determination of Significance:
Impact VII.a.i): **Less Than Significant Impact**. The project site is not located within an Alquist-Priolo Earthquake Fault Zone and there are no known active faults on or immediately adjacent to the property.[i] Therefore, the project would not have substantial adverse effects involving rupture of a known earthquake fault and a less than significant impact would occur in this regard.

Impact VII.a.ii-iv, VII.c-d): **Less Than Significant Impact**. While the site is in a seismically active region, no active or potentially active faults are presently known to exist at this site. Also, the the site is "not in a fault zone" and "not within a ½ mile of a fault." The nearest zoned faults are the Elsinore Fault, located approximately 12 miles to the southwest, and the Glen Ivy North fault, located approximately 9 miles to the southwest. Further, the absence of shallow groundwater at the site reduces the potential for seismic-induced liquefaction. Given the potential for seismic activity in the region, moderate to strong seismic shaking may occur during the project's design life. Therefore, project implementation could expose people or structures to potential substantial adverse effects involving strong seismic ground shaking. The intensity of ground shaking on the project site would depend on several factors including: the distance to the earthquake focus, the earthquake magnitude, the response characteristics of the underlying materials, and the quality and type of construction. Moreover, the following geologic and seismic hazards based on site-specific parameters have been evaluated:

Liquefaction/Seismic Settlement. As identified in the General Plan, Exhibit S-3, the project site is not within an area currently mapped with seismic hazards such as liquefaction or landslides. The nearest liquefaction areas identified in Exhibit S-3 are located approximately 4.0 miles south of the project site.

Slope Failure, Landslides, Rock Falls. Due to the relatively flat nature of the property following proposed grading, and lack of evidence of existing landslides or slope instability, the potential for slope failure and landslides is negligible. Additionally, no grading would occur as part of the project. Site preparation would be limited to smoothing of some portions above ground. As such, risks associated with slope instability are considered "low."

Subsidence. Due to existing site topography, the project will not require imported soils to attain design grades. The City General Plan EIR states that it is unlikely that buildout of the General Plan would result in lowered groundwater levels under Menifee that could cause ground subsidence. Impacts from subsidence are anticipated to be less than significant.

In summary, the project is not anticipated to impact or change the existing geotechnical stability of the project site. No grading would occur and less than significant impact would occur.

Regulatory controls to address potential geologic and seismic hazards would be imposed on the project through the permitting process. Pursuant to MMC §8.04.010, the City has adopted the 2016 California Building Code (CBC), subject to certain amendments and changes. CBC design standards correspond to the level of seismic risk in a given location and are intended primarily to protect public safety and secondly to minimize property damage. The project would be subject to compliance with all applicable regulations in the most recently published CBC (as amended by MMC §8.04.010), which specifies design requirements to mitigate the effects of potential geologic and seismic hazards. Thus, the project's potential impacts concerning exposure of people or structures to potential substantial adverse effects involving geologic and seismic hazards, and unstable conditions, would be less than significant.

Impact VII.b): **Less Than Significant Impact**. No grading activities would take place as part of the proposed project on either side of Palomar Road. Minimal smoothing of portions of the site would take place. Nonetheless, during construction, the project would be subject to compliance with erosion and sediment control measures and the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, and all subsequent amendments) (Construction General Permit); see Response X.a). MMC §15.01.015(B)(1) specifies that any person performing construction work in the City shall comply with the provisions of MMC Chapter 15.01 and control stormwater runoff so as to prevent any likelihood of adversely affecting human health or the environment. The Engineering/Public Works Department would identify the BMP's that may be implemented to prevent such deterioration and the manner of implementation. Further, the project proposes hardscapes throughout easterly portion (already developed portion) of the project site, which would stabilize soils and contain them onsite. Following compliance with the established regulatory framework (NPDES and MMC), the project's potential impacts concerning soil erosion and loss of topsoil would be less than significant and no mitigation is required.

Impact VII.e): **No Impact.** Sewers would be available for disposal of project generated wastewater; see Responses XIX.a. The project would be served by the Eastern Municipal Water District and would not utilize septic tanks or alternative waste water disposal systems. Therefore, no impact would occur in this regard and no mitigation is required.

Impact VII.f): **Less Than Significant Impact.** The project site, like the rest of the City, is located in an area designated as having moderate susceptibility to wind erosion. Further, the site is surrounded by industrial development to the west, east, and north, which would minimize exposure to wind erosion. As such, it is not anticipated that high winds or blowing sand would have substantial impacts on project-related improvements. Project implementation would cover currently exposed soils with buildings/improvements, further reducing potential impacts related to windblown dust or sand within the project vicinity.

Impact VII.g): **Less Than Significant Impact**. No grading is proposed as part of the project construction preparation. Site preparation would be limited to the smoothing of certain areas. Thus, the project is not anticipated to directly or indirectly destroy a unique paleontological resource or site or unique geological feature.

Mitigation Measures: No mitigation is required.

| **VIII. GREENHOUSE GAS EMISSIONS --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the | ❒ | ❒ | ☒ | ❒ |

| | | | | |
|---|---|---|---|---|
| environment? | | | | |
| b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan; and Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation, 2018. See Appendix B, *Air Quality and Greenhouse Gas Assessment*.

Applicable General Plan Policies:

Goal OSC-4: Efficient and environmentally appropriate use and management of energy and mineral resources to ensure their availability for future generations.

Policy OSC-4.1: Apply energy efficiency and conservation practices in land use, transportation demand management, and subdivision and building design.

Goal OSC-10: An environmentally aware community that is responsive to changing climate conditions and actively seeks to reduce local greenhouse gas emissions.

Policy OSC-10.1: Align the City's local GHG reduction targets to be consistent with the statewide GHG reduction target of AB 32.

Policy OSC-10.2: Align the City's long-term GHG reduction goal consistent with the statewide GHG reduction goal of Executive Order S-03-05.

Policy OSC-10.3: Participate in regional greenhouse gas emission reduction initiatives.

Policy OSC-10.4: Consider impacts to climate change as a factor in evaluation of policies, strategies, and projects.

Existing Setting:

*Global Warming and Greenhouse Gases*

Global climate change refers to changes in average climatic conditions on earth as a whole, including temperature, wind patterns, precipitation and storms. Global warming, a related concept, is the observed increase in average temperature of the earth's surface and atmosphere. The six major greenhouse gases (GHGs) identified by the Kyoto Protocol are carbon dioxide ($CO_2$), methane ($CH_4$), nitrous oxide ($N_20$), sulfur hexafluoride ($SF_6$), hydrofluorocarbons (HFCs), and perfluorocarbons (PFCs). GHGs absorb longwave radiant energy reflected by the earth, which warms the atmosphere. GHGs also radiate long wave radiation both upward to space and back down toward the surface of the earth. The downward part of this longwave radiation absorbed by the atmosphere is known as the "greenhouse effect." The potential effects of global climate change may include rising surface temperatures, loss in snow pack, sea level rise, more extreme heat days per year, and more drought years.

$CO_2$ is an odorless, colorless natural GHG. Natural sources include the following: decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic (human-caused) sources of $CO_2$ are from burning coal, oil, natural gas, wood, butane, propane, etc. $CH_4$ is a flammable gas and is the main component of natural gas. $N_20$, also known as laughing gas, is a colorless GHG. Some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to the atmospheric load of GHGs. HFCs are synthetic man-made chemicals that are used as a substitute for chlorofluorocarbons (whose production was stopped as required by the Montreal Protocol) for automobile air conditioners and refrigerants. The two main sources of PFCs are primary aluminum production and semiconductor manufacture. $SF_6$ is an inorganic, odorless, colorless, nontoxic, nonflammable gas. $SF_6$ is used for insulation in electric power transmission and

distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

Events and activities, such as the industrial revolution and the increased combustion of fossil fuels (e.g., gasoline, diesel, coal, etc.), have heavily contributed to the increase in atmospheric levels of GHGs. An air quality analysis of GHGs is a much different analysis than the analysis of criteria pollutants for the following reasons. For criteria pollutants significance thresholds are based on daily emissions because attainment or non-attainment is based on daily exceedances of applicable ambient air quality standards. Further, several ambient air quality standards are based on relatively short-term exposure effects on human health, e.g., one-hour and eight-hour. Since the half-life of $CO_2$ in the atmosphere is approximately 100 years, for example, the effects of GHGs are longer term, affecting global climate over a relatively long timeframe. As a result, the SCAQMD's current position is to evaluate GHG effects over a longer timeframe than a single day.

In its CEQA and Climate Change document (January 2008), the California Air Pollution Control Officers Association (CAPCOA) identifies many potential GHG significance threshold options. The CAPCOA document indicates that establishing quantitative thresholds is a balance between setting the level low enough to capture a substantial portion of future residential and non-residential development, while also setting a threshold high enough to exclude small development projects that would contribute a relatively small fraction of the cumulative statewide GHG emissions. Two potential significance thresholds were 10,000 metric tons per year and 25,000 metric tons per year.

Finally, another approach to determining significance is to estimate what percentage of the total inventory of GHG emissions are represented by emissions from a single project. If emissions are a relatively small percentage of the total inventory, it is possible that the project would have little or no effect on global climate change.

According to available information, the statewide inventory of $CO_2$ equivalent emissions is as follows: 1990 GHG emissions were estimated to equal 427 million metric tons of $CO_2$ equivalent, and 2020 GHG emissions are projected to equal 600 million metric tons of $CO_2$ equivalent, under a business as usual scenario. Interpolating an inventory for the year 2011 results in an estimated inventory of approximately 121 million metric tons of $CO_2$ equivalent. Interpolating an inventory for the year 2012 results in an estimated inventory of approximately 127 million metric tons of $CO_2$ equivalent. These amounts assume that between 1990 and 2020 there is an average increase of 5.76 million tons per year of GHG.

Analysis of Project Effect and Determination of Significance:
Impacts VIII.a): **Less Than Significant Impact.** The proposed concrete batching activity would not result in any substantive emissions increases than what was previously evaluated in the previous Forterra Pipe Manufacturing Focused Air Quality and Greenhouse Gas Evaluation (Urban Crossroads April 2017). The only additional GHG emissions would be a result of short-term construction activity associated with the proposed concrete batching operation.

The annual GHG emissions associated with the construction and operation of the proposed project are estimated to be 1,144.08 MTCO2e per year as summarized in **Table 8, Operational Greenhouse Gas Emissions Summary (Annual)**. Detailed construction model outputs are presented in Attachment "A". The proposed project would not exceed the 3,000 MTCO2e threshold. As such, the proposed project would result in a less than significant impact with respect to GHG emissions.

**Table 8: Operational Greenhouse Gas Emissions Summary (Annual)**

| Emission Source | Emissions (Metric tons per year) (CO2e) |
|---|---|
| April 2017 Greenhouse Gas Assessment | 1,142.80 |
| Proposed construction-related emissions amortized (30 years) | 1.28 |

| | |
|---|---|
| Total $CO_2E$ (All Sources) | 1,144.08 |
| Source: Urban Urban CrossRoads – Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas Evaluation. 2018. | |

Additionally, the proposed concrete batching operation would not hinder or conflict with any of the Scoping Plan Consistency findings presented previously in the Forterra Pipe Manufacturing Focused Air Quality and Greenhouse Gas Evaluation (Urban Crossroads April 2017). Thus, the project would cause a less than significant impact regarding Greenhouse Gas Emissions.

Impacts VIII. b): **Less Than Significant Impact.** The City of Menifee has not yet adopted a qualified GHG reduction plan. The City of Menifee General Plan includes policies and measures (shown in General Plan Draft EIR GHG Section, Table 5.7-9) for the City to implement in support of achieving the reduction target of AB 32 and the statewide GHG reduction goal of Executive Order S-03-05. The City has adopted the 2016 edition of the California Building Code (Title 24), including the California Green Building Standards Code (pursuant to Menifee Municipal Code Chapter 8.06). The Project will be subject to the California Green Building Standards Code, which requires new buildings to reduce water consumption, employ building commissioning to increase building system efficiencies for large buildings, divert construction waste from landfills, and install low pollutant-emitting finish materials.

AB 32 requires the state to reduce statewide greenhouse gas emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15. The new legislation builds upon the AB 32 goal of 1990 levels by 2020 and provides an intermediate goal to achieving S-3-05, which sets a statewide greenhouse gas reduction target of 80% below 1990 levels by 2050.

Modeling shows the GHG emissions from the proposed project will fall below the 3,000 metric ton limit established by the SCAQMD in 2010. In addition, all proposed improvements associated with the project will meet current energy efficiency requirements of California Title 24. Those responsible for design and completion of the project are dedicated to regulatory compliance in all other areas of construction and operation, the requirements of many of which are mandated by the members of the Climate Action Team. For these reasons, this project will be consistent with the California Scoping plan and should not conflict with applicable plans, policies and regulations adopted for the purpose of reducing greenhouse gas emissions. Therefore, the impact is considered less than significant.

Mitigation Measures: No mitigation is required.

| **IX. HAZARDS AND HAZARDOUS MATERIALS --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | ❒ | ❒ | ☒ | ❒ |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | ❒ | ❒ | ☒ | ❒ |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | ❒ | ❒ | ❒ | ☒ |

| | | | | |
|---|---|---|---|---|
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | ❒ | ❒ | ❒ | ☒ |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? | ❒ | ❒ | ❒ | ☒ |
| f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? | ❒ | ❒ | ☒ | ❒ |
| g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan, Exhibit S-6, "High Fire Hazard Areas," and Exhibit S-7, "Critical Facilities;" MGP Draft EIR; State of California, Department of Toxics Substances Control, EnviroStor Database; State of California, Department of Toxics Substances Control, Cortese list of Hazardous Waste and Substances Sites database; State of California, Water Resources Control Board, Geotracker, All Hazards Site Search; United States, Environmental Protection Agency, Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Database; California Department of Forestry and Fire Protection (CAL FIRE) Website - Riverside County City Fire Hazard Severity Zone Maps.

Applicable General Plan Policies:

Goal S-5: A community that has reduced the potential for hazardous materials contamination.

Policy S-5.1: Locate facilities involved in the production, use, storage, transport, or disposal of hazardous materials away from land uses that may be adversely impacted by such activities and areas susceptible to impacts or damage from a natural disaster.

Policy S-5.2: Ensure that the fire department can continue to respond safely and effectively to a hazardous materials incident in the City, whether it is a spill at a permitted facility, or the result of an accident along a section of the freeway or railroads that extend across the City.

Policy S-5.4: Ensure that all facilities that handle hazardous materials comply with federal and state laws pertaining to the management of hazardous wastes and materials.

Policy S-5.5: Require facilities that handle hazardous materials to implement mitigation measures that reduce the risks associated with hazardous material production, storage, and disposal.

Goal S-6: A City that responds and recovers in an effective and timely manner from natural disasters such as flooding, fire, and earthquakes, and as a result is not impacted by civil unrest that may occur following a natural disaster.

Policy S-6.1: Continuously review, update, and implement emergency preparedness, response, and recovery plans that make the best use of the City- and county-specific emergency management resources available.

Analysis of Project Effect and Determination of Significance:

Impacts IX.a): **Less Than Significant Impact.** The project would not handle or transport hazardous materials. The proposed project site is located in an area designated for industrial uses and no residential areas would

be impacted. Additionally, the project would not place housing near any hazardous materials facilities. Project impacts associated with the routine transport and use of hazardous materials or wastes would be less than significant.

Impact IX.b): **Less Than Significant Impact.**

According to EnviroStor, the project site is not located in an area known for hazardous materials or releases. The nearest investigation site is High School No. 3 (33010072) Briggs Road/Pinacate Road, Romoland, CA 92585. However, the school investigation is label as requiring no further action.

Because the project would not require any grading nor would it handle hazardous materials, and based on the findings summarized above, the project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. A less than significant impact would occur in this regard.

Impact IX.c): **No Impact.** The proposed structures would be used for storage purposes. Both the proposed new building and building addition would store the products that are currently being manufactured onsite and stored outdoors. The project would not handle or emit hazardous materials onsite or to sensitive uses. Additionally, the nearest schools are located more than 1.0 miles away from the project site. Thus, because the project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste, no impact would occur in this regard and no mitigation is required.

Impact IX.d): **No Impact.** Government Code §65962.5 refers to the Hazardous Waste and Substances Site List, commonly known as the Cortese List, maintained by the Department of Toxic Substances Control (DTSC). According to the DTSC EnviroStor Database, the project site is not included on the Cortese List.[ii] Therefore, the project would not create a significant hazard to the public or the environment in this regard.

Impact IX.e): **No Impact.** The following airports/airstrips are located nearest the project site:

- Perris Valley Airport: at 2091 Goetz Road, Perris, approximately 5.0 miles to the northwest;
- Pines Airpark: at 32655 Flight Way, Winchester, approximately 8 miles to the southeast; and
- Skylark Field Airport: at 20701 Cereal St, Lake Elsinore, CA 92530, approximately 11 miles to the southwest.

The project site is not within the Perris Valley Airport Land Use Plan area, and is not within 2.0 miles of any other public airport/public use airport or in the vicinity of a private airstrip. The March Air Reserve Base is located approximately ten (10) miles northwest of the project site. The project site is located within Airport Compatibility Zone E of the March Air Reserve Base/Inland Port Airport Influence Area. Within Compatibility Zone E of the March Air Reserve Base/Inland Airport Land Use Compatibility Plan, residential density and nonresidential intensity are not restricted.

Therefore, the project would not result in an airport-/airstrip-related safety hazard for people residing or working in the project area. No impact would occur in this regard.

Impact IX.f): **Less than Significant Impact.** See Response XVI.e). The proposed project would not crease any additional noise that what is already created from the production of materials. Less than significant impact would occur.

Impact IX.g): **Less Than Significant Impact.** The project site is not located within a Moderate, High, or Very High Fire Hazard Severity Zone, as identified on the latest Fire Hazard Severity Zone (FHSZ) maps prepared by the California Department of Forestry and Fire Protection (CALFIRE).

The project would be subject to compliance with the CCR Title 24 Parts 2 and 9 – Fire Codes and California

Public Resources Code Sections 4290-4299 ad General Code Section 51178. Further, it is the City's goal (Goal S-4) for a community that has effective fire mitigation and response measures in place, and as a result is minimally impacted by wildland and structure fires. To this end, the project would be subject to compliance with the following City policies:

- Policy S-4.1: Require fire-resistant building construction materials, the use of vegetation control methods, and other construction and fire prevention features to reduce the hazard of wildland fire.
- Policy S-4.2: Ensure, to the maximum extent possible, that fire services, such as firefighting equipment and personnel, infrastructure, and response times, are adequate for all sections of the City.
- Policy S-4.4: Review development proposals for impacts to fire facilities and compatibility with fire areas or mitigate.

The Riverside County Fire Department (RCFD) provides fire protection and emergency medical response services in the City of Menifee. In coordination with the RCFD and California Department of Forestry and Fire Protection, the RCFD would evaluate the project to determine the necessary fire prevention features. Following compliance with the established local and state regulatory framework discussed above, the project would not expose people or structures to a significant risk involving wildland fires and impacts would be less than significant in this regard.

Mitigation Measures: No mitigation is required.

| **X. HYDROLOGY AND WATER QUALITY --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality? | ❒ | ❒ | ☒ | ❒ |
| b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? | ❒ | ❒ | ☒ | ❒ |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: | ❒ | ❒ | ☒ | ❒ |
| i) result in substantial erosion or siltation on- or off-site; | ❒ | ❒ | ☒ | ❒ |
| ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site; | ❒ | ❒ | ☒ | ❒ |
| iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or | ❒ | ❒ | ☒ | ❒ |
| iv) impede or redirect flood flows? | ❒ | ❒ | ☒ | ❒ |

| | | | | |
|---|---|---|---|---|
| d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to inundation? | ❒ | ❒ | ☒ | ❒ |
| e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan Safety Element Exhibit S-5, "Flood Hazards"; MGP Draft EIR; Riverside County General Plan Figure S-9, "100- and 500-Year Flood Hazard Zones" and Figure S-10 "Dam Failure Inundation Zone".

Applicable General Plan Policies:

Goal S-3: A community that is minimally disrupted by flooding and inundation hazards.

Policy S-3.1: Require that all new developments and redevelopments in areas susceptible to flooding (such as the 100-year floodplain and areas known to the City to flood during intense or prolonged rainfall events) incorporate mitigation measures designed to mitigate flood hazards.

Policy S-3.2: Reduce flood hazards in developed areas known to flood.

Policy OSC-7.8: Protect groundwater quality by decommissioning existing septic systems and establishing connections to sanitary sewer infrastructure.

Policy OSC-7.9: Ensure that high-quality potable water resources continue to be available by managing stormwater runoff, wellhead protection, and other sources of pollutants.

Policy OSC-7.10: Preserve natural floodplains, including Salt Creek, Ethanac Wash, Paloma Wash, and Warm Springs Creek, to facilitate water percolation, replenishment of the natural aquifer, proper drainage, and prevention of flood damage.

Analysis of Project Effect and Determination of Significance:
Impacts X.a-b: **Less Than Significant Impact.**

The California Porter-Cologne Water Quality Control Act (Section 13000 ["Water Quality"] et seq., of the California Water Code), and the Federal Water Pollution Control Act Amendment of 1972 (also referred to as the Clean Water Act [CWA]) require comprehensive water quality control plans be developed for all waters within the State of California.

**SHORT-TERM CONSTRUCTION**
The project's construction-related activities would include minimal ground smoothing and no grading is anticipated to occur. As previously stated, because the proposed project would involve the exposure of soil during the duration of project construction, the appropriate soil erosion and control techniques would be employed in conformance to the best practices Construction BMP Handbook. However, it is not anticipated that that project would displace significant quantities of soils and the potential for soils to be subject to wind and water erosion is also anticipated to be negligible.

**LONG-TERM OPERATIONS**
The project would be used for storage and industrial manufacturing purposes and no habitable structures requiring waste water discharge connections would be necessary. The project would not degrade surface or ground water quality.

Water usage would be limited to the irrigation of onsite landscaping. Based on the project site plan, no portion of the site design is anticipated to violate any water quality standards or waste discharge requirement or otherwise substantially degrade surface or ground water quality. The project's demand for domestic water service would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level. Therefore, impacts would be less than significant.

Impact X.c.i): **Less Than Significant Impact.** There are no natural drainage courses located on-site and the site is relatively flat. Because the proposed project would involve the exposure of soil during the duration of project construction, the appropriate soil erosion and control techniques would be employed in conformance to the best practices Construction BMP Handbook.

Impact X.c.ii): **Less Than Significant Impact.** The site does not include any streams or rivers, which could be altered by the proposed project. In addition, the project does not propose to add impervious surface area which would limit any net increase in the release of stormwater from the site, thereby minimizing the potential for flooding on-site or off-site. Additionally, storm water infrastructure already exists along Matthews Road which would capture any offsite runoff. Therefore, impacts would be less than significant.

Impact X.c.iii): **Less Than Significant Impact.** The project is not anticipated to create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Water would continue to drain to Matthews Road where storm water infrastructure already exits. Therefore, impacts would be less than significant.

Impact X.c.vi): **Less Than Significant Impact.** Flood hazards for the City include dam inundation in the event of a catastrophic failure, such as seismically induced dam failure. The California Division of Dam Safety monitors the structural safety of dams that are greater than 25 feet high or have more than 50 acre-feet of storage capacity. Parts of Menifee are within existing dam inundation areas for three dams at Diamond Valley Lake, two dams at Canyon Lake, and one at Lake Perris Reservoir. The General Plan Exhibit S-5 – Flood Hazards, shows that the project site is within a FEMA Flood Zone A. This zone corresponds with a 100-year flood area. Diamond Valley Lake, Canyon Lake, and Perris Reservoir are located within 7 miles of the project site. The design and construction of the dams for earthquake resistance, in combination with continued monitoring by the California Division of Dam Safety reduces risks of dam failure due to earthquakes. Dam inundation impacts would be less than significant.

Impact X.d): **Less Than Significant Impact.** Because the site is not immediately adjacent to any impounded bodies of water, risk associated with tsunamis and seiches is considered negligible. The site is situated on relatively flat ground and the potential for landslides, rock falls, earthflows and slumps are negligible. As such, risks associated with slope instability is considered "low." Therefore, potential impact concerning release of pollutants due to inundation from flood, tsunami, or seiche are considered less than significant.

Impact X.e): **No Impacts.** The project would not violate any water quality standards or degrade water quality during construction or operation, and would not interfere with the Basin Plan. The project is located within the San Jacinto Groundwater Basin. Currently the Basin is in a basin boundary modification process and the prioritization of the Basin has not yet been determined (DWR 2018). The project would not involve the extraction or injection of groundwater. Since the Basin has not yet been prioritized, there is currently no sustainable groundwater management plan. The Eastern Municipal Water District (EMWD) prepared a West San Jacinto Groundwater Management Area Annual Report in 2017 (EMWD 2017). The plan includes a number of recommendations for the management of the groundwater basin; the project would conflict with any of these recommendations. The project would not conflict with or obstruct the Basin Plan or sustainable management of the Groundwater Basin and there would be no impacts.

Mitigation Measures: No mitigation is required.

| **XI. LAND USE AND PLANNING -** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| | ❒ | ❒ | ❒ | ☒ |

| | | | | |
|---|---|---|---|---|
| a) Physically divide an established community? | | | | |
| b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan, Exhibit LU-2, "Land Use Map"; and Menifee Zoning Map.

Applicable General Plan Policies:

Goal LU-1: Land uses and building types that result in a community where residents at all stages of life, employers, workers, and visitors have a diversity of options of where they can live, work, shop, and recreate within Menifee.

Policy LU-1.1: Concentrate growth in strategic locations to help preserve rural areas, create place and identity, provide infrastructure efficiently, and foster the use of transit options.

Policy LU-1.5: Support development and land use patterns, where appropriate, that reduce reliance on the automobile and capitalize on multimodal transportation opportunities.

Policy LU-1.6: Coordinate land use, infrastructure, and transportation planning and analysis with regional, county, and other local agencies to further regional and subregional goals for jobs-housing balance.

Policy LU-1.8: Ensure new development is carefully designed to avoid or incorporate natural features, including washes, creeks, and hillsides.

Policy LU-1.9: Allow for flexible development standards provided that the potential benefits and merit of projects can be balanced with potential impacts.

Policy LU-1.10: Buffer sensitive land uses, such as residences, schools, care facilities, and recreation areas from major air pollutant emission sources, including freeways, manufacturing, hazardous materials storage, wastewater treatment, and similar uses.

Goal ED-1: A diverse and robust local economy capable of providing employment for all residents desiring to work in the City.

Policy ED-1.2: Diversify the local economy and create a balance of employment opportunities across skill and education levels, wages and salaries, and industries and occupations.

Goal ED-3: A mix of land uses that generates a fiscal balance to support and enhance the community's quality of life.

Policy ED-3.1: Incorporate short-term and long-term economic and fiscal implications of proposed actions into decision making.

Analysis of Project Effect and Determination of Significance:
Impact XI.a): **No Impact.** An example of a project that has the potential to divide an established community includes the construction of a new freeway or highway through an established neighborhood. The project proposes a new building and building addition on the portion of the project site east of Palomar Road where the existing pipe manufacturing facility is located. The project also proposes a storage area on the vacant portion of the project site west of Palomar Road. This vacant portion is a disturbed lot which is surrounded by developed lots on the north, east, and west sides. This area would serve to store products fabricated on the portion of the project site east of Palomar Road. The project does not propose any buildings that would hinder natural connection paths for people or communities. No impact would occur in this regard and no mitigation is required.

Impact XI.b): **Less Than Significant Impact.** The MGP Land Use Map depicts the City's land use designations and indicates the project site is designated Business Park (BP) 0.25 – 0.60 FAR. The City Zoning Map indicates the project site is zoned Manufacturing – Medium (M-M). The project proposes manufacturing uses, which are permitted in the BP land use designation and M-M zoning classification. Therefore, the project would be consistent with the applicable land use plans. Given that the General Plan EIR considered the potential environmental impacts associated with development of the project site assuming the BP land use designation, this project would not create any new or greater environmental impacts than those identified in the General Plan EIR.

Mitigation Measures: No mitigation is required.

| **XII. MINERAL RESOURCES --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | ❒ | ❒ | ❒ | ☒ |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | ❒ | ❒ | ❒ | ☒ |

Sources: Menifee General Plan; MGP Draft EIR Figure 5.11-1, "Mineral Resource Zones."

Applicable General Plan Policies:

Goal OSC-4: Efficient and environmentally appropriate use and management of energy and mineral resources to ensure their availability for future generations.

Policy OSC-4.4: Require that any future mining activities be in compliance with the State Mining Reclamation Act, federal and state environmental regulations, and local ordinances.

Policy OSC-4.5: Limit the impacts of mining operations on the City's natural open space, biological and scenic resources, and any adjacent land uses.

Analysis of Project Effect and Determination of Significance:
Impact XII.a-b): **No Impact.** There are no mineral extraction or process facilities on or near the project site. The nearest MRZ-1 area where available geological information indicates that little likelihood exists for the presence of significant minerals resources occurs is located approximately 2.0 miles west. No mineral resources are known to exist in the site's vicinity, and no known significant mineral resources have been designated in the City of Menifee.[iii] Therefore, the project would not impact mineral resources.

Mitigation Measures: No mitigation is required.

| **XIII. NOISE --** Would the project result in: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards | ❒ | ❒ | ☒ | ❒ |

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

Sources: Menifee General Plan, Noise Element; MGP Draft EIR Figure 5.12-3, "Airport Noise Contours"; and Menifee Municipal Code (MMC).

Applicable General Plan Policies:

Goal N-1: Noise-sensitive land uses are protected from excessive noise and vibration exposure.

Policy N-1.1: Assess the compatibility of proposed land uses with the noise environment when preparing, revising, or reviewing development project applications.

Policy N-1.2: Require new projects to comply with the noise standards of local, regional, and state building code regulations, including but not limited to the City's Municipal Code, Title 24 of the California Code of Regulations, the California Green Building Code, and subdivision and development codes.

Policy N-1.3: Require noise abatement measures to enforce compliance with any applicable regulatory mechanisms, including building codes and subdivision and zoning regulations, and ensure that the recommended mitigation measures are implemented.

Policy N-1.7: Mitigate exterior and interior noises to the levels listed in the table below to the extent feasible, for stationary sources adjacent to sensitive receptors:

Policy N-1.8 Locate new development in areas where noise levels are appropriate for the proposed uses. Consider federal, state, and City noise standards and guidelines as a part of new development review.

Policy N-1.9: Limit the development of new noise-producing uses adjacent to noise-sensitive receptors and require that new noise-producing land be are designed with adequate noise abatement measures.

Policy N-1.10: Guide noise-tolerant land uses into areas irrevocably committed to land uses that are noise-producing, such as transportation corridors adjacent to the I-215 or within the projected noise contours of any adjacent airports.

Policy N-1.11: Discourage the siting of noise-sensitive uses in areas in excess of 65 dBA CNEL without appropriate mitigation.

Policy N-1.13: Require new development to minimize vibration impacts to adjacent uses during demolition and construction.

Goal N-2: Minimal Noise Spillover. Minimal noise spillover from noise-generating uses, such as agriculture, commercial, and industrial uses into adjoining noise-sensitive uses.

Analysis of Project Effect and Determination of Significance:
Impacts XIII.a-b): **Less Than Significant Impact.**

**SHORT-TERM CONSTRUCTION**

Site grading and preparation is anticipated to be negligible, because the site is leveled and minimal site preparation would be required. Site preparation would be limited to smoothing of portions of the site to allow for the proposed fire access road. Thus, project-generated construction noise would be minimal.

The construction of the proposed project would not require the use of substantial vibration inducing equipment or activities, such as pile drivers or blasting. The main sources of vibration impacts during construction of the project would be limited to trucks. The site is surrounded by industrial uses contiguous to the north, east and west and the railroad line to the south, and the nearest sensitive land uses/residential units are located 0.3 miles northwest. Therefore, noise and vibration impacts from construction would be less than significant.

**LONG-TERM OPERATIONS**

**Noise and Vibratory Impacts to Off-Site Receptors**

The project would develop a new building and building addition that would store materials that are currently being produced onsite and cover current manufacturing area. The existing project would move materials currently stored outdoors to indoors. Additionally, materials produced east of Palomar Road would be stored immediately west of Palomar Road within the westerly portion of the project site.

Because the project's operational noise impacts would be limited to storage and manufacturing activity that current take place on the project site and the project site is surrounded by planned or existing industrial uses, the potential impacts are anticipated to be negligible and a less than significant impact is anticipated.

Impact XIII.c): **No Impact.** The following airports/airstrips are located nearest the project site:

- Perris Valley Airport: at 2091 Goetz Road, Perris, approximately 5.0 miles to the northwest;
- Pines Airpark: at 32655 Flight Way, Winchester, approximately 8 miles to the southeast; and
- Skylark Field Airport: at 20701 Cereal St, Lake Elsinore, CA 92530, approximately 11 miles to the southwest.

The project site is not within the Perris Valley Airport Land Use Plan area and is not within 2.0 miles of any other public airport/public use airport or near a private airstrip. The March Air Reserve Base is located approximately ten (10) miles northwest of the project site and the project site is located within Airport Compatibility Zone E of the March Air Reserve Base/Inland Port Airport Influence Area and is not located within any mapped noise impact area of the March Air Reserve Base (per Figure 5.12-3 of the MGP). Therefore, the project is not anticipated to result in an airport-/airstrip-related excessive noise for people residing or working in the project area. No impact would occur in this regard.

Mitigation Measures: No mitigation is required.

| **XIV. POPULATION AND HOUSING --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | ❒ | ❒ | ❒ | ☒ |

| | | | | |
|---|---|---|---|---|
| b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? | ❒ | ❒ | ❒ | ☒ |

Sources: Menifee General Plan; U.S. Census Bureau, Annual Estimates of the Resident Population for Incorporated Places over 50,000; and State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties and the State — January 1, 2011-2018*. Sacramento, California, May 2018.

Analysis of Project Effect and Determination of Significance:
Impact XIV.a): **No Impact.** The City's current population is approximately 91,902 persons. The City's housing stock totaled 33,884 dwelling units (DU) with approximately 2.94 persons per household (PPH).

No land uses generating additional permanent employment or extension of roads capable of inducing direct/indirect population growth in the City are proposed. The project proposes the development of one new building, one building addition and additional storage area for the existing pipe manufacturing facility. The products proposed to be manufactured on the project site are already being produced onsite and are stored outdoors. The proposed building and building addition would not add additional employees.

The project does not propose any housing or habitable structures. Additionally, the project does not propose the extension of roads or infrastructure that would trigger population growth. No impact related to unplanned population growth would occur from project implementation.

Impact XIV.b): **No Impact.** There are no housing units or other structures on the project site; therefore, the project would not displace housing or people, or require construction of replacement housing elsewhere. No impact would occur in this regard and no mitigation is required.

Mitigation Measures: No mitigation is required.

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

Sources: Menifee General Plan Safety Element; Menifee Union School District, Romoland School District, and

Perris Union High School District websites.

Applicable General Plan Policies:

Goal S-4: A community that has effective fire mitigation and response measures in place, and as a result is minimally impacted by wildland and structure fires.

Policy S-4.1: Require fire-resistant building construction materials, the use of vegetation control methods, and other construction and fire prevention features to reduce the hazard of wildland fire.

Policy S-4.2: Ensure, to the maximum extent possible, that fire services, such as firefighting equipment and personnel, infrastructure, and response times, are adequate for all sections of the City.

Policy S-4.4: Review development proposals for impacts to fire facilities and compatibility with fire areas or mitigate.

Goal OSC-1: A comprehensive system of high-quality parks and recreation programs that meets the diverse needs of the community.

Policy OSC-1.7: Ensure that parks and recreational facilities are well-maintained by the responsible agency.

Analysis of Project Effect and Determination of Significance:

Impacts XV.a): **Less Than Significant Impact.** The Riverside County Fire Department (RCFD) provides fire protection and emergency medical response services for the City. RCFD Station No. 7, which is part of Battalion 13, is at 28349 Bradley Road, Sun City, approximately 2.5 miles southwest of the project site. The Riverside County Fire Department in cooperation with the California Department of Forestry and Fire Protection serves more than 1,360,000 residents and employs nearly 1,700 career and volunteer firefighters and 240 administrative support personnel.[iv]

No population growth is anticipated to occur from project implementation, because the project is limited to the development of one new building, a new building addition, and additional outdoor storage area. No habitable structures nor additional jobs would be created; therefore, the project is not anticipated to create a substantial direct or indirect need for additional fire station facilities. Therefore, project impacts concerning fire protection services would be less than significant and no mitigation is required.

Impacts XV.b): **Less Than Significant Impact.** The City of Menifee contracts with the Riverside County Sheriff (Sheriff) to provide police services for the City. Menifee-specific police services are coordinated out of the Sheriff's Perris office at 137 North Perris Boulevard approximately 4.75 miles northwest of the project site. In January 2013 the Perris Station was staffed with 138 sworn deputies and 30 classified employees, including 33 patrol and traffic officers assigned to patrol in Menifee. Average Sheriff response time to emergency calls is 7.28 minutes, and average response time for nonemergency calls is 49.58 minutes.[v]

The Riverside County Sheriff's Office provides a crime prevention program to Menifee, consisting of support to the Neighborhood Watch program in the City and officer visits to schools and churches with presentations on topics including drug education and personal safety.

Because no population growth would be associated with the project, it is not anticipated that the project would increase the demand for police protection (Sheriff) services to the project site. Additionally, if Sheriff services are required, the project would not have a significant impact on Sheriff response times, because the project site is within the Sheriff's existing service area. Therefore, project impacts concerning police protection services would be less than significant and no mitigation is required.

Impacts XV.c): **Less Than Significant Impact.** The project site is within jurisdiction of the Romoland School District and Perris Union High School District. The student population growth in the school district would not change as part of the project implementation, because no new permanent jobs would be created; thus, no new families nor students would move into the City.

Additionally, Assembly Bill (AB) 2926 passed in 1986 allows school districts to collect impact fees from developers of new residential and commercial/industrial building space. Senate Bill 50 and Proposition 1A, both of which passed in 1998, provided a comprehensive school facilities financing and reform program. The provisions of SB 50 prohibit local agencies from denying either legislative or adjudicative land use approvals on the basis that school facilities are inadequate and reinstates the school facility cap for legislative actions. According to Government Code Section 65996, the payment of development fees authorized by SB 50 are deemed to be full and complete school facilities mitigation. The Project would be required to pay mandated development fees for commercial/industrial buildings. Impacts would be less than significant.

Impact XV.d): **Less Than Significant Impact.** See Response XVI below.

Impact XV.e): **Less Than Significant Impact.** Due to the nature of the Project, no new residents would be generated that would be likely to impact or create a need for additional local parks or other public facilities. Therefore, impacts would be less than significant.

Mitigation Measures: No mitigation is required.

| **XVI. RECREATION** | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | ❒ | ❒ | ❒ | ☒ |
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? | ❒ | ❒ | ❒ | ☒ |

Sources: Menifee General Plan; and MGP Draft EIR.

Applicable General Plan Policies:

Goal OSC-1: A comprehensive system of high-quality parks and recreation programs that meets the diverse needs of the community.

Policy OSC-1.1: Provide parks and recreational programs to meet the varied needs of community residents, including children, youth, adults, seniors, and persons with disabilities, and make these facilities and services easily accessible and affordable to all users.

OSC-1.2: Require a minimum of five acres of public open space to be provided for every 1,000 City residents.

OSC-1.3: Locate and distribute parks and recreational facilities throughout the community so that most residents are within walking distance (one-half mile) of a public open space.

Analysis of Project Effect and Determination of Significance:

Impact XVI.a-b): **No Impact**. The Project is industrial in nature and would not introduce new residents to the area. While some of the existing employees associated with the project may use local recreation facilities, such use would be minor and insufficient to contribute to substantial physical deterioration of recreation facilities. Additionally, the project does not include recreational facilities, nor would it require the expansion of recreational facilities which might have an adverse physical effect on the environment because the project is industrial in nature and no new employees or residents are anticipated as part of the project. No impact would occur.

Mitigation Measures: No mitigation is required.

| **XVII. TRANSPORTATION --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities? | ❒ | ❒ | ☒ | ❒ |
| b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)? | ❒ | ❒ | ☒ | ❒ |
| c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | ❒ | ❒ | ❒ | ☒ |
| d) Result in inadequate emergency access? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan Circulation Element; Riverside County Transportation Commission, *2010 Riverside County Congestion Management Program* adopted March 10, 2010*;* Riverside Transit Agency. *2010 Annual Report Ride Guides and System Map*; and Forterra Pipe Manufacturing Facility Trip Generation Assessment.

Applicable General Plan Policies:

Goal C-1: A roadway network that meets the circulation needs of all residents, employees, and visitors to the City of Menifee.

Policy C-1.1: Require roadways to:

- Comply with federal, state and local design and safety standards.
- Meet the needs of multiple transportation modes and users.
- Be compatible with the streetscape and surrounding land uses.
- Be maintained in accordance with best practices.

Policy C-1.2: Require development to mitigate its traffic impacts and achieve a peak hour Level of Service (LOS) D or better at intersections, except at constrained intersections at close proximity to the I-215 where LOS E may be permitted.

Policy C-1.5: Minimize idling times and vehicle miles traveled to conserve resources, protect air quality, and limit greenhouse gas emissions.

Goal C-2: A bikeway and community pedestrian network that facilitates and encourages nonmotorized travel throughout the City of Menifee.

Policy C-2.1: Require on- and off-street pathways to:

- Comply with federal, state and local design and safety standards.
- Meet the needs of multiple types of users (families, commuters, recreational beginners, exercise experts) and meet ADA standards and guidelines.
- Be compatible with the streetscape and surrounding land uses.
- Be maintained in accordance with best practices.

Policy C-2.2: Provide off-street multipurpose trails and on-street bike lanes as our primary paths of citywide travel and explore the shared use of low-speed roadways for connectivity wherever it is safe to do so.

Policy C-2.4: Explore opportunities to expand the pedestrian and bicycle networks; this includes consideration of utility easements, drainage corridors, road rights-of-way and other potential options.

Goal C-3: A public transit system that is a viable alternative to automobile travel and meets basic transportation needs of the transit dependent.

Policy C-3.2: Require new development to provide transit facilities, such as bus shelters, transit bays, and turnouts, as necessary.

Analysis of Project Effect and Determination of Significance:

Impact XVII.a): **Less Than Significant Impact**. A trip generation assessment was prepared by Urban Crossroads in April 2017. According to the 2017 Urban Crossroad trip generation assessment, the proposed project is consistent with the project site's land use designation of Business Park (BP) and zoning classification of Medium Manufacturing (M-M) and is not anticipated to generate any additional traffic from the concrete batching operation and additional storage capacity. As such, further detailed traffic evaluation (e.g., traffic study), in addition to the 2017 trip generation assessment, is not required based on the proposed project. Similarly, no additional impacts, not already previously anticipated, would occur as part of the proposed project.

The Project would be required to comply with any applicable traffic and circulation regulation set forth by the City. Any project-associated traffic would utilize Interstate 215 (I-215) and California Highway 74 (identified as a local truck route) in the Potential Truck Routes, Exhibit C-7 in the General Plan. Additionally, Exhibit C-4, Proposed Bikeway and Community Pedestrian Network of the General Plan identifies Palomar Road as a Class III Bike Route and Menifee Road east of Palomar Road as a Class II Bike Lane and west of Palomar Road as a Class I Bike Lane. The proposed project will provide sufficient rights-of-way to accommodate these facilities. However, the Class I Bike Lane west of Palomar Road would be installed by others in the future, since it was determined by the Community Services Department to be located on the south side of Menifee Road. The project would increase pedestrian access on Palomar Road with the implementation of sidewalk on Palomar Road and Matthews Road and the previously mentioned bike lanes/routes.

Construction work would consist on onsite and offsite improvements, However, Palomar Road and Matthews Road are not anticipated to be impacted from construction activities. Construction work in the street associated with the project would be limited to minor roadway improvements that will be limited to nominal potential traffic diversion. A traffic control plan, which is a standard condition of approval, will be required to be submitted and approved by the Engineering and Public Works Department and will limit circulation impacts during project construction.

With adherence to any relevant circulation regulations, the Project would have a less than significant impact on circulation policies.

Impacts XVII.b): **Less Than Significant Impact**. CEQA Guidelines Section 15064.3 contains several subdivisions. In brief, these Guidelines provide that transportation impacts of projects are, in general, best measured by evaluating the project's vehicle miles traveled (VMT). Methodologies for evaluating such impacts are already in use for most land use projects, as well as many transit and active transportation projects. Methods for evaluating VMT for roadway capacity projects continue to evolve, however, and so these Guidelines recognize a lead agency's discretion to analyze such projects, provided such analysis is consistent with CEQA and applicable planning requirements.

Section 15064.3(b) Criteria for Analyzing Transportation Impacts states the following:

> (2) Land Use Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant transportation impact.

The Project is immediately adjacent to an existing transit (bus) stop along an existing high-quality transit corridor; however, because the project would not create any new jobs and no new employees are anticipated, the close proximity to the transit stop located on the corner of Menifee Road and Highway 74 would not make a difference to the overall project impact related to traffic. Additionally, as discussed above in Impact XVII a), a trip generation assessment was prepared for the proposed project in 2017 which found no significant impact from project implementation due to traffic. The project would generate a nominal increase in traffic and is not anticipated to exceed adopted thresholds for LOS. As such, less than significant impacts would occur.

Impact XVII.c): **No Impact.** The proposed project does not include the use of any incompatible vehicles or equipment on site, such as farm equipment. The project would not provide any offsite roadway improvements that could substantially increase hazards due to a design feature. The project would be compatible with the surrounding uses. All on-site and site-adjacent improvements would be constructed as approved by the City of Menifee Engineering/Public Works Department. Sight distance at project access points would comply with applicable City of Menifee sight distance standards. Therefore, no impact would occur in this regard and no mitigation is required.

Impact XVII.d): **Less Than Significant Impact.** The Project provides one 30-foot driveway/fire access road on Palomar Road. Project design features and ingress and egress are developed to comply with all relevant emergency regulations. Additionally, construction of the proposed Project is not expected to require road closures or otherwise adversely affect emergency access around the site perimeter.

As a standard practice, if road closures (complete or partial) were necessary, the Police and Fire Departments would be notified of the construction schedule and any required detours would allow emergency vehicles to use alternate routes for emergency response. The impact on emergency access would be less than significant.

Mitigation Measures: No mitigation is required.

| XVIII. TRIBAL & CULTURAL RESOURCES | Potentially Significant Impact | Less Than Significant with Mitigation Incorporated | Less Than Significant Impact | No Impact |
|---|---|---|---|---|
| Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a Cultural Native American tribe, and that is: | | | | |
| a) Listed or eligible for listing in the California Register of Historical resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or | ❒ | ❒ | ☒ | ❒ |
| b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan; MGP Draft EIR; Riverside County Land Information System.

Applicable General Plan Policies:

Goal OSC-5: Archaeological, historical, and cultural resources that are protected and integrated into the City's built environment.

Policy OSC-5.1: Preserve and protect significant archeological, historic, and cultural sites, places, districts, structures, landforms, objects and native burial sites, and other features, such as Ringing Rock and Grandmother Oak, consistent with state law.

Policy OSC-5.2: Work with local schools, organizations, the Pechanga Band of Luiseño Indians, Soboba Band of Luiseño Indians, and other agencies to educate the public about the rich archeological, historic, and cultural resources found in the City.

Policy OSC-5.3: Preserve sacred sites identified by the Pechanga Band of Luiseno Indians and Soboba Band of Luiseno Indians, such as tribal burial grounds, by avoiding activities that would negatively impact the sites.

Policy OSC-5.4: Enhance local interest, pride, and sense of place for City residents by making locally recovered artifacts more easily accessible to students, researchers, and the interested public.

Policy OSC-5.5: Establish clear and responsible practices to identify, evaluate, and protect previously unknown archeological, historic, and cultural sites, following CEQA and NEPA procedure.

Policy OSC-5.6: Maintain active communication and coordination with the Pechanga Band of Luiseño Indians and Soboba Band of Luiseño Indians.

Analysis of Project Effect and Determination of Significance:

Impact XVIII.a-b): **Less Than Significant Impact**. The project is not proposing grading at the storage area (west side of Palomar Road). The project is only minimally smoothing out areas for the Fire access lane. And on the east side of Palomar Road is an existing developed site. Minimal amount of earth moving will occur for the total project. Because the project is not proposing grading or significant excavation activities, it is not anticipated that the project would impact tribal or cultural resources.

In addition, as previously mentioned in Section V.b above, Standard Conditions (SC)-CUL-1 through SC-CUL-4 shall be implemented to reduce potentially significant impacts to previously undiscovered archaeological resources that may be accidentally encountered during Project implementation to a less than significant level. SC-CUL-1 requires that in the unlikely event that human remains are uncovered the contractor is required to halt work in the immediate area of the find and to notify the County Coroner, in accordance with Health and Safety Code § 7050.5, who must then determine whether the remains are of forensic interest. If the Coroner, with the aid of a supervising archaeologist, determines that the remains are or appear to be of a Native American, he/she must contact the Native American Heritage Commission for further investigations and proper recovery of such remains, if necessary. SC-CUL-2 requires non-disclosure of Native American human remains. SC-CUL-3 pertains to procedures required due to any inadvertent finds during ground disturbance activities. SC-CUL-4 pertains to procedures for final disposition of inadvertent discoveries requires that the archaeological monitor prepare a final report at the conclusion of archaeological monitoring.

Based on the City's prior experience with and written request from potentially interested Tribes, AB 52 Notices were sent to the following four (4) Tribes on October 2, 2018

- Agua Caliente Band of Cahuilla Indians;
- Pechanga Band of Luiseño Mission Indians;
- Rincon Band of Luiseño Indians; and
- Soboba Band of Luiseño Indians.

A response was received from the Soboba Band of Luiseño Mission Indians dated November 28, 2018, requesting formal consultation. No other tribes requested consultation. The City met with the Soboba Band on April 18, 2019 to discuss the project. The City conducted follow-up correspondence with Soboba Bands on April 18, 2019 and then met again with the Soboba Band on July 23, 2019.

Based on these meetings, standard conditions of approval SC-CUL-1 through SC-CUL-4 were added (see Cultural Resources discussion, above). No tribal monitoring was included per the Soboba Band. At the July 23, 2019, the Soboba Band representative stated that with inclusion of these standard conditions the AB 52 consultation could be concluded.

Following compliance with the standard conditions specified above, the project's potential impacts concerning the significance of an archaeological and tribal resource would be less than significant.

Mitigation Measures: No mitigation is required.

| **XIX. UTILITIES AND SERVICE SYSTEMS --** Would the project: | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Require or result in the relocation or construction of new or expanded water, wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? | ❒ | ❒ | ☒ | ❒ |
| b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years? | ❒ | ❒ | ☒ | ❒ |
| c) Result in a determination by the wastewater treatment | ❒ | ❒ | ☒ | ❒ |

| | | | | |
|---|---|---|---|---|
| provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | | | | |
| d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? | ❒ | ❒ | ☒ | ❒ |
| e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan; MGP Draft EIR; Menifee Municipal Code; EMWD 2015 UWMP, and CalRecycle.

Applicable General Plan Policies:

Goal LU-3: A full range of public utilities and related services that provide for the immediate and long-term needs of the community.

Policy LU-3.1: Work with utility providers in the planning, designing, and siting of distribution and support facilities to comply with the standards of the General Plan and Development Code.

Policy LU-3.2: Work with utility providers to increase service capacity as demand increases.

Policy LU-3.3: Coordinate public infrastructure improvements through the City's Capital Improvement Program.

Policy LU-3.4: Require that approval of new development be contingent upon the project's ability to secure appropriate infrastructure services.

Policy LU-3.5: Facilitate the shared use of right-of-way, transmission corridors, and other appropriate measures to minimize the visual impact of utilities infrastructure throughout Menifee.

Goal OSC-7: A reliable and safe water supply that effectively meets current and future user demands.

Policy OSC-7.2: Encourage water conservation as a means of preserving water resources.

Policy OSC-7.4: Encourage the use of reclaimed water for the irrigation of parks, golf courses, public landscaped areas, and other feasible applications as service becomes available from the Eastern Municipal Water District.

Policy OSC-7.5: Utilize a wastewater collection, treatment, and disposal system that adequately serves the existing and long-term needs of the community.

Policy OSC-7.7: Maintain and improve existing level of sewer service by improving infrastructure and repairing existing deficiencies.

Analysis of Project Effect and Determination of Significance:

Impact XIX.a **Less Than Significant Impacts.** The proposed project would not affect Regional Water Quality Control Board (RWQCB) treatment standards, because it would not increase wastewater production such that expansion of existing facilities or construction of new facilities would be required. The project would not require the relocation or construction of new or expanded water, wastewater treatment, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects. However, the project would implement storm water drainage (sewer) along Palomar Road and Matthews Road.

Anticipated utilities to be used onsite would be power (SoCal Edison), gas (Southern California Gas Company), water (Eastern Municipal Water District), and sewer (Eastern Municipal Water District). The

undergrounding of these utilities would not create or result in significant environmental effects. A less than significant impact would occur.

Impact XIX.b) **Less Than Significant Impact.** The Eastern Municipal Water District (EMWD) provides water service to the City of Menifee. EMWD has four sources of water supply: imported water from the Metropolitan Water District of Southern California (MWD), local groundwater, desalinated groundwater, and recycled water. State Water Code § 10910-10915 require the preparation of a Water Supply Assessment (WSA) demonstrating sufficient water supplies for any subdivision that involves the construction of more than 500 dwelling units, or the equivalent thereof. As the project is below the established thresholds, no WSA is required.

Under "normal year," "single dry year," and "multiple dry year" scenarios presented in the 2015 EMWD Urban Water Management Plan, supply would meet demand under the normal year, single dry year, and multiple dry year scenarios per Eastern Municipal Water District's 2015 Urban Water Management Plan. EMWD is able to respond to supply shortages through implementation of its Water Shortage Contingency Plan (WSCP) and MWD's Water Supply Allocation Plan (WSAP).

The project includes a new building and addition to an existing building for the storage and manufacture of concrete products (which are currently produced onsite, as well as additional outdoor storage area. Less than significant additional water usage is anticipated. Impacts would be less than significant.

Impact XIX.c) **Less Than Significant Impact.** Refer to Impact XIX.b). The project would not require the use of waste water treatment facilities. A less than significant impact would occur.

Impact XIX.d-e) **Less Than Significant Impact.** The proposed project would not generate solid waste either from construction or demolition activities. The project would be used for storage and manufacturing purposes for products currently developed onsite. The project would not conflict with federal, state, and local management regulations. A less than significant impact would occur.

Mitigation Measures: No mitigation is required.

| **XX. WILDFIRE-If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:** | **Potentially Significant Impact** | **Less Than Significant with Mitigation Incorporated** | **Less Than Significant Impact** | **No Impact** |
|---|---|---|---|---|
| a) Substantially impair an adopted emergency response plan or emergency evacuation plan? | ❒ | ❒ | ☒ | ❒ |
| b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire? | ❒ | ❒ | ☒ | ❒ |
| c) Require the installation or maintenance of associated infrastructure (such as roads, fuel, breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts the environment? | ❒ | ❒ | ☒ | ❒ |
| d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? | ❒ | ❒ | ☒ | ❒ |

Sources: Menifee General Plan, Exhibit S-6, "High Fire Hazard Areas," and Exhibit S-7, "Critical Facilities;" MGP Draft EIR; California Department of Forestry and Fire Protection (CAL FIRE) Website - Riverside County City Fire Hazard Severity Zone Maps.

Applicable General Plan Policies:

Policy S-5.2: Ensure that the fire department can continue to respond safely and effectively to a hazardous materials incident in the City, whether it is a spill at a permitted facility, or the result of an accident along a section of the freeway or railroads that extend across the City.

Policy S-5.5: Require facilities that handle hazardous materials to implement mitigation measures that reduce the risks associated with hazardous material production, storage, and disposal.

Goal S-6: A City that responds and recovers in an effective and timely manner from natural disasters such as flooding, fire, and earthquakes, and as a result is not impacted by civil unrest that may occur following a natural disaster.

Policy S-6.1: Continuously review, update, and implement emergency preparedness, response, and recovery plans that make the best use of the City- and county-specific emergency management resources available.

Analysis of Project Effect and Determination of Significance:

Impacts XX.a-b: **Less Than Significant Impact.** See Response IX.g

Impact XX.c: **Less Than Significant Impact.** The project includes standard infrastructure, including fire access roadway, utilities, and fire suppression systems. All of this infrastructure is designed to reduce the risk of fire. Following compliance with the established local and state regulatory framework discussed above, the project would not expose people or structures to a significant risk involving wildland fires and impacts would be less than significant in this regard.

Impact XX.d: **Less Than Significant Impact.** Due to the relatively flat nature of the property, and lack of evidence of existing landslides or slope instability, the potential for slope failure and landslides is negligible. Grading for site development would not be required. Site preparation would be limited to the smoothing of the fire access road. As such, impacts would be less than significant in this regard.

Mitigation Measures: No mitigation is required.

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

Findings of Fact: **Less Than Significant Impact.** As discussed throughout the analyses contained in this

Initial Study, the project does not have the potential to degrade the quality of the environment or result in significant impacts to the environment that cannot be reduced to less than significant following compliance with the established regulatory framework (i.e., local, state, and federal regulations), project conditions of approval, and the recommended mitigation measures.

As concluded in Section IV, the project would not reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal following compliance with the recommended mitigation measures.

The City hereby finds that impacts concerning degradation of the environment and biological and cultural resources would be less than significant.

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

Findings of Fact: **Less Than Significant Impact.** The proposed project would result in significant impacts unless mitigated for the following environmental issues: biological resources. A Mitigation Monitoring Program has been prepared to reduce impacts to less than significant. City conditions of approval would also be imposed upon the project. Other development projects within the City would also be subject to these requirements, as appropriate

All other project impacts were determined either to have no impact or to be less than significant following compliance with the established regulatory framework and with standard conditions of approval, without the need for mitigation. Cumulatively, the proposed project would not result in any significant impacts that would substantially combine with impacts of other current or probable future impacts. Therefore, the proposed project, in conjunction with other future projects, would not result in any cumulatively considerable impacts and no mitigation is required.

Therefore, the City hereby finds that the project's contribution to cumulative impacts would be less than significant.

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

Findings of Fact: **Less Than Significant Impact.** Based on the analysis of the project's impacts in the responses to items I thru XX above, there is no indication that the project would result in substantial adverse effects on human beings. The analysis herein concludes that direct and indirect environmental effects would not require mitigation to reduce impacts to less than significant. Generally, the project's environmental effects would be less than significant. Based on the analysis in this Initial Study, the City finds that direct and indirect impacts to human beings would be less than significant.

## XVIII. EARLIER ANALYSES

Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration as per California Code of Regulations, Section 15063(c)(3)(D).

## XIX. REFERENCES


Urban Crossroads. 2018. Forterra Pipe Manufacturing Facility Focused Air Quality and Greenhouse Gas.

Urban Crossroads. 2018. Forterra Pipe Manufacturing Facility Trip Generation Assessment.

Hernandez Environmental Services. 2018. Biological Assessment and Western Riverside County MSHCP Consistently Analysis.

Grant Building Civil Engineering. 2019. Plot Plan 2018-199 West.

Grant Building Civil Engineering. 2019. Plot Plan 2018-199 East.

Grant Building Civil Engineering. 2019. CUP 2016-263.

ATC. 2018. Phase I Environmental Site Assessment.

City of Menifee General Plan and Draft General Plan EIR, Adopted December 2013.

Department of Conservation (DOC). 2019. California Important Farmland Finder. Available at https://maps.conservation.ca.gov/DLRP/CIFF/,

General Plan. Circulation Element, Exhibit C-6 - Scenic Highways.

Menifee Union School District. Website located at http://www.menifeeusd.org/. Accessed July 2019.

Riverside Transit Agency. *Ride Guides and System Maps*. Available online at http://www.riversidetransit.com/home/. Accessed July 2019.

Romoland School District. Website located at http://www.romoland.k12.ca.us/. Accessed July 2019.

South Coast Air Quality Management District, *CEQA Air Quality Handbook*, 1993.

Southern California Association of Governments, *Adopted 2012 Growth Forecast.* Available online at http://www.scag.ca.gov/forecast/index.htm. Accessed July 2019.

State of California, Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program. *Riverside County Important Farmland 2008, Sheet 1 of 3*, map published September 2009. Available online at: ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/pdf/2008/riv08_west.pdf. Accessed July 2019.

State of California, Department of Toxics Substances Control. EnviroStor database. Available online at: http://www.envirostor.dtsc.ca.gov/public/. Accessed July 2019.

State of California, Department of Toxics Substances Control. Cortese list of Hazardous Waste and Substances Sites database. Available online at: http://www.dtsc.ca.gov/SiteCleanup/Cortese_List.cfm. Accessed July 2019.

State of California, Department of Transportation, *California State Scenic Highway Mapping System.* Available online at: http://www.dot.ca.gov/hq/LandArch/scenic_highways/. Accessed July 2019.


[ii] Department of Toxic Substance Control. (2018). EnviroStor Database. https://www.envirostor.dtsc.ca.gov/public/map/?global_id=19490135, Accessed June 7, 2019.

[iii] City of Menifee General Plan Draft EIR. Figure 5.11-1, Mineral Resource Zones. December 2013.

[iv] Riverside County Fire Department in Cooperation with CAL Fire. 2014 Annual Report.

[v] City of Menifee General Plan Draft EIR. Public Services. December 2013.

**Appendix A**
**Phase I ESA**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**
**OF**

**VACANT LOT**
**26255 PALOMAR ROAD**
**MENIFEE, CALIFORNIA 92585**

**ATC PROJECT NO. 1011601349**

**OCTOBER 4, 2018**

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# 1.0 EXECUTIVE SUMMARY

## 1.1 General Information

**Project Information:**
Project No. 1011601349

**Site Information:**
Vacant Lot
26255 Palomar Road
Menifee, California 92585
Riverside County

**Consultant Information:**
ATC Group Services LLC
25 Cupania Circle
Monterey Park, California 91755
**Telephone:** (323) 517-9780
**Fax:** (737) 207-8260
**Reconnaissance Date:** September 26, 2018
**Site Assessor:** Ms. Victoria Rojo
**Senior Reviewer:** Ms. Gwen Reed
**Environmental Professional:** Ms. Victoria Rojo
Ms. Gwen Reed

**Site Access Contact:**
Mr. Ryan Wright
Sales Manager

**Client Information:**
Forterra Pipe & Precast LLC
11201 FM 529
Houston, Texas 77041
Telephone: (713) 466-6324

**Environmental Professional Statement:**
We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 part of 40 CFR 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Victoria Rojo, Staff Scientist
Site Assessor / Environmental Professional

Gwen Reed, Program Manager
Senior Reviewer / Environmental Professional

Todd Stanford, REHS, CEM Principal Scientist
Senior Reviewer / Environmental Professional

## 1.2 Findings and Conclusions Summary

ATC Group Services LLC (ATC) has performed this Phase I Environmental Site Assessment (ESA) of the property in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Standard Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.

| FINDINGS AND CONCLUSIONS SUMMARY | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Report Section** | | **Further Action?** | **De minimis Condition** | **REC and/or CREC** | **Historical REC** | **ASTM Non-Scope Condition** | **Description** |
| 4.0 | User Provided Information | No | | | | | |
| 5.1.1 | Federal Database Findings | No | | | | | |
| 5.1.2 | State and Tribal Database Findings | No | | | | | |
| 5.1.3 | Local Environmental Record Sources | No | | | | | |
| 5.3 | Historical Records Sources | No | | | | | See Note 1 |
| 6.2 | Hazardous Substance Use, Storage and Disposal | No | | | | | |
| 6.3 | Underground Storage Tanks | No | | | | | |
| 6.4 | Aboveground Storage Tanks | No | | | | | |
| 6.5 | Other Petroleum Products | No | | | | | |
| 6.6 | Polychlorinated Biphenyls (PCBs) | No | | | | | |
| 6.7 | Unidentified Substance Containers | No | | | | | |
| 6.8 | Nonhazardous Solid Waste | No | | | | | |
| 6.9 | Wastewater | No | | | | | |
| 6.10 | Waste Pits, Ponds and Lagoons | No | | | | | |
| 6.11 | Sumps | No | | | | | |
| 6.12 | Septic Systems | No | | | | | |
| 6.13 | Stormwater Management System | No | | | | | |
| 6.14 | Wells | No | | | | | |
| 7.0 | Subsurface Vapor Migration | No | | | | | |
| 8.0 | Interviews | No | | | | | |
| 9.1 | Asbestos-Containing Material (ACM) | No | | | | | |
| 9.2 | Radon | No | | | | | |
| 9.3 | Lead in Drinking Water | No | | | | | |
| 9.4 | Lead-Based Paint (LBP) | No | | | | | |
| 9.5 | Mold Screening | No | | | | | |
| 9.6 | Additional User Requested Services | No | | | | | |

**Note 1**: Based on the review of historical information, the property was utilized for agricultural purposes from at least 1938 until as recently as 1985. It is possible that pesticides and/or herbicides were historically applied to surficial or near surface soil during the agricultural use of the property. The potential presence of relatively low concentrations of residual pesticides and/or herbicides is not expected to adversely impact the future use or development of the property. However, in the event that the future development of the property is to include sensitive land uses such as a school or day care center, consideration should be given to collecting soil samples for analysis of residual pesticides or herbicides.

### 1.3 Significant Data Gap Summary

Data gaps may have been encountered during the performance of this Phase I ESA and are discussed within the section of the report where they were encountered. However, according to ASTM Standard Practice E1527-13, data gaps are only significant if "other information and/or professional experience raise reasonable concerns involving the data gap." The following is a summary of *significant data gaps* identified in this report.

| SIGNIFICANT DATA GAP SUMMARY | | |
|---|---|---|
| **Report Section** | | **Description** |
| **3.5** | **Current Uses of Adjoining Properties** | No *significant data gap* identified. |
| **4.2** | **Environmental Liens or Activity and Use Limitations (AULs)** | No *significant data gap* identified. |
| **5.1** | **Standard Environmental Records** | No *significant data gap* identified. |
| **5.2** | **Physical Setting Sources** | No *significant data gap* identified. |
| **5.3** | **Historical Records Sources** | No *significant data gap* identified. |
| **6.1** | **Methodology and Limiting Conditions** | No *significant data gap* identified. |
| **7.0** | **Interviews** | No *significant data gap* identified. |

### 1.4 Recommendations

Based on information collected from the Phase I ESA, ATC offers no recommendations for further action. However, given the historical use of the subject property for agricultural purposes, it is possible that pesticides and/or herbicides were historically applied to the surficial or near surface soil. The potential presence of relatively low concentrations of residual pesticides and/or herbicides is not expected to adversely impact the future use or development of the property. In the event that the future development of the subject property is to include sensitive land uses such as a school or day care center, consideration should be given to collecting soil samples for analysis of residual pesticides or herbicides.

# 2.0 INTRODUCTION

## 2.1 Purpose

The purpose of this Phase I ESA was to identify *recognized environmental conditions* in connection with the property at the time of the site reconnaissance. The scope of work for this Phase I ESA may also include certain potential environmental conditions beyond the scope of ASTM Standard Practice E1527-13 as listed below. This report documents the findings, opinions and conclusions of the Phase I ESA.

## 2.2 Scope

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice E1527-13, consistent with a level of care and skill ordinarily practiced by the environmental consulting profession currently providing similar services under similar circumstances. Significant additions, deletions or exceptions to ASTM Standard Practice E1527-13 are noted below or in the corresponding sections of this report. The scope of this assessment included an evaluation of the following:

- Physical setting characteristics of the property through a review of referenced sources such as topographic maps and geologic, soils and hydrologic reports.
- Usage of the property, adjoining properties and surrounding area through a review of referenced historical sources such as land title records, fire insurance maps, city directories, aerial photographs, prior reports and interviews.
- Observations and interviews regarding current property usage and conditions including: the use, treatment, storage, disposal or generation of hazardous substances, petroleum products, hazardous wastes, nonhazardous solid wastes and wastewater.
- Usage of adjoining and surrounding area properties and the likely impact of known or suspected releases of hazardous substances or petroleum products from those properties in, on or at the property.
- Information in referenced environmental agency databases and local environmental records, within the specified approximate minimum search distance from the property.
- Potential for subsurface vapor migration in, on or at the property as described in Section 7.0.

The scope of the assessment also included consideration of the following potential environmental issues or conditions that are beyond the scope of ASTM Standard Practice E1527-13:

- Radon document review, consisting of the review of published radon data with regard to the potential for elevated levels of radon gas in the surrounding area of the property. No radon sampling was conducted.
- Lead in drinking water data review, consisting of contacting the water supplier for information regarding whether or not the potable water provided to the property meets the drinking water standards for lead.
- Wetlands document review, consisting of a review of a current National Wetlands Inventory map of the surrounding area to note if the property is identified as having a wetland.
- Flood plain document review, consisting of a review of a reasonably ascertainable flood plain map of the surrounding area to note if the property is identified as being located within a flood plain.

## 2.3 Significant Assumption

The assumptions in this report were not considered as having significant impact on the determination of *recognized environmental conditions* associated with the property.

## 2.4 Limitations and Exceptions

ATC Group Services LLC has prepared this Phase I ESA report using reasonable efforts to identify *recognized environmental conditions* associated with hazardous substances or petroleum products in, on or at the property. Findings contained within this report are based on information collected from observations made on the day(s) of the site reconnaissance and from reasonably ascertainable information obtained from certain public agencies and other referenced sources.

The ASTM Standard Practice E1527-13 recognizes inherent limitations for Phase I ESAs, including, but not limited to:

- *Uncertainty Not Eliminated* – A Phase I ESA cannot completely eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with any property.
- *Not Exhaustive* – A Phase I ESA is not an exhaustive investigation of the property and environmental conditions on such property.
- *Past Uses of the Property* – Phase I requirements only require review of standard historical sources at five year intervals. Therefore, past uses of property at less than five year intervals may not be discovered.

Users of this report may refer to ASTM Standard Practice E1527-13 for further information regarding these and other limitations. This report is not definitive and should not be assumed to be a complete and/or specific definition of all conditions above or below grade. Current subsurface conditions may differ from the conditions determined by surface observations, interviews and reviews of historical sources. The most reliable method of evaluating subsurface conditions is through intrusive techniques, which are beyond the scope of this report. Information in this report is not intended to be used as a construction document and should not be used for demolition, renovation, or other property construction purposes. Any use of this report by any party, beyond the scope and intent of the original parties, shall be at the sole risk and expense of such user.

ATC makes no representation or warranty that the past or current operations at the property are, or have been, in compliance with all applicable federal, state and local laws, regulations and codes. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this report, ATC is not responsible for consequences or conditions arising from facts not fully disclosed to ATC during the assessment.

An independent data research company provided the government agency database referenced in this report. Information on surrounding area properties was requested for approximate minimum search distances and is assumed to be correct and complete unless obviously contradicted by ATC's observations or other credible referenced sources reviewed during the assessment. ATC shall not be liable for any such database firm's failure to make relevant files or documents properly available, to properly index files, or otherwise to fail to maintain or produce accurate or complete records.

ATC makes no warranty, guarantee or certification regarding the quality, accuracy or reliability of any prior report provided to ATC (and not prepared by ATC/ATC Associates Inc.) and discussed in this Phase I ESA report. ATC expressly disclaims any and all liability for any errors or omissions contained in any prior

reports provided to ATC (and not prepared by ATC/ATC Associates Inc.) and discussed in this Phase I ESA report.

ATC used reasonable efforts to identify evidence of aboveground and underground storage tanks and ancillary equipment on the property during the assessment. "Reasonable efforts" were limited to observation of accessible areas, review of referenced public records and interviews. These reasonable efforts may not identify subsurface equipment or evidence hidden from view by things including, but not limited to, snow cover, paving, construction activities, stored materials and landscaping.

Any estimates of costs or quantities in this report are approximations for commercial real estate transaction due diligence purposes and are based on the findings, opinions and conclusions of this assessment, which are limited by the scope of the assessment, schedule demands, cost constraints, accessibility limitations and other factors associated with performing the Phase I ESA. Subsequent determinations of costs or quantities may vary from the estimates in this report. The estimated costs or quantities in this report are not intended to be used for financial disclosure related to the Financial Accounting Standards Board (FASB) Statement No. 143, FASB Interpretation No. 47, Sarbanes/Oxley Act or any United States Securities and Exchange Commission reporting obligations, and may not be used for such purposes in any form without the express written permission of ATC.

ATC is not a professional title insurance or land surveyor firm and makes no guarantee, express or implied, that any land title records acquired or reviewed in this report, or any physical descriptions or depictions of the property in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

The Environmental Professional Statement in Section 1.1 of this report does not "certify" the findings contained in this report and is not a legal opinion of such *Environmental Professional*. The statement is intended to document ATC's opinion that an individual meeting the qualifications of an Environmental Professional was involved in the performance of the assessment and that the activities performed by, or under the supervision of, the *Environmental Professional* were performed in conformance with the standards and practices set forth in 40 CFR Part 312 per the methodology in ASTM Standard Practice E1527-13 and the scope of work for this assessment.

Per ASTM Standard Practice E1527-13, Section 6, User Responsibilities, the User of this assessment has specific obligations for performing tasks during this assessment that will help identify the possibility of *recognized environmental conditions* in connection with the property. Failure by the User to fully comply with the requirements may impact their ability to use this report to help qualify for *Landowner Liability Protections* (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). ATC makes no representations or warranties regarding a User's qualification for protection under any federal, state or local laws, rules or regulations.

In accordance with the ASTM Standard Practice E1527-13, this report is presumed to be valid for a six month period. If the report is older than six months, the following information must be updated in order for the report to be valid: (1) regulatory review, (2) site visit, (3) interviews, (4) specialized knowledge and (5) environmental liens search. Reports older than one year may not meet the ASTM Standard PracticE1527-13 and therefore, the entire report must be updated to reflect current conditions and property-specific information.

Other limitations and exceptions that are specific to the scope of this report may be found in corresponding sections.

### 2.5 Special Terms and Conditions (User Reliance)

This report is for the use and benefit of, and may be relied upon by Forterra Pipe & Precast LLC and third parties authorized in writing by Forterra Pipe & Precast LLC and ATC, including the lender(s) in

connection with a secured financing of the property, and their respective successors and assigns. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of ATC, is at the sole risk and expense of such third party.

ATC makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either express or implied. Unless otherwise agreed upon in writing by ATC and a third party, ATC's liability to any third party authorized to use or rely on this report with respect to any acts or omissions shall not exceed the amounts recoverable from the insurance limits.

# 3.0 SITE DESCRIPTION

## 3.1 Location and Legal Description

The property consists of an irregularly-shaped parcel, approximately 3.4 acres in area, located at the northwestern corner of Palomar Road and Matthews Road in Menifee, Riverside County, California. A Site Vicinity Map is provided in Appendix A and a Site Plan is located in Appendix B. A photograph log is provided in Appendix C. According to information obtained from the Riverside County Assessor's Office, the property is identified with Assessor's Parcel Number (APN) 331-190-046. The legal description is provided in the Lien and AUL report, a copy of which is included in Appendix L.

## 3.2 Surrounding Area General Characteristics

The area surrounding the property includes a combination of developed commercial properties and vacant, undeveloped land. A railroad right-of-way runs south of the property along Matthews Road. Specific adjacent property uses are discussed in Section 3.5.

## 3.3 Current Use of the Property

The property is an approximately 3.4-acre parcel and currently exists as an unimproved lot that appears to have been recently cleared of vegetation. An approximately 15' x 20' x 6' debris pile, consisting primarily of soil, shrubs, and minor quantities of trash, was observed at the northwestern corner of the property. A fire hydrant was located near the southwestern corner of the property. A second fire hydrant and telecommunications box was observed along the eastern property boundary and a large pipe labeled "backflow preventer" was observed along the southern property boundary. A chain-link fence encloses the property with an access gate located off Palomar Road.

## 3.4 Description of Property Improvements

The following table provides general descriptions of the property improvements.

| PROPERTY IMPROVEMENTS | |
|---|---|
| **Size of Property (approximate)** | 3.4-acre lot |
| **General Topography of Property** | Slopes to the southwest |
| **Adjoining and/or Access/Egress Roads** | Palomar Road and Matthews Road are located adjacent to the east and south of the property, respectively. |
| **Paved or Concrete Areas (including parking)** | None |
| **Unimproved Areas** | Entire property |
| **Landscaped Areas** | None |
| **Surface Water** | None |
| **Potable Water Source** | Eastern Municipal Water District (EMWD) |
| **Sanitary Sewer Utility** | EMWD |
| **Storm Sewer Utility** | Riverside County Flood Control District |
| **Electrical Utility** | Southern California Edison (SCE) |
| **Natural Gas Utility** | Southern California Gas |
| **Current Occupancy Status** | Unoccupied |
| **Unoccupied Buildings/Spaces/Structures** | None |
| **Number of Occupied Buildings** | None |
| **Building Name or General Building Description** | Not Applicable (N/A) |
| **Number of Floors** | N/A |
| **Total Square Feet of Space (approximate)** | N/A |
| **Construction Completion Date (year)** | N/A |
| **Construction Type** | N/A |

| PROPERTY IMPROVEMENTS | |
|---|---|
| **Interior Finishes Description** | N/A |
| **Exterior Finishes Description** | N/A |
| **Cooling System Type** | N/A |
| **Heating System Type** | N/A |
| **Emergency Power** | N/A |

### 3.5 Current Uses of Adjoining Properties

Current uses of the adjoining properties were observed to be as follows:

**North-** Adjacent to the north are commercial /office buildings occupied by Miller Jones Mortuary and Crematory/ West Coast Cremation (26245 Palomar Road), beyond which is undeveloped land.

**East-** Adjacent to the east is Palomar Road, beyond which are a large commercial property and associated storage yard occupied by Whited Cemetery Services (26250 Palomar Road) and another large commercial property and associated storage yard occupied by Forterra (26380 Palomar Road).

**Southeast-** Adjacent to the southeast is the intersection of Matthews Road and Palomar Road, beyond which are a railroad right-of-way and a commercial property that was formerly occupied by Decorative Concrete but currently appears vacant (26240 Palomar Road).

**South-** Adjacent to the south is Matthews Road, beyond which are a railroad right-of-way and undeveloped land.

**Southwest-** Adjacent to the southwest is Matthews Road, beyond which are a railroad right-of-way and undeveloped land.

**West -** Adjacent to the west is a commercial warehouse/office building occupied by Block Graphics (28401 Matthews Road), beyond which is undeveloped land.

Please refer to Sections 5.1.1 and 5.1.2 for information regarding the listing of the adjacent properties on the federal and/or state and local agency databases researched.

# 4.0 USER PROVIDED INFORMATION

The following section summarizes information (if any) provided by Forterra Pipe & Precast LLC (User) with regard to the Phase I ESA. Documentation may be found in Appendix D or where referenced in this report.

## 4.1 Title Records

The User provided no title records information.

## 4.2 Environmental Liens or Activity and Use Limitations (AULs)

The User provided no information regarding property environmental liens or activity and use limitations (AULs). ATC contracted Environmental Data Resources, Inc. (EDR) to perform an environmental lien search for the property. According to the lien search report, no environmental liens or AULs (such as engineering controls, land use restrictions or institutional controls) were identified for the property. The grant deed included in the lien search report identifies Romoland Investors LP as the current owner. The review of the environmental lien and AUL search did not identify past uses indicating *recognized environmental conditions* in connection with the property.

## 4.3 Specialized Knowledge or Experience of the User

The User provided no specialized knowledge regarding *recognized environmental conditions* associated with the property.

## 4.4 Significant Valuation Reduction for Environmental Issues

The User provided no information regarding a significant valuation reduction for environmental issues associated with the property.

## 4.5 Owner, Property Manager and Occupant Information

The User provided no information regarding an owner or property manager. The property was identified as unimproved/unoccupied.

## 4.6 Reason for Performing Phase I ESA

According to information provided by the User, this Phase I ESA will be used in connection with a commercial real estate transaction to identify *recognized environmental conditions* associated with the property.

## 4.7 Other User Provided Documents

The User provided no other documents as described in the ASTM Standard Practice E 1527-13.

# 5.0 RECORDS REVIEW

## 5.1 Standard Environmental Records

The regulatory agency database report discussed in this section, provided by EDR of Shelton, Connecticut, was reviewed for information regarding reported use or release of hazardous substances and petroleum products on or near the property. Unless otherwise noted, the information provided by the regulatory agency database report and other sources referenced in this report, were considered sufficient for *recognized environmental condition (REC)*, *controlled recognized environmental condition (CREC)*, *historical recognized environmental condition (HREC)* or *de minimis condition* determinations without conducting supplemental agency file reviews. ATC also reviewed the "unmappable" (also referred to as "orphan") listings within the database report, cross-referencing available address information and facility names. Unmappable sites are listings that could not be plotted with confidence, but are potentially in the general area of the property, based on the partial street address, city, or zip code. Any unmappable site that was identified by ATC as being within the approximate minimum search distance from the property, based on the site reconnaissance and/or cross-referencing to mapped listings is included in the discussion within this section. The complete regulatory agency database report may be found in Appendix E.

The following is a summary of the findings of the database review.

| SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS | | | |
|---|---|---|---|
| **Regulatory Database** | **Approx. Minimum Search Distance** | **Property Listed?** | **# Sites Listed** |
| Federal National Priority List (NPL) | 1 mile | No | 0 |
| Federal Delisted NPL | ½ mile | No | 0 |
| Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list | ½ mile | No | 0 |
| Federal CERCLIS No Further Remedial Action Planned (NFRAP) | ½ mile | No | 0 |
| Federal Resource Conservation and Recovery Act (RCRA) Corrective Action facilities (CORRACTS) | 1 mile | No | 0 |
| Federal RCRIS non- CORRACTS Treatment, Storage, and Disposal Facilities (TSDF) | ½ mile | No | 0 |
| Federal RCRA Generators (Including RCRA NonGen / NLR) | Property & Adjoining | No | 1 |
| Federal Institutional Control/Engineering Control Registry | Property | No | 0 |
| Federal Emergency Response Notification System (ERNS) list | Property | No | 0 |
| State and Tribal NPL (RESPONSE) | 1 mile | No | 0 |
| State and Tribal CERCLIS (ENVIROSTOR) | ½ mile | No | 1 |
| State and Tribal Landfill or Solid Waste Disposal Sites | ½ mile | No | 2 |
| State and Tribal Leaking Underground Storage Tanks (LUST) | ½ mile | No | 0 |
| California Spills, Leaks, and Incident Clean-Ups (CA SLIC) | ½ mile | No | 0 |
| State and Tribal Registered Aboveground Storage Tanks (AST) | Property & Adjoining | No | 0 |
| State and Tribal Registered Underground Storage Tanks (UST) | Property & Adjoining | No | 0 |
| Historical UST (HIST UST) list | Property & Adjoining | No | 0 |
| California Facility Inventory Database (CA FID UST) | Property & Adjoining | No | 0 |
| Statewide Environmental Evaluation and Planning System (SWEEPS UST) | Property & Adjoining | No | 0 |

| SUMMARY OF FEDERAL, STATE AND TRIBAL DATABASE FINDINGS | | | |
|---|---|---|---|
| **Regulatory Database** | **Approx. Minimum Search Distance** | **Property Listed?** | **# Sites Listed** |
| State and Tribal Institutional Control/Engineering Control Registry | Property | No | 0 |
| State and Tribal Voluntary Cleanup Site | ½ mile | No | 0 |
| Facility and Manifest Data (HAZNET) | Property | No | 0 |
| HIST CORTESE | ½ mile | No | 0 |
| DRYCLEANERS | ¼ mile | No | 0 |
| Hist Auto Stat | ¼ mile | No | 0 |
| Hist Cleaners | ¼ mile | No | 0 |

### 5.1.1 Federal Agency Database Findings

The property was not identified on the federal databases reviewed for this assessment. However, listings with a known or significant potential for release and impact on the property were identified in the federal agency databases searched, as follows. The facilities are also listed on state databases, which will be discussed herein and not repeated within Section 5.1.2.

Block Graphics
28401 Matthews Road
Romoland, California 92585
**Databases**: RCRA-SQG, HAZNET, FINDS, ECHO
**Approximate Distance from the Property**: Adjacent to the west
**Assumed Groundwater Gradient**: Downgradient
**Regulatory Data Summary**: Block Graphics was identified as a Resource Conservation and Recovery Act small-quantity generator (RCRA-SQG) since 2000. According to the database report, this site is defined as a handler, generating more than 100 and less than 1,000 kilograms (kg) of hazardous waste during any calendar month and accumulates less than 6,000 kg of hazardous waste at any time or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1,000 kg of hazardous waste at any time. The types of generated waste were identified as ignitable hazardous waste, off-specification, aged or surplus inorganics, and photo chemicals/photo processing waste. According to a summary of the handler activities, no violations were found. The facility's listing on the FINDS database is likely for its identification as a RCRA facility. The Environmental Compliance History Online (ECHO) website tracks compliance issues for listed facilities for the last three years. No violations were reported during that interval.
**Discussion**: Based on the lack of reported violations/ releases, this listing is not considered to represent an environmental concern to the property.

Matthews International Corp.
28261 Highway 74
Romoland, California 92585
**Databases**: RCRA-SQG, HAZNET, FINDS, ECHO, EMI
**Approximate Distance from the Property**: Approximately 1,500 feet to the northwest
**Assumed Groundwater Gradient**: Downgradient
**Regulatory Data Summary**: Matthews International Corp. was identified as a RCRA-SQG since 1986. According to the database report, this site is defined as a handler, generating more than 100 and less than 1,000 kg of hazardous waste during any calendar month and accumulates less than 6,000 kg of hazardous waste at any time or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1,000 kg of hazardous waste at any time. The types of generated waste were identified as contaminated soil from site clean-up, oxygenated solvents, aqueous solution with total organic residues less than 10 percent, and other inorganic solid waste. According to a summary of the handler activities, no violations were found. The

facility's listing on the FINDS database is likely for its identification as an EMI facility, which is an estimate of air pollution emissions in a given area. Air emissions were reported to the South Coast Air Quality Management District (SCAQMD) for the years 1990, 1995, and 1997-2001. The ECHO website tracks compliance issues for listed facilities for the last three years; however, no information was reported during that interval. The last RCRA inspection was conducted on June 24, 2003 and no violations were issued. The reference to the contaminated soil indicated that 7.58 tons were disposed of at a disposal landfill in 2006. No other details were provided and the facility was not identified on any database indicating that a release had occurred.
**Discussion**: Based on the lack of reported violations/ releases, distance, and presumed hydrological gradient, this listing is not considered to represent an environmental concern to the property.

Based on distance, topography, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the other sites listed in the federal agency databases are considered to represent a likely past, present or material threat of release in, on, or at the property. Given the physical setting characteristics of the property and surrounding area supplemental agency file reviews were not warranted to verify the database report information.

### 5.1.2 State and Tribal Database Findings

The property was not identified on the state and tribal databases searched by EDR. However, listings with a known or significant potential for release and impact on the property were identified in the state and tribal agency databases searched, as follows.

Orco Block Company Romoland
26380 Palomar Road
Romoland, California 92585
**Databases**: AST
**Approximate Distance from the Property**: Adjacent to the east, beyond Palomar Road
**Assumed Groundwater Gradient**: Upgradient
**Regulatory Data Summary**: Orco Block Company Romoland was identified as an AST facility. No details regarding the capacity or contents of the AST(s) were provided.
**Discussion**: Based on the lack of reported violations/ releases, this listing is not considered to represent an environmental concern to the property.

Sannipoli Corporations
26250 Palomar Road
Romoland, California 92585
**Databases**: AST
**Approximate Distance from the Property**: Adjacent to the east, beyond Palomar Road
**Assumed Groundwater Gradient**: Upgradient
**Regulatory Data Summary**: Sannipoli Corporations was identified as an AST facility. No details regarding the capacity or contents of the AST(s) were provided.
**Discussion**: Based on the lack of reported violations/ releases, this listing is not considered to represent an environmental concern to the property.

B.P. John Recycling Inc.
28700 Matthews Road
Romoland, California 92585
**Databases**: SWF/LF, LDS
**Approximate Distance from the Property**: Approximately 1,400 feet to the southeast, beyond Palomar Road
**Assumed Groundwater Gradient**: Upgradient

**Regulatory Data Summary**: B.P. John Recycling Inc. was identified as an active, 6.2-acre composting facility that accepts green materials and wood waste. The facility was also listed as a land disposal site on GeoTracker. According to GeoTracker, the facility was formerly a municipal solid waste landfill and has a closed case status as of January 1965. The facility is no longer regulated by the Regional Water Quality Control Board (RWQCB), pending the adoption of a general conditional waiver for composting operations.
**Discussion**: Based on the lack of reported violations/ releases and type of waste accepted, this listing is not considered to represent an environmental concern to the property.

Based on distance, topography, assumed groundwater gradient, current regulatory status, and/or the absence of reported releases, none of the other sites listed in the state or tribal agency databases are considered to represent a likely past, present or material threat of release in, on, or at the property. Given the physical setting characteristics of the property and surrounding area supplemental agency file reviews were not warranted to verify the database report information.

### 5.1.3 Local Environmental Records Sources

*Riverside County Department of Environmental Health (RCDEH)*

ATC requested a search of available records pertaining to USTs, hazardous materials use and hazardous waste generation at the property from the RCDEH. According to a response from the RCDEH, there are no records for the property.

*California Department of Toxic Substances Control (DTSC)*

According to the DTSC EnviroStor website, http://www.envirostor.dtsc.ca.gov/public, the DTSC has no records pertaining to the property.

*Regional Water Quality Control Board (RWQCB)*

According to the RWQCB GeoTracker website, http://geotracker.waterboards.ca.gov, no LUST or SLIC cases are located on the property.

*South Coast Air Quality Management District (SCAQMD)*

ATC researched Permits to Operate (P/O), Facility Equipment List Reports (EQL), Notices to Comply (NTCs), and Notices of Violations (NOVs) pertaining to the property using the South Coast Air Quality Management District's (SCAQMD) on-line Facility Information Detail (FIND) database. No records were found for the property.

*Zoning Information*

According to a City of Menifee Land Use map, dated April 2018, the property is currently zoned as M-M (i.e., Manufacturing-Medium), with a land use designation of BP (Business Park). A copy of the Land Use map is included in Appendix L.

*Sewer and Water Utility*

According to a representative with the EMWD, there is no account connected to the property address, likely because there are currently no water and sewer services at the property. Based on service area maps reviewed on the EMWD website, https://www.emwd.org/home, the EMWD is the agency responsible for providing the services if and when they are requested.

ATC reviewed the 2017 Consumer Confidence/ Water Quality Report for the EMWD. No water quality issues, including those associated with lead, were reported for the supplied water to the property. A copy of the water quality report is included in Appendix L.

*Electrical Utility Company*

There is currently no electrical service at the property. However, SCE is the agency responsible for providing service if and when it is requested.

*Gas Utility Company*

There is currently no natural gas service at the property. However, Southern California Gas Company is the agency responsible for provided service if and when it is requested.

## 5.2 Physical Setting Sources

### 5.2.1 Topography

The property is located on the United States Geological Survey (USGS) 7.5-Minute Series Topographic Map, Romoland, California Quadrangle, dated 1979. Based on ATC's review of this topographic map, the property is located at an elevation of approximately 1,458 feet above mean sea level (MSL). The topography of the property and surrounding area is generally flat and slopes gently to the southwest. A copy of the topographic map is included in Appendix A.

### 5.2.2 Geology

According to the EDR Radius Map Report, the stratigraphic units underlying the property are Mesozoic era, Cretaceous system, and Cretaceous granitic rock series in a plutonic and intrusive rock sequence. EDR obtains its geologic age and stratigraphic unit information from P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale, USGS Digital Data Series DDS - 11 (1994).

### 5.2.3 Soils

Soil survey maps for the area of the property were not readily available for review. Therefore, ATC reviewed information provided in the EDR database report. According to EDR, the soils at the property belong to the Exeter component. Exeter soils consists of sandy loam soil texture with slow infiltration rates and are well drained. This component does not meet the classification requirements to be considered a hydric soil.

### 5.2.4 Hydrology

ATC conducted an online search using the State of California Department of Water Resources Groundwater Information Center Interactive Map Application. According to the search, a well is located approximately 3,600 feet south of the property. Depth to groundwater was last measured in this well on March 7, 2018 at a depth of 48.1 feet below ground surface (bgs). The general groundwater flow direction was not noted for this well. According to an EMWD map of approximate direction of groundwater flow, the groundwater flow for the property area is expected to be to the northwest. Therefore, in assessing potential external environmental impact, properties located directly southeast of the property are of primary environmental concern due to their inferred upgradient location. Actual depth to groundwater and groundwater flow direction can only be accurately determined through installation of groundwater monitoring wells, which was beyond the scope of work for this project. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or dewatering operations.

### 5.2.5 Other Physical Setting Sources

*Flood Plain Map*

According to information provided by the Federal Emergency Management Agency (FEMA) website, http://www.fema.gov, the property is located in both Flood Zones A and X. Zone A is the flood insurance rate zone that corresponds to the 100-year floodplains and Zone X is defined as areas of minimal to moderate flood hazard. The Community/Panel Number for the Flood Insurance Rate Map (FIRM) for the property is 06065C2060H and the effective date is August 18, 2014. A copy of the flood plain map is included in Appendix L.

*Wetlands Map*

According to information obtained from the United States Fish & Wildlife Service (USFWS) National Wetland Inventory (NWI) database, http://www.fws.gov/wetlands/Data/Mapper.html, no designated wetlands are depicted on the property. Based on visual observations during the site reconnaissance, no evidence of a natural wetlands area was observed. A copy of the web-generated map is included in Appendix L.

## 5.3 Historical Records Sources

The following table summarizes the findings of the research presented below pertaining to historical property and surrounding area uses.

| HISTORICAL USE SUMMARY | | | | |
|---|---|---|---|---|
| **Period** | **Identified Historical Uses** | | **Source(s)** | **Intervals/Comments** |
| | **Property** | **Surrounding Area** | | |
| Prior to 1940 | Undeveloped<br>Agricultural | Undeveloped<br>Agricultural | Topographic Maps<br>Aerial Photographs | The earliest record identified is a 1901 topographic map, which depicts the property as undeveloped. Data gaps exist for the period between 1902 and 1937. The property was depicted as agricultural land in the 1938 aerial photograph. No concerns identified. |
| 1940 - 1960 | Agricultural | Undeveloped<br>Agricultural | Topographic Maps<br>Aerial Photographs | Data gap for the period from 1954 to 1960. No use change across gap. No concerns identified. |
| 1961 - 1980 | Agricultural | Undeveloped<br>Agricultural<br>Commercial | Topographic Maps<br>Aerial Photographs | No data gaps or concerns identified. |
| 1981 - 2000 | Agricultural<br>Undeveloped | Undeveloped<br>Agricultural<br>Commercial | Topographic Maps<br>Aerial Photographs<br>City Directories | No data gaps or concerns identified. The property is depicted as vacant land from at least 1989. |

| HISTORICAL USE SUMMARY | | | | |
|---|---|---|---|---|
| Period | Identified Historical Uses | | Source(s) | Intervals/Comments |
| | Property | Surrounding Area | | |
| 2001 - present | Undeveloped | Undeveloped<br>Agricultural<br>Commercial | Topographic Maps<br>Aerial Photographs<br>City Directories<br>Assessor's Records | No data gaps or concerns identified. |

Based on the review of historical information, the property was used for agricultural purposes from at least 1938 until 1985. During the agricultural use of the property, it is possible that pesticides and/or herbicides were historically applied to the surficial or near surface soil. The potential presence of relatively low concentrations of residual pesticides and/or herbicides is not expected to adversely impact the future use or development of the property. However, in the event that the future development of the property is to include sensitive land uses such as a school or day care center, consideration should be given to collecting soil samples for analysis of residual pesticides or herbicides.

### 5.3.1 Aerial Photographs

ATC reviewed available aerial photographs of the property and surrounding areas from EDR. Aerial photographs depicting the property and surrounding area were available for the period between 1938 and 2016. The following are descriptions and interpretations from the aerial photograph review.

| AERIAL PHOTOGRAPH SUMMARY | | |
|---|---|---|
| Year | Scale | Comments |
| 1938 | 1 inch = 500 feet | **Property**: The property is agricultural land.<br>**Surrounding Area**: To the north, south, and west is agricultural land and to the east and southeast is a dense area of trees. Two roads (currently Palomar Road and Matthews Road) are depicted adjacent to the east and south, respectively. |
| 1949, 1953, and 1961 | 1 inch = 500 feet | **Property**: The property is agricultural land.<br>**Surrounding Area**: The surrounding areas appear the same as in the 1938 aerial photograph, with the exception of the east-adjacent site which is depicted as agricultural land. A riverbed appears to flow toward the southeastern corner of the property. |
| 1967 and 1978 | 1 inch = 500 feet | **Property**: The property is agricultural land.<br>**Surrounding Area**: The surrounding areas appear the same as in the 1949, 1953, and 1961 aerial photographs. Sparse commercial buildings are depicted further to the northeast and northwest. |
| 1985 | 1 inch = 500 feet | **Property**: The property is agricultural land.<br>**Surrounding Area**: The surrounding areas appear the same as in the 1967 and 1978 aerial photographs. Sparse commercial buildings are depicted further to the north, northeast, and northwest. |
| 1989 | 1 inch = 500 feet | **Property**: The property is undeveloped/graded land.<br>**Surrounding Area**: The areas to the north, south, and west are undeveloped/graded land. The areas to the east are developed with commercial properties with large graded yards. |
| 1997 | 1 inch = 500 feet | **Property**: The property is undeveloped/graded land.<br>**Surrounding Area**: The areas to the north and south are undeveloped/graded land. The areas to the east, southeast, and west appear the same as currently developed. |
| 2002, 2006, and 2009 | 1 inch = 500 feet | **Property**: The property is undeveloped/graded land. It should be noted that in the 2006 aerial photograph, the outline of a rectangular structure, possibly a foundation, is depicted in the center of the property.<br>**Surrounding Area**: The areas to the east, southeast, south, and west appear the same as currently developed. A commercial building is depicted to the north. |

| AERIAL PHOTOGRAPH SUMMARY | | |
|---|---|---|
| **Year** | **Scale** | **Comments** |
| 2012 and 2016 | 1 inch = 500 feet | **Property**: The property is undeveloped/graded land.<br>**Surrounding Area**: The surrounding areas appear the same as currently developed. |

The review of aerial photographs depicted agricultural land on the property and surrounding area from at least 1938 to 1985. Although it is possible that pesticides and/or herbicides were historically applied to the surficial or near surface soil, the potential presence of relatively low concentrations of residual pesticides and/or herbicides is not expected to adversely impact the future use or development of the property. Reproducible copies of the aerial photographs are included in Appendix F.

### 5.3.2 Fire Insurance Maps

A search for fire insurance maps for the property and surrounding area was conducted by EDR. According to EDR, no such maps depicting the property or immediately surrounding area were available. A copy of the "unmapped property" report is included in Appendix G.

### 5.3.3 Property Tax Files

ATC attempted to review tax files on the Riverside County Assessor's Office website for historical ownership information pertaining to the property. However, ownership information was not readily available.

### 5.3.4 Recorded Land Title Records

The acquisition of recorded land title records was not required by the scope of work for the Phase I ESA.

### 5.3.5 Historical USGS Topographic Maps

ATC reviewed available historical USGS Topographic Quadrangles provided by EDR for information regarding past uses of the property. The topographic maps were dated 1901, 1942, 1943, 1947, 1953, 1973, 1979, and 2012. The 1901 topographic map depicts the property and surrounding areas as undeveloped land. A railroad right-of-way is depicted adjacent to the south. The 1942, 1943, and 1947 topographic maps resemble the 1901 topographic map with the addition of a paved road (currently Matthews Road) depicted to the east. The 1953, 1973, and 1979 topographic maps depict the property, and north, east, south, and west adjacent areas as undeveloped land. An agricultural area is depicted to the southeast, beyond Case Road (currently Matthews Road). No structures are depicted on the 2012 map. However, Palomar Road is identified to the east and Matthews Road is identified to the south.

The review of topographic maps depicted agricultural land at the southeast adjacent site from at least 1953 to 1979. It should be noted that the historical topographic maps did not identify agricultural land on the property. However, agricultural land was depicted on the aerial photographs review by ATC. Although it is possible that pesticides and/or herbicides were historically applied to the surficial or near surface soil, the potential presence of relatively low concentrations of residual pesticides and/or herbicides is not expected to adversely impact the future use or development of the property. Documentation is included in Appendix G.

### 5.3.6 City Directories

Research regarding the availability of historical city directories was conducted by EDR for the period between 1975 and 2014. However, listings for the general property area did not exist prior to 1985. The following are descriptions and interpretations from the historical city directory review. Documentation is included in Appendix G.

| CITY DIRECTORY SUMMARY | |
|---|---|
| **Year** | **Comments** |
| 1985 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 25300, 26430, 26600: Residences<br>Matthews Road- No listings |
| 1992 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 26250: Sannipoli Corp., Sannipoli Tank Corporation; 26380: Orco Block Co.; 26420: Kenyon Construction Inc., Nottson Construction Inc.<br>Matthews Road- No listings |
| 1995 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 26250: Sannipoli Corp.; 26420: Kenyon Construction Inc.<br>Matthews Road- No listings |
| 2000 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 26245: Miller-Jones Technical Facility; 26380: Orco Block Co. Inc.<br>Matthews Road- No listings |
| 2005 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 26035: Polar Beer Systems Inc.; 26245: Miller-Jones Technical Facility, West Coast Cremation; 26380: Orco Block Co. Inc.; 26420: Cabo Truss, JT Welding Co., Machinery Recycling Inc.<br>Matthews Road- No listings |
| 2010 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 26035: Polar Beer Systems Inc.; 26245: JJ&J Enterprises LLC; Miller-Jones Technical Facility, West Coast Cremation; 26380: Orco Block Co. Inc.; 26420: Cabo Truss, JT Welding Co., Machinery Recycling Inc.<br>Matthews Road- No listings |
| 2014 | **Property**: Not listed.<br>**Surrounding Area**: Palomar Road- 26035: Polar Beer Systems Inc.; 26245: Miller-Jones Mortuary Cremations, Miller Jones Mortuary, West Coast Cremation; 26380: Orco Block Co. Inc.<br>Matthews Road- No listings |

The review of city directories did not identify specific past uses indicating *recognized environmental conditions* in, on, or at the property or surrounding area. Refer to Section 5.1.2 for details regarding the listing of the adjacent sites on the databases researched as part of this assessment.

### 5.3.7 Building Department Records

ATC visited the City of Menifee Building and Safety Department to review available historical building department records for information regarding past uses of the property. According to a search conducted by Ms. Paradise Winters, no permits were found for the property.

### 5.3.8 Zoning/Land Use Records

According to a City of Menifee Land Use map, dated April 2018, the property is currently zoned as M-M (i.e., Manufacturing, Medium), with a land use designation of BP (Business Park). No historical use information was available for the property. The review of current zoning/land use records did not identify past uses indicating *recognized environmental conditions* in, on, or at the property or surrounding area. A copy of the Land Use map is included in Appendix L.

### 5.3.9 Prior Reports

No prior reports were provided to ATC for review.

### 5.3.10 Other Historical Sources

No other historical sources were reviewed.

# 6.0 SITE RECONNAISSANCE

The following is a summary of visual and/or physical observations of the property on the day of the site visit. Photographs obtained during the site reconnaissance are provided in Appendix C.

## 6.1 Methodology and Limiting Conditions

Ms. Victoria Rojo, Staff Scientist with ATC, conducted the site reconnaissance on September 26, 2018 and was unescorted at the vacant property. The site reconnaissance consisted of visual and/or physical observations of: the property and improvements; adjoining sites as viewed from the property; and, the surrounding area based on visual observations made during the trip to and from the property. Unimproved portions of the property (if any) were observed along the perimeter and in a general grid pattern in safely accessible areas, if accessible and possible. No access limitations were encountered on the day of the site visit. The weather at the time of the site reconnaissance was sunny and warm and did not impact visibility or accessibility to the property for the purpose of the site reconnaissance.

## 6.2 Hazardous Substance Use, Storage, and Disposal

ATC did not observe the use, storage or disposal of hazardous substances on the property.

## 6.3 Underground Storage Tanks (USTs)

ATC did not observe evidence of USTs on the property.

## 6.4 Aboveground Storage Tanks (ASTs)

ATC did not observe evidence of ASTs on the property.

## 6.5 Other Petroleum Products

No other petroleum products were observed.

## 6.6 Polychlorinated Biphenyls (PCBs)

ATC did not observed the presence of PCBs on the property.

## 6.7 Unidentified Substance Containers

ATC did not observe evidence of unidentified substance containers on the property.

## 6.8 Nonhazardous Solid Waste

An approximately 15’ x 20’ x 6’ debris pile, consisting of mostly soil, shrubs, and small quantities of trash, was observed at the northwestern corner of the property. The observed debris is not considered to represent an environmental concern and will most likely be disposed of when the property is redeveloped.

## 6.9 Wastewater

ATC observed no evidence of wastewater generated, treated or discharged on the property or to adjoining properties.

## 6.10 Waste Pits, Ponds and Lagoons

ATC did not observe evidence of waste pits, ponds or lagoons in, on or at the property.

### 6.11 Drains and Sumps

ATC did not observe evidence of drains or sumps in, on or at the property.

### 6.12 Septic Systems

ATC did not observe evidence of a septic system in, on or at the property.

### 6.13 Stormwater Management System

Stormwater at the property is expected to percolate into the unimproved property lot or flow south toward Matthews Road. A catch basin was observed just south of the intersection of Palomar Road and Matthews Road. ATC did not observe any evidence of stained soil or pavement and stressed vegetation within or around the property.

### 6.14 Wells

ATC did not observe evidence of wells in, on or at the property.

## 7.0 SUBSURFACE VAPOR MIGRATION

ATC conducted a limited screening for potential vapor encroachment conditions (VECs) that may affect the property. The VEC screening focused on the current and historical usage of the Property and also utilized the aforementioned regulatory agency database report provided by EDR and an EDR Vapor Encroachment Screen (VES) Report to evaluate identified Chemicals of Concern (COCs), including petroleum hydrocarbons. To identify the area of concern (AOC) for contaminated sites with non-petroleum hydrocarbon COCs, ATC utilized the approximate minimum search distance defined by ASTM E 2600-10 of 1,760 feet (1/3 mile) from the property boundary for COC-contaminated sites. For sites contaminated with petroleum hydrocarbon COCs, ATC utilized the AOC approximate minimum search distance of 528 feet (1/10 mile). The AOC was adjusted accordingly based on review of physical setting characteristics, known release information, property and land features, groundwater flow direction, and soil type, et al.

ASTM's Vapor Encroachment guidance indicates that when groundwater flow direction can be estimated or determined, the cross-gradient or downgradient radius distances can be significantly reduced. The EDR VES report calculates the reduced AOC distances when considering groundwater flow direction by utilizing the following default distances, which were determined using the Buonicore Methodology: (non-petroleum hydrocarbon COCs) 1,760 feet in the upgradient direction; 365 feet in the cross-gradient direction; and 100 feet in the downgradient direction and (petroleum hydrocarbon COCs) 528 feet in the upgradient direction; 165 feet in the cross-gradient direction if Light, Non-Aqueous Phase Liquid, (LNAPL i.e. floating product) is suspected; 95 feet in the cross-gradient direction if no LNAPL is suspected; 100 feet in the downgradient direction (LNAPL suspected); and 30 feet in the downgradient position (LNAPL not suspected).

The screening was further refined by evaluating the Critical Distance (CD) factor. The CD is the upper distance a vapor may migrate through soil in the vadose zone assuming the path of least resistance is directly from the closest boundary of the contaminated media (i.e., groundwater or soil) to the nearest property boundary. For non-petroleum hydrocarbon COCs, the CD is 100 feet. For LNAPL petroleum hydrocarbon COCs, the CD is also 100 feet. For dissolved petroleum hydrocarbon COCs, the CD is 30 feet.

ATC reviewed potential sources of COCs from the facilities reported on the EDR database report and VES report. No VECs were identified in relation to the property.

## 8.0 INTERVIEWS

ATC was unescorted during the site reconnaissance. As such, no interviews were conducted.

Not included in this listing are employees of city, county, or state government, who were contacted for the purpose of retrieving routine public information pertaining to the site, and who were not expected to possess first-hand knowledge regarding *recognized environmental conditions* at the property.

Pertinent information from the interviews is discussed in applicable sections of this repot with details (including failed attempts to interview) documented on Record of Communication forms / other correspondence in Appendix J.

# 9.0 OTHER ENVIRONMENTAL CONDITIONS

## 9.1 Asbestos-Containing Materials (ACM)

The property is undeveloped and is not improved with any site structures. Consequently, no building materials suspected of containing ACM were identified. ATC did not observe the presence of debris piles or other materials suspected to contain asbestos.

## 9.2 Radon

Radon is a naturally occurring colorless, odorless gas that is a by-product of the decay of radioactive materials potentially present in bedrock and soil. The EPA guidance action level for annual residential exposure to radon is 4.0 picoCuries per liter of air (pCi/L). The guidance action level is not a regulatory requirement for private owners of commercial real estate, but is commonly used for comparison purposes to suggest whether further action at a building may be prudent.

ATC's review of published radon data from EDR's Regulatory Database Report indicates that the property is located in EPA Zone 2, identified as an area of moderate propensity with regard to the potential for elevated levels of radon gas. According to EDR's Regulatory Database Report, of the six sites tested in the property's zip code, none of the sites tested returned a result over 4.0 pCi/L. Based on the available statistics and the absence of occupied property improvements, no additional radon investigations are recommended.

## 9.3 Lead in Drinking Water

There are currently no water and sewer services at the property. However, the EMWD is the agency responsible for providing the services if/when they are requested. ATC confirmed with the EMWD's 2017 Water Quality Report that the municipally supplied water meets or exceeds all drinking water standards, including those for lead. A copy of the Water Quality Report is included in Appendix L.

## 9.4 Lead-Based Paint (LBP)

The property is vacant and undeveloped. No suspect LBP was observed on the property at the time of the site visit.

## 9.5 Mold Screening

The property is vacant and undeveloped. ATC did not observe suspect mold at the property.

## 9.6 Additional User Requested Conditions

No additional User requested services were included in the scope of work for this ESA.

## 10.0 REFERENCES

ASTM International, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM Designation E1527-13, November 2013.

ASTM International, *Standard Guide for Readily Observable Mold and Conditions Conducive to Mold in Commercial Buildings: Baseline Survey Process*, ASTM Designation E 2418-06, March 2006.

ASTM International, *Standard Guide for Limited Asbestos Screens of Buildings*, ASTM Designation E 2308-05, August 2005.

Department of Toxic Substances Control, EnviroStor website, http://www.envirostor.dtsc.ca.gov/public.

Eastern Municipal Water District, website, https://www.emwd.org/home and 2017 Water Quality Consumer Confidence Report, issued July 2018.

EDR, The EDR Radius Map Report with GeoCheck®, Inquiry Number 5427697.2s, dated September 18, 2018.

EDR, The EDR Environmental Lien Search, Inquiry Number 5128882.7, dated September 19, 2018.

EDR, Certified Sanborn Map Report, Inquiry Number 5128882.3, dated September 18, 2018.

EDR, The EDR Historical Topographic Map Report, Inquiry Number 5128882.4, dated September 18, 2018.

EDR, The EDR Aerial Photo Decade Package, Inquiry Number 5128882.12, dated September 19, 2018.

EDR, The EDR City Directory Abstract, Inquiry Number 5128882.5, dated September 21, 2018.

Federal Emergency Management Agency (FEMA) Map Service Center website, http://msc.fema.gov.

Regional Water Quality Control Board, GeoTracker website, http://geotracker.waterboards.ca.gov.

Riverside County Assessor's website, http://www.asrclkrec.com/.

Riverside County Department of Environmental Health, records request.

South Coast Air Quality Management District website, http://www.aqmd.gov, records review.

United States Department of the Interior, National Wetlands Inventory (NWI) Wetlands Mapper website, http://www.fws.gov/wetlands/Data/Mapper.html.

United States Geological Survey, 7.5-Minute Series, Topographic Map, *Romoland, California*, 1979.

## 11.0 TERMINOLOGY

The following provides definitions and descriptions of certain terms that may be used in this report. Italics indicate terms that are defined by ASTM Standard Practice E1527-13. The Standard Practice should be referenced for further detail (such as the precise wording), related definitions or additional explanation regarding the meaning of terms.

*recognized environmental condition(s) (REC)* - 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; or (3) under conditions that pose a material threat of a future release to the environment.

*material threat* - a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional (EP), is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains a hazardous substance and which shows evidence of damage such that it may cause or contribute to tank integrity failure with a release of contents to the environment.

*de minimis* condition – is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies. An example might include a release of *hazardous substances* or *petroleum products* that could reasonably and foreseeably result in a concentration exceeding the applicable regulatory agency risk-based residential standards or substantial damage to natural resources. The risk of that exposure or damage would represent a threat to human health or the environment. If an enforcement action would be less likely than not, then the condition is considered to be generally not likely the subject of an enforcement action. A condition determined to be *de minimis* is not a *REC* or *controlled recognized environmental condition (CREC)*.

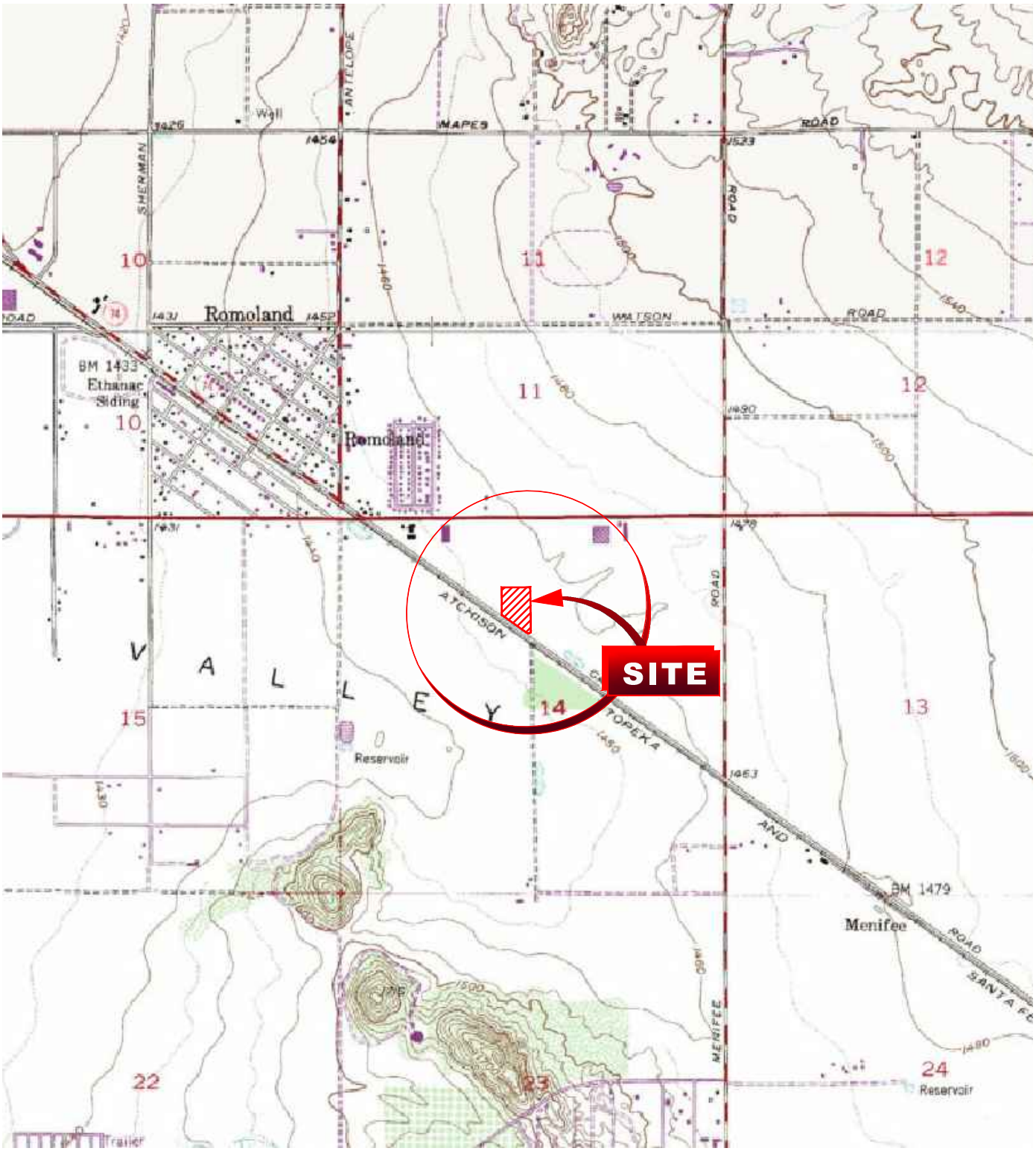
*historical recognized environmental condition(s) (HREC)* - a past release of any *hazardous substances* or *petroleum products* that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, 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 *HREC*, the EP must determine whether the past release is a *REC* at the time the 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 *REC* at the time the Phase I ESA is conducted, the condition will be reported in Section 1.2 the Findings and Conclusions Summary table as a *REC*.

*controlled recognized environmental condition (CREC)* - 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 limitation, institutional controls, or engineering controls). Per E1527-13, a *CREC* will be reported in the Section 1.2 Findings and Conclusions Summary table as a *CREC* and a *REC*.

*migrate/migration* - 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.

# APPENDIX A

# SITE VICINITY MAP




ROMOLAND, CALIFORNIA QUADRANGLE (PROVISIONAL EDITION 1979)

1:24000 Scale

0 0.2 0.4 0.6 0.8 1 Miles

0 0.2 0.4 0.6 0.8 1 Kilometers

N

## SITE VICINITY MAP

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**
**VACANT LOT**
26255 PALOMAR ROAD
MENIFEE, CALIFORNIA 92585

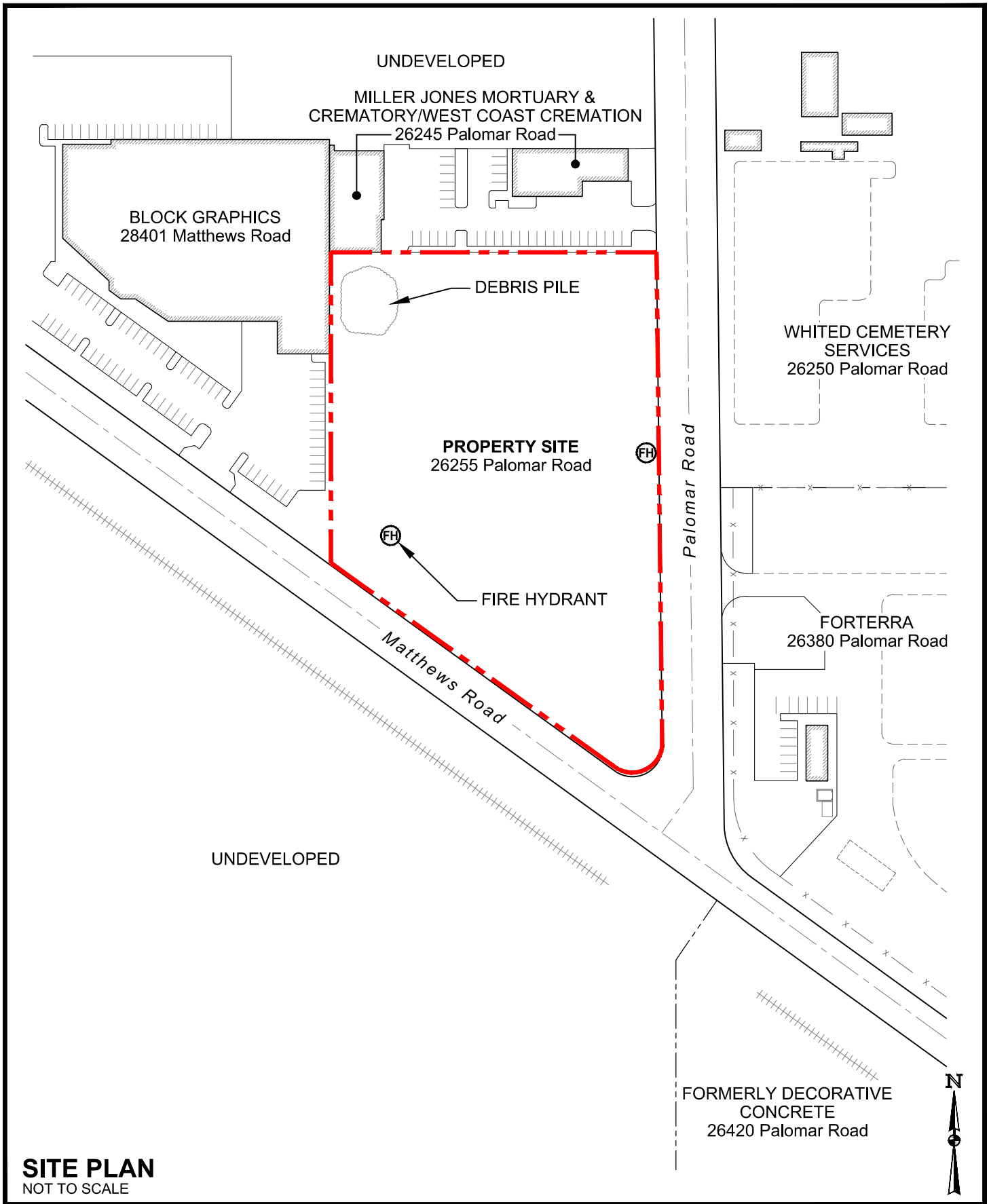
| | | |
|---|---|---|
| PROJECT NUMBER: 1011601349 | PHASE: 1 | APPENDIX |
| REVIEW BY: V. ROJO | DRAWN BY: DAW | A |

ATC
25 Cupania Circle
Monterey Park, CA 91755
www.atcgroupservices.com *** Ph: (323) 517-9780

FILE: W:\Forterra Building Products\1011601349 Menifee ESA\Cad\1011601349_Menifee.dwg Oct 01, 2018

# APPENDIX B

# SITE PLAN




**SITE PLAN**
NOT TO SCALE

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**
**VACANT LOT**
26255 PALOMAR ROAD
MENIFEE, CALIFORNIA 92585

| | | |
|---|---|---|
| PROJECT NUMBER: 1011601349 | PHASE: 1 | APPENDIX |
| REVIEW BY: V. ROJO | DRAWN BY: DAW | B |

ATC
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FILE: W:\Forterra Building Products\1011601349 Menifee ESA\Cad\1011601349_Menifee.dwg Oct 03, 2018

# APPENDIX C

# SITE PHOTOGRAPHS

Photo 1: View of the property, from the eastern boundary, looking northwest.

Photo 2. View of the eastern property boundary, looking north

Photo 3: View of the eastern side of the property, looking south.

Photo 4: View of the western property boundary, looking north.

Photo 5: View of the property, looking south.

Photo 6: View of the debris pile located at the northwestern corner of the property.

Photo 7: View toward the property, looking northeast across Matthews Road.

Photo 8: View of the backflow prevention plumbing located at the southern property boundary.

Photo 9: View of the eastern property boundary (along Palomar Road), looking north.

Photo 10: View toward the north adjacent site (Miller Jones Mortuary & Crematory at 26245 Palomar Road).

Photo 11: View of one of the east adjacent sites (Whited Cemetery Services at 26250 Palomar Road).

Photo 12: View toward the second east adjacent site (Forterra at 26380 Palomar Road).

Photo 13: View toward the southeast adjacent site (currently vacant commercial site at 26420 Palomar Road).

Photo 14: View of the south adjacent site (undeveloped land) and railroad right-of-way.

Photo 15: View of the south adjacent site (undeveloped land) and railroad right-of-way.

Photo 16: View of the west adjacent site (Block Graphics at 28401 Matthews Road).

# APPENDIX D

# USER PROVIDED DOCUMENTATION

**THIS SECTION IS INTENTIONALLY LEFT BLANK**

# APPENDIX E

# REGULATORY DATABASE REPORT

**Possible Lease Property**
26255 Palomar Road
Menifee, CA 92585

Inquiry Number: 5427697.2s
September 18, 2018

# The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## TARGET PROPERTY INFORMATION

### ADDRESS

26255 PALOMAR ROAD
MENIFEE, CA 92585

### COORDINATES

| | |
|---|---|
| Latitude (North): | 33.7395110 - 33° 44' 22.23'' |
| Longitude (West): | 117.1635810 - 117° 9' 48.89'' |
| Universal Tranverse Mercator: | Zone 11 |
| UTM X (Meters): | 484847.3 |
| UTM Y (Meters): | 3733092.5 |
| Elevation: | 1458 ft. above sea level |

## USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property Map: | 5641314 ROMOLAND, CA |
| Version Date: | 2012 |
| North Map: | 5641330 PERRIS, CA |
| Version Date: | 2012 |

## AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|---|---|
| Portions of Photo from: | 20140603, 20140530 |
| Source: | USDA |

# MAPPED SITES SUMMARY

Target Property Address:
26255 PALOMAR ROAD
MENIFEE, CA 92585

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---|---|---|---|---|---|
| 1 | SANNIPOLI CORPORATIO | 26250 PALOMAR RD | AST | Higher | 108, 0.020, NE |
| 2 | CASS CONSTRUCTION, I | 26035 PALOMAR RD | AST | Higher | 473, 0.090, North |
| 3 | ORCO BLOCK COMPANY R | 26380 PALOMAR RD | AST | Higher | 532, 0.101, ESE |
| 4 | BLOCK GRAPHICS | 28401 MATTHEWS | RCRA-SQG, FINDS, ECHO, HAZNET | Lower | 967, 0.183, WNW |
| A5 | B.P. JOHN RECYCLING | 28700 MATHEWS ROAD | SWF/LF | Higher | 1153, 0.218, SE |
| A6 | B.P. JOHN RECYCLING, | 28700 MATTHEWS RD | SWF/LF, LDS | Higher | 1153, 0.218, SE |
| B7 | AHERN RENTALS, INC. | 28261 E. HIGHWAY 74 | AST | Lower | 1225, 0.232, NW |
| B8 | MATTHEWS INTERNATION | 28261 HWY. 74 | RCRA-SQG, FINDS, ECHO, EMI, HAZNET | Lower | 1225, 0.232, NW |
| 9 | HIGH SCHOOL NO. 3 | BRIGGS ROAD/PINACATE | ENVIROSTOR, SCH | Lower | 2809, 0.532, NW |

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### *Federal NPL site list*

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

### *Federal Delisted NPL site list*

Delisted NPL ---------- National Priority List Deletions

### *Federal CERCLIS list*

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

### *Federal CERCLIS NFRAP site list*

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

### *Federal RCRA CORRACTS facilities list*

CORRACTS ---------- Corrective Action Report

### *Federal RCRA non-CORRACTS TSD facilities list*

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

### *Federal RCRA generators list*

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-CESQG ---------- RCRA - Conditionally Exempt Small Quantity Generator

### *Federal institutional controls / engineering controls registries*

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

# EXECUTIVE SUMMARY

***Federal ERNS list***

ERNS ---------- Emergency Response Notification System

***State- and tribal - equivalent NPL***

RESPONSE ---------- State Response Sites

***State and tribal leaking storage tank lists***

LUST ---------- Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---------- Statewide SLIC Cases

***State and tribal registered storage tank lists***

FEMA UST ---------- Underground Storage Tank Listing
UST ---------- Active UST Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

***State and tribal voluntary cleanup sites***

INDIAN VCP ---------- Voluntary Cleanup Priority Listing
VCP ---------- Voluntary Cleanup Program Properties

***State and tribal Brownfields sites***

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS ---------- A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT ---------- Waste Management Unit Database
SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

CERS HAZ WASTE ..... CERS HAZ WASTE

***Local Lists of Registered Storage Tanks***

SWEEPS UST ..... SWEEPS UST Listing
HIST UST ..... Hazardous Substance Storage Container Database
CA FID UST ..... Facility Inventory Database
CERS TANKS ..... California Environmental Reporting System (CERS) Tanks

***Local Land Records***

LIENS ..... Environmental Liens Listing
LIENS 2 ..... CERCLA Lien Information
DEED ..... Deed Restriction Listing

***Records of Emergency Release Reports***

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

***Other Ascertainable Records***

RCRA NonGen / NLR ..... RCRA - Non Generators / No Longer Regulated
FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
SSTS ..... Section 7 Tracking Systems
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites

US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
FINDS ---- Facility Index System/Facility Registry System
UXO ---- Unexploded Ordnance Sites
ECHO ---- Enforcement & Compliance History Information
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---- Bond Expenditure Plan
Cortese ---- "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings ---- CUPA Resources List
DRYCLEANERS ---- Cleaner Facilities
EMI ---- Emissions Inventory Data
ENF ---- Enforcement Action Listing
Financial Assurance ---- Financial Assurance Information Listing
HAZNET ---- Facility and Manifest Data
ICE ---- ICE
HIST CORTESE ---- Hazardous Waste & Substance Site List
HWP ---- EnviroStor Permitted Facilities Listing
HWT ---- Registered Hazardous Waste Transporter Database
MINES ---- Mines Site Location Listing
MWMP ---- Medical Waste Management Program Listing
NPDES ---- NPDES Permits Listing
PEST LIC ---- Pesticide Regulation Licenses Listing
PROC ---- Certified Processors Database
Notify 65 ---- Proposition 65 Records
UIC ---- UIC Listing
WASTEWATER PITS ---- Oil Wastewater Pits Listing
WDS ---- Waste Discharge System
WIP ---- Well Investigation Program Case List
PROD WATER PONDS ---- PROD WATER PONDS (GEOTRACKER)
PROJECT ---- PROJECT (GEOTRACKER)
SAMPLING POINT ---- SAMPLING POINT (GEOTRACKER)
UIC GEO ---- UIC GEO (GEOTRACKER)
WELL STIM PROJ ---- Well Stimulation Project (GEOTRACKER)
OTHER OIL GAS ---- OTHER OIL & GAS (GEOTRACKER)
NON-CASE INFO ---- NON-CASE INFO (GEOTRACKER)
MILITARY PRIV SITES ---- MILITARY PRIV SITES (GEOTRACKER)
CIWQS ---- California Integrated Water Quality System
WDR ---- Waste Discharge Requirements Listing
CERS ---- CERS

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP ---- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF ---- Recovered Government Archive Solid Waste Facilities List

# EXECUTIVE SUMMARY

RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**STANDARD ENVIRONMENTAL RECORDS**

***Federal RCRA generators list***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***BLOCK GRAPHICS***<br>EPA ID:: CAR000076968 | ***28401 MATTHEWS*** | ***WNW 1/8 - 1/4 (0.183 mi.)*** | ***4*** | ***9*** |
| ***MATTHEWS INTERNATION***<br>EPA ID:: CAD981386956 | ***28261 HWY. 74*** | ***NW 1/8 - 1/4 (0.232 mi.)*** | ***B8*** | ***16*** |

***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/30/2018 has revealed that there is

1 ENVIROSTOR site within approximately 1 mile of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***HIGH SCHOOL NO. 3*** | ***BRIGGS ROAD/PINACATE*** | ***NW 1/2 - 1 (0.532 mi.)*** | ***9*** | ***22*** |
| Facility Id: 33010072 | | | | |
| Status: No Further Action | | | | |

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| B.P. JOHN RECYCLING | 28700 MATHEWS ROAD | SE 1/8 - 1/4 (0.218 mi.) | A5 | 13 |
| Database: SWF/LF (SWIS), Date of Government Version: 08/08/2018 | | | | |
| Facility ID: 33-AA-0301 | | | | |
| Operational Status: Active | | | | |
| Regulation Status: Notification | | | | |
| ***B.P. JOHN RECYCLING,*** | ***28700 MATTHEWS RD*** | ***SE 1/8 - 1/4 (0.218 mi.)*** | ***A6*** | ***14*** |
| Database: LOS ANGELES CO. LF, Date of Government Version: 07/16/2018 | | | | |
| Site ID: 2744 | | | | |
| Status: Active | | | | |

***State and tribal registered storage tank lists***

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

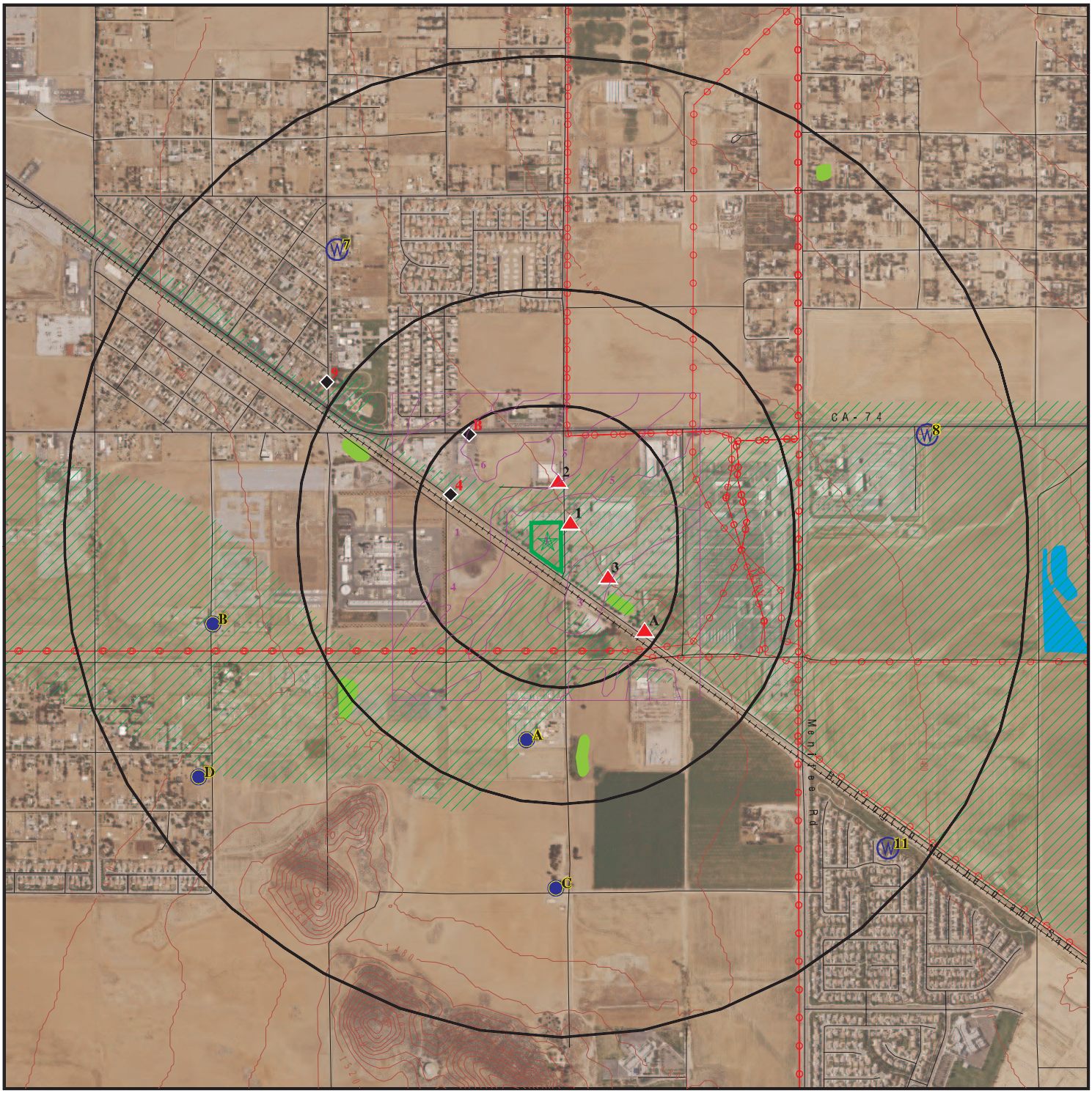
| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| SANNIPOLI CORPORATIO | 26250 PALOMAR RD | NE 0 - 1/8 (0.020 mi.) | 1 | 8 |
| Database: AST, Date of Government Version: 07/06/2016 | | | | |
| CASS CONSTRUCTION, I | 26035 PALOMAR RD | N 0 - 1/8 (0.090 mi.) | 2 | 8 |
| Database: AST, Date of Government Version: 07/06/2016 | | | | |
| ORCO BLOCK COMPANY R | 26380 PALOMAR RD | ESE 0 - 1/8 (0.101 mi.) | 3 | 9 |
| Database: AST, Date of Government Version: 07/06/2016 | | | | |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| AHERN RENTALS, INC. | 28261 E. HIGHWAY 74 | NW 1/8 - 1/4 (0.232 mi.) | B7 | 15 |
| Database: AST, Date of Government Version: 07/06/2016 | | | | |

# EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 5427697.2S




0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Possible Lease Property | CLIENT: ATC Group Services LLC |
| ADDRESS: 26255 Palomar Road<br>Menifee CA 92585 | CONTACT: Victoria Rojo |
| LAT/LONG: 33.739511 / 117.163581 | INQUIRY #: 5427697.2s<br>DATE: September 18, 2018 2:15 pm |

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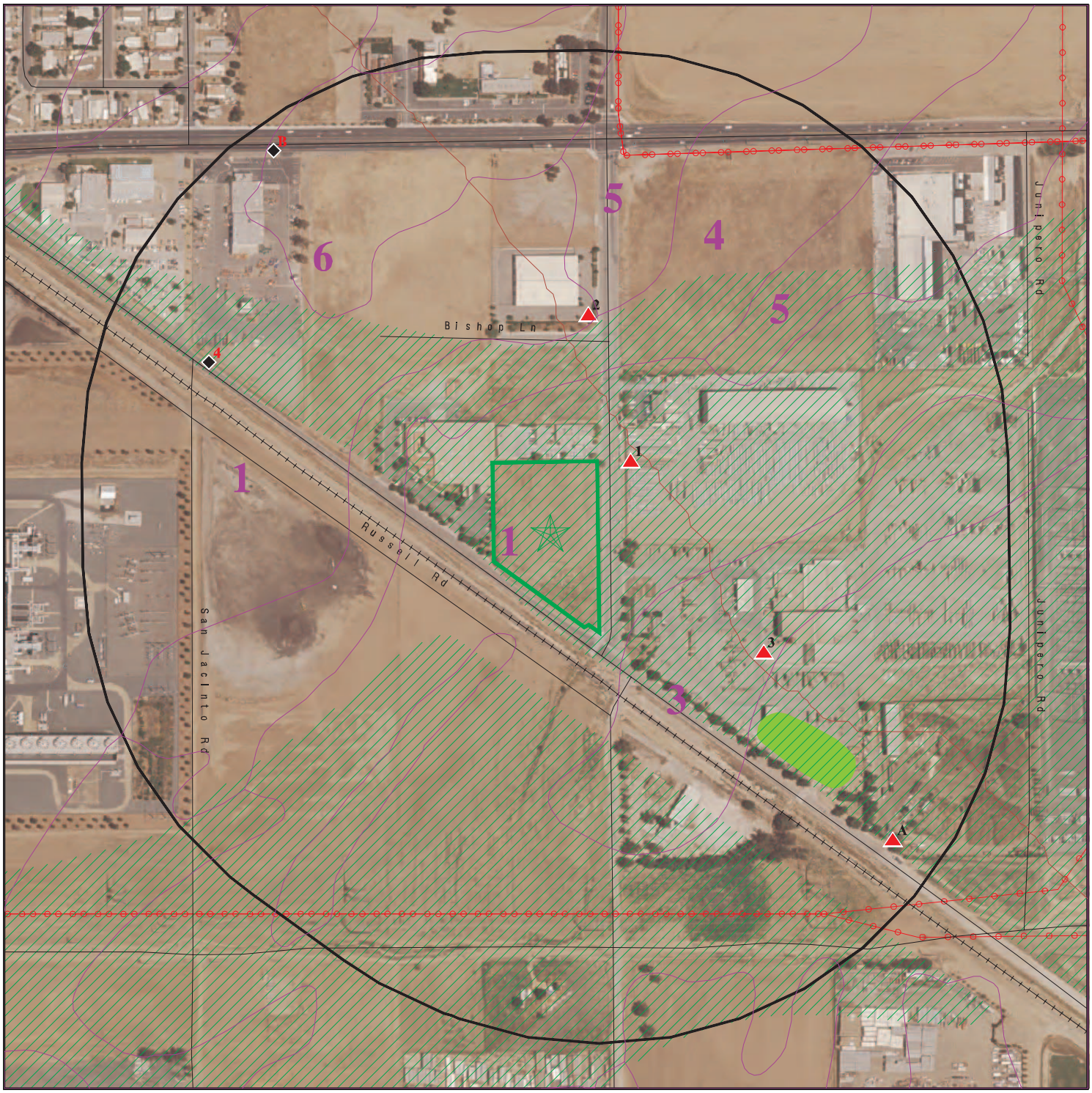
# DETAIL MAP - 5427697.2S




Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | | | |
|---|---|---|---|
| SITE NAME: | Possible Lease Property | CLIENT: | ATC Group Services LLC |
| ADDRESS: | 26255 Palomar Road<br>Menifee CA 92585 | CONTACT: | Victoria Rojo |
| | | INQUIRY #: | 5427697.2s |
| LAT/LONG: | 33.739511 / 117.163581 | DATE: | September 18, 2018 2:17 pm |

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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal CERCLIS NFRAP site list*** | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 0 | 2 | NR | NR | NR | 2 |
| RCRA-CESQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent NPL*** | | | | | | | | |
| RESPONSE | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| ENVIROSTOR | 1.000 | | 0 | 0 | 0 | 1 | NR | 1 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 2 | 0 | NR | NR | 2 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CPS-SLIC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AST | 0.250 | | 3 | 1 | NR | NR | NR | 4 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HAULERS | TP | | NR | NR | NR | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| HIST Cal-Sites | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Local Lists of Registered Storage Tanks*** | | | | | | | | |
| SWEEPS UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| HIST UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA FID UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CERS TANKS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| DEED | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| CHMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| LDS | TP | | NR | NR | NR | NR | NR | 0 |
| MCS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ECHO | TP | | NR | NR | NR | NR | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA BOND EXP. PLAN | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Cortese | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CUPA Listings | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| EMI | TP | | NR | NR | NR | NR | NR | 0 |
| ENF | TP | | NR | NR | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| HAZNET | TP | | NR | NR | NR | NR | NR | 0 |
| ICE | TP | | NR | NR | NR | NR | NR | 0 |
| HIST CORTESE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HWP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| HWT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MWMP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| PEST LIC | TP | | NR | NR | NR | NR | NR | 0 |
| PROC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Notify 65 | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| WASTEWATER PITS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| WDS | TP | | NR | NR | NR | NR | NR | 0 |
| WIP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PROD WATER PONDS | TP | | NR | NR | NR | NR | NR | 0 |
| PROJECT | TP | | NR | NR | NR | NR | NR | 0 |
| SAMPLING POINT | TP | | NR | NR | NR | NR | NR | 0 |
| UIC GEO | TP | | NR | NR | NR | NR | NR | 0 |
| WELL STIM PROJ | TP | | NR | NR | NR | NR | NR | 0 |
| OTHER OIL GAS | TP | | NR | NR | NR | NR | NR | 0 |
| NON-CASE INFO | TP | | NR | NR | NR | NR | NR | 0 |
| MILITARY PRIV SITES | TP | | NR | NR | NR | NR | NR | 0 |
| CIWQS | TP | | NR | NR | NR | NR | NR | 0 |
| WDR | TP | | NR | NR | NR | NR | NR | 0 |
| CERS | TP | | NR | NR | NR | NR | NR | 0 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| **EDR RECOVERED GOVERNMENT ARCHIVES** | | | | | | | | |
| ***Exclusive Recovered Govt. Archives*** | | | | | | | | |
| RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | | NR | NR | NR | NR | NR | 0 |
| - Totals -- | | 0 | 3 | 5 | 0 | 1 | 0 | 9 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**1**
**NE**
**< 1/8**
**0.020 mi.**
**108 ft.**

**SANNIPOLI CORPORATIONS** **AST** **A100424161**
**26250 PALOMAR RD** **N/A**
**ROMOLAND, CA 92585**

**Relative:**
**Higher**

**Actual:**
**1460 ft.**

AST:

| | |
|---|---|
| Certified Unified Program Agencies: | Not reported |
| Owner: | Fred Sannipoli |
| Total Gallons: | Not reported |
| CERSID: | 10319068 |
| Facility ID: | Not reported |
| Business Name: | Sannipoli Corporation |
| Phone: | 9519288022 |
| Fax: | 9519288026 |
| Mailing Address: | P O Box 1417 |
| Mailing Address City: | Romoland |
| Mailing Address State: | CA |
| Mailing Address Zip Code: | 92585 |
| Operator Name: | Fred Sannipoli |
| Operator Phone: | 9519288022 |
| Owner Phone: | 9516767842 |
| Owner Mail Address: | 26250 Palomar Rd |
| Owner State: | CA |
| Owner Zip Code: | 92585 |
| Owner Country: | United States |
| Property Owner Name: | Not reported |
| Property Owner Phone: | Not reported |
| Property Owner Mailing Address: | Not reported |
| Property Owner City: | Not reported |
| Property Owner Stat : | Not reported |
| Property Owner Zip Code: | Not reported |
| Property Owner Country: | Not reported |
| EPAID: | CAL000364885 |

---

**2**
**North**
**< 1/8**
**0.090 mi.**
**473 ft.**

**CASS CONSTRUCTION, INC MENIFEE** **AST** **A100418494**
**26035 PALOMAR RD** **N/A**
**MENIFEE, CA 92585**

**Relative:**
**Higher**

**Actual:**
**1461 ft.**

AST:

| | |
|---|---|
| Certified Unified Program Agencies: | Not reported |
| Owner: | Cass Construction, Inc |
| Total Gallons: | Not reported |
| CERSID: | 10628875 |
| Facility ID: | Not reported |
| Business Name: | CASS CONSTRUCTION |
| Phone: | 619-593-4031 |
| Fax: | 619-593-4170 |
| Mailing Address: | PO Box 309 |
| Mailing Address City: | El Cajon |
| Mailing Address State: | CA |
| Mailing Address Zip Code: | 92020 |
| Operator Name: | Cass Construction, Inc Menifee |
| Operator Phone: | 619-593-4031 |
| Owner Phone: | 619-593-4031 |
| Owner Mail Address: | PO Box 309 |
| Owner State: | CA |
| Owner Zip Code: | 92020 |

**CASS CONSTRUCTION, INC MENIFEE (Continued)** **A100418494**

| | |
|---|---|
| Owner Country: | United States |
| Property Owner Name: | Not reported |
| Property Owner Phone: | Not reported |
| Property Owner Mailing Address: | Not reported |
| Property Owner City: | Not reported |
| Property Owner Stat : | Not reported |
| Property Owner Zip Code: | Not reported |
| Property Owner Country: | Not reported |
| EPAID: | CAL000405087 |

---

**3**
**ESE**
**< 1/8**
**0.101 mi.**
**532 ft.**

**ORCO BLOCK COMPANY ROMOLAND**
**26380 PALOMAR RD**
**ROMOLAND, CA 92585**

**AST** **A100423013**
**N/A**

**Relative:**
**Higher**

**Actual:**
**1461 ft.**

AST:

| | |
|---|---|
| Certified Unified Program Agencies: | Not reported |
| Owner: | Rick Muth |
| Total Gallons: | Not reported |
| CERSID: | 10317334 |
| Facility ID: | FA0016195 |
| Business Name: | ORCO Block Company Romoland |
| Phone: | (951) 928-3839 |
| Fax: | (951) 928-3153 |
| Mailing Address: | 26380 Palomar Rd |
| Mailing Address City: | Romoland |
| Mailing Address State: | CA |
| Mailing Address Zip Code: | 92585 |
| Operator Name: | Clint Russell |
| Operator Phone: | (951) 928-3839 |
| Owner Phone: | (714) 527-2239 |
| Owner Mail Address: | 11100 Beach Blvd. |
| Owner State: | CA |
| Owner Zip Code: | 90680 |
| Owner Country: | United States |
| Property Owner Name: | Not reported |
| Property Owner Phone: | Not reported |
| Property Owner Mailing Address: | Not reported |
| Property Owner City: | Not reported |
| Property Owner Stat : | Not reported |
| Property Owner Zip Code: | Not reported |
| Property Owner Country: | Not reported |
| EPAID: | CAL912673809 |

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**4**
**WNW**
**1/8-1/4**
**0.183 mi.**
**967 ft.**

**BLOCK GRAPHICS**
**28401 MATTHEWS**
**ROMOLAND, CA 92585**

**RCRA-SQG** **1004675775**
**FINDS** **CAR000076968**
**ECHO**
**HAZNET**

**Relative:**
**Lower**

**Actual:**
**1451 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 07/03/2000 |
| Facility name: | BLOCK GRAPHICS |
| Facility address: | 28401 MATTHEWS<br>ROMOLAND, CA 92585 |

**BLOCK GRAPHICS (Continued)** **1004675775**

EPA ID: CAR000076968
Contact: KEVIN WOLLENWEBER
Contact address: 28401 MATTHEWS
ROMOLAND, CA 92585
Contact country: US
Contact telephone: 909-928-1125
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BLOCK GRAPHICS
Owner/operator address: 28401 MATTHEWS
ROMOLAND, CA 92585
Owner/operator country: Not reported
Owner/operator telephone: 909-928-1125
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

**BLOCK GRAPHICS (Continued)** **1004675775**

FINDS:

Registry ID: 110002939580

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

| | |
|---|---|
| Envid: | 1004675775 |
| Registry ID: | 110002939580 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110002939580 |

HAZNET:

| | |
|---|---|
| envid: | 1004675775 |
| Year: | 2016 |
| GEPAID: | CAR000076968 |
| Contact: | MARK BEAMESDERFER |
| Telephone: | 9519281125 |
| Mailing Name: | Not reported |
| Mailing Address: | 28401 MATTHEWS ROAD |
| Mailing City,St,Zip: | ROMOLAND, CA 925850000 |
| Gen County: | Riverside |
| TSD EPA ID: | CAD097030993 |
| TSD County: | Los Angeles |
| Waste Category: | Photochemicals/photoprocessing waste |
| Disposal Method: | Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 0.22935 |
| Cat Decode: | Photochemicals/photoprocessing waste |
| Method Decode: | Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |

**BLOCK GRAPHICS (Continued)** **1004675775**

Facility County: Riverside

envid: 1004675775
Year: 2016
GEPAID: CAR000076968
Contact: MARK BEAMESDERFER
Telephone: 9519281125
Mailing Name: Not reported
Mailing Address: 28401 MATTHEWS ROAD
Mailing City,St,Zip: ROMOLAND, CA 925850000
Gen County: Riverside
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: Not reported
Cat Decode: Other organic solids
Method Decode: Not reported
Facility County: Riverside

envid: 1004675775
Year: 2016
GEPAID: CAR000076968
Contact: MARK BEAMESDERFER
Telephone: 9519281125
Mailing Name: Not reported
Mailing Address: 28401 MATTHEWS ROAD
Mailing City,St,Zip: ROMOLAND, CA 925850000
Gen County: Riverside
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.5012
Cat Decode: Off-specification, aged or surplus inorganics
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Riverside

envid: 1004675775
Year: 2015
GEPAID: CAR000076968
Contact: MARK BEAMESDERFER
Telephone: 9519281125
Mailing Name: Not reported
Mailing Address: 28401 MATTHEWS ROAD
Mailing City,St,Zip: ROMOLAND, CA 925850000
Gen County: Riverside
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.8757
Cat Decode: Not reported
Method Decode: Not reported

**BLOCK GRAPHICS (Continued)** **1004675775**

| | |
|---|---|
| Facility County: | Riverside |
| envid: | 1004675775 |
| Year: | 2015 |
| GEPAID: | CAR000076968 |
| Contact: | MARK BEAMESDERFER |
| Telephone: | 9519281125 |
| Mailing Name: | Not reported |
| Mailing Address: | 28401 MATTHEWS ROAD |
| Mailing City,St,Zip: | ROMOLAND, CA 925850000 |
| Gen County: | Riverside |
| TSD EPA ID: | CAD982444481 |
| TSD County: | San Bernardino |
| Waste Category: | Off-specification, aged or surplus inorganics |
| Disposal Method: | Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135) |
| Tons: | 1.8348 |
| Cat Decode: | Not reported |
| Method Decode: | Not reported |
| Facility County: | Riverside |

Click this hyperlink while viewing on your computer to access
84 additional CA_HAZNET: record(s) in the EDR Site Report.

---

**A5** **B.P. JOHN RECYCLING INC.** **SWF/LF** **S106528977**
**SE** **28700 MATHEWS ROAD** **N/A**
**1/8-1/4** **ROMOLAND, CA**
**0.218 mi.**
**1153 ft.** **Site 1 of 2 in cluster A**

**Relative:** **Higher**

**Actual:** **1458 ft.**

SWF/LF (SWIS):

| | |
|---|---|
| Facility ID: | 33-AA-0301 |
| Lat/Long: | 33.7385 / -117.16126 |
| Owner Name: | Metzler Investements, Calif. Lmt. Part. |
| Owner Telephone: | 9096961144 |
| Owner Address: | Edward F. Metzler |
| Owner Address2: | 38875 Avenida La Cresta |
| Owner City,St,Zip: | Murrieta, CA 92562-9155 |
| Operational Status: | Active |
| Operator: | B.P. John Recycling, Inc. |
| Operator Phone: | 9096961144 |
| Operator Address: | Edward Metzler / B.P. John Hauling |
| Operator Address2: | 38875 Avenida La Cresta |
| Operator City,St,Zip: | Murrieta, CA 92562-9155 |
| Permit Date: | 01/11/2006 |
| Permit Status: | Notification |
| Permitted Acreage: | 6.2 |
| Activity: | Chipping and Grinding Activity Fac./ Op. |
| Regulation Status: | Notification |
| Landuse Name: | Not reported |
| GIS Source: | Map |
| Category: | Composting |
| Unit Number: | 01 |
| Inspection Frequency: | Quarterly |
| Accepted Waste: | Green Materials,Wood waste |
| Closure Date: | Not reported |
| Closure Type: | Not reported |
| Disposal Acreage: | Not reported |

**B.P. JOHN RECYCLING INC. (Continued)** **S106528977**

| | |
|---|---|
| SWIS Num: | 33-AA-0301 |
| Waste Discharge Requirement Num: | Not reported |
| Program Type: | Not reported |
| Permitted Throughput with Units: | 1000 |
| Actual Throughput with Units: | Tons/day |
| Permitted Capacity with Units: | 312000 |
| Remaining Capacity: | Not reported |
| Remaining Capacity with Units: | Tons/year |
| Lat/Long: | 33.7385 / -117.16126 |

---

**A6** **B.P. JOHN RECYCLING, INC.** **SWF/LF** **S109287145**
**SE** **28700 MATTHEWS RD** **LDS** **N/A**
**1/8-1/4** **ROMOLAND, CA 92585**
**0.218 mi.**
**1153 ft.** **Site 2 of 2 in cluster A**

**Relative:**
**Higher**

**Actual:**
**1458 ft.**

LOS ANGELES CO. LF:

| | |
|---|---|
| Site ID: | 2744 |
| Alt. Address: | N/A |
| Site Contact: | Not reported |
| Site Contact Phone: | (951) 696-1144 |
| Site Email: | Not reported |
| Site Website: | N/A |
| Site Type: | Out-of-County Facility |
| Site SWIS Number: | 33-AA-0301 |
| Beginning Operation Date: | N/A |
| Ending Operation Date: | N/A |
| Local Enforcement Agency: | County of Riverside Community Health Agency |
| Maximun Depth Fill(Ft): | Not reported |
| Permitted Capacity: | 1000 |
| Present Use: | Chipping and Grinding Activity Fac./ Op. |
| Remaining Capacity(Million): | N/A |
| Status: | Active |
| Waste Accepted: | Green Materials; |
| Hours of Operation: | Monday - Friday 7 am - 4:30 pm; Saturday 7 am - 1 pm |
| Disposal Area (Acre): | Not reported |

Detail As Of 01/2014:

| | |
|---|---|
| Operator Name: | Unknown |
| Operator Address: | Not reported |
| Operator City/State/Zip: | Not reported |
| Operator Contact: | Not reported |
| Operator Telephone: | Not reported |
| Operator Email: | Not reported |
| Owner Name: | Unknown |
| Owner Address: | Not reported |
| Owner City/State/Zip: | Not reported |
| Owner Contact: | Not reported |
| Owner Telephone: | Not reported |
| Owner Email: | Not reported |

LDS:

| | |
|---|---|
| Global Id: | L10008871055 |
| Latitude: | 33.7385 |
| Longitude: | -117.1612 |
| Case Type: | Land Disposal Site |
| Status: | Completed - Case Closed |

**B.P. JOHN RECYCLING, INC. (Continued)** **S109287145**

| | |
|---|---|
| Status Date: | 01/01/1965 |
| Lead Agency: | SANTA ANA RWQCB (REGION 8) |
| Caseworker: | JPL |
| Local Agency: | Not reported |
| RB Case Number: | 8 332717001 |
| LOC Case Number: | Not reported |
| File Location: | Regional Board |
| Potential Media Affect: | Not reported |
| EDR Link ID: | L10008871055 |
| Potential Contaminants of Concern: | Not reported |
| Site History: | The facility is still in operation. However, the site is no longer regulated by the Regional Board, pending the adoption of a general conditional waiver for composting operations. Please visit the CalRecycle website at (http://www.calrecycle.ca.gov/SWFacilities/Directory/Search.aspx) for updated facility information. |

Click here to access the California GeoTracker records for this facility:

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**B7** **AHERN RENTALS, INC.** **AST** **A100416957**
**NW** **28261 E. HIGHWAY 74** **N/A**
**1/8-1/4** **ROMOLAND, CA 92585**
**0.232 mi.**
**1225 ft.** **Site 1 of 2 in cluster B**

**Relative:** AST:
**Lower**

**Actual:** | | |
|---|---|
| **1456 ft.** Certified Unified Program Agencies: | Not reported |
| Owner: | Ahern Rentals, Inc. |
| Total Gallons: | Not reported |
| CERSID: | 10123288 |
| Facility ID: | FA0016119 |
| Business Name: | Ahern Rentals, Inc |
| Phone: | 951-938-8242 |
| Fax: | 619-938-0215 |
| Mailing Address: | 1401 Mineral Avenue |
| Mailing Address City: | Las Vegas |
| Mailing Address State: | NV |
| Mailing Address Zip Code: | Not reported |
| Operator Name: | Ahern Rentals, Inc. |
| Operator Phone: | 702-631-4250 |
| Owner Phone: | 702-631-4250 |
| Owner Mail Address: | 1401 Mineral Avenue |
| Owner State: | NV |
| Owner Zip Code: | 89106 |
| Owner Country: | United States |
| Property Owner Name: | DFA, llc |
| Property Owner Phone: | Not reported |
| Property Owner Mailing Address: | 1401 Mineral Avenue |
| Property Owner City: | Las Vegas |
| Property Owner Stat : | NV |
| Property Owner Zip Code: | 89106 |
| Property Owner Country: | United States |
| EPAID: | CAL000311509 |

**B8** **MATTHEWS INTERNATIONAL CORP** **RCRA-SQG** **1000409374**
**NW** **28261 HWY. 74** **FINDS** **CAD981386956**
**1/8-1/4** **ROMOLAND, CA 92585** **ECHO**
**0.232 mi.** **EMI**
**1225 ft.** **Site 2 of 2 in cluster B** **HAZNET**

**Relative:**
**Lower**

**Actual:**
**1456 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 09/01/1996 |
| Facility name: | MATTHEWS INTERNATIONAL CORP |
| Facility address: | 28261 HWY 74<br>ROMOLAND, CA 92585 |
| EPA ID: | CAD981386956 |
| Mailing address: | P O BOX N<br>SUN CITY, CA 92381 |
| Contact: | Not reported |
| Contact address: | Not reported<br>Not reported |
| Contact country: | US |
| Contact telephone: | Not reported |
| Contact email: | Not reported |
| EPA Region: | 09 |
| Land type: | Facility is not located on Indian land. Additional information is not known. |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | NOT REQUIRED |
| Owner/operator address: | NOT REQUIRED<br>NOT REQUIRED, ME 99999 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | 415-555-1212 |
| Owner/operator email: | Not reported |
| Owner/operator fax: | Not reported |
| Owner/operator extension: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | MATTHEWS INTNL CORP |
| Owner/operator address: | NOT REQUIRED<br>NOT REQUIRED, ME 99999 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | 415-555-1212 |
| Owner/operator email: | Not reported |
| Owner/operator fax: | Not reported |
| Owner/operator extension: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:
U.S. importer of hazardous waste: No

**MATTHEWS INTERNATIONAL CORP (Continued)** **1000409374**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: MATTHEWS INTERNATIONAL CORP
Classification: Small Quantity Generator

Date form received by agency: 02/11/1986
Site name: MATTHEWS INTERNATIONAL CORP
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 06/24/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110000608343

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**MATTHEWS INTERNATIONAL CORP (Continued)** **1000409374**

ECHO:

| | |
|---|---|
| Envid: | 1000409374 |
| Registry ID: | 110000608343 |
| DFR URL: | http://echo.epa.gov/detailed-facility-report?fid=110000608343 |

EMI:

| | |
|---|---|
| Year: | 1990 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 6 |
| Reactive Organic Gases Tons/Yr: | 2 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 0 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 0 |

| | |
|---|---|
| Year: | 1995 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 13 |
| Reactive Organic Gases Tons/Yr: | 8 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 17 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 12 |

| | |
|---|---|
| Year: | 1997 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 2 |
| Reactive Organic Gases Tons/Yr: | 2 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 10 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 7 |

**MATTHEWS INTERNATIONAL CORP (Continued)** **1000409374**

| | |
|---|---|
| Year: | 1998 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 2 |
| Reactive Organic Gases Tons/Yr: | 2 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 10 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 7 |

| | |
|---|---|
| Year: | 1999 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 2 |
| Reactive Organic Gases Tons/Yr: | 2 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 10 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 7 |

| | |
|---|---|
| Year: | 2000 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 2 |
| Reactive Organic Gases Tons/Yr: | 2 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 10 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 7 |

| | |
|---|---|
| Year: | 2001 |
| County Code: | 33 |
| Air Basin: | SC |
| Facility ID: | 11417 |
| Air District Name: | SC |
| SIC Code: | 3366 |

**MATTHEWS INTERNATIONAL CORP (Continued)** **1000409374**

| | |
|---|---|
| Air District Name: | SOUTH COAST AQMD |
| Community Health Air Pollution Info System: | Not reported |
| Consolidated Emission Reporting Rule: | Not reported |
| Total Organic Hydrocarbon Gases Tons/Yr: | 6 |
| Reactive Organic Gases Tons/Yr: | 3 |
| Carbon Monoxide Emissions Tons/Yr: | 0 |
| NOX - Oxides of Nitrogen Tons/Yr: | 0 |
| SOX - Oxides of Sulphur Tons/Yr: | 0 |
| Particulate Matter Tons/Yr: | 10 |
| Part. Matter 10 Micrometers and Smllr Tons/Yr: | 7 |

HAZNET:

| | |
|---|---|
| envid: | 1000409374 |
| Year: | 2006 |
| GEPAID: | CAD981386956 |
| Contact: | ROCKY THORNTON |
| Telephone: | 9099281974 |
| Mailing Name: | Not reported |
| Mailing Address: | PO BOX 460 |
| Mailing City,St,Zip: | SUN CITY, CA 925860460 |
| Gen County: | Not reported |
| TSD EPA ID: | AZD983481813 |
| TSD County: | Not reported |
| Waste Category: | Contaminated soil from site clean-up |
| Disposal Method: | Disposal, Land Fill |
| Tons: | 7.58 |
| Cat Decode: | Not reported |
| Method Decode: | Not reported |
| Facility County: | Riverside |

| | |
|---|---|
| envid: | 1000409374 |
| Year: | 2006 |
| GEPAID: | CAD981386956 |
| Contact: | ROCKY THORNTON |
| Telephone: | 9099281974 |
| Mailing Name: | Not reported |
| Mailing Address: | PO BOX 460 |
| Mailing City,St,Zip: | SUN CITY, CA 925860460 |
| Gen County: | Not reported |
| TSD EPA ID: | ARD981057870 |
| TSD County: | Not reported |
| Waste Category: | Oxygenated solvents (acetone, butanol, ethyl acetate, etc.) |
| Disposal Method: | Not reported |
| Tons: | 0.68 |
| Cat Decode: | Not reported |
| Method Decode: | Not reported |
| Facility County: | Riverside |

| | |
|---|---|
| envid: | 1000409374 |
| Year: | 2006 |
| GEPAID: | CAD981386956 |
| Contact: | ROCKY THORNTON |
| Telephone: | 9099281974 |
| Mailing Name: | Not reported |
| Mailing Address: | PO BOX 460 |
| Mailing City,St,Zip: | SUN CITY, CA 925860460 |
| Gen County: | Not reported |

**MATTHEWS INTERNATIONAL CORP (Continued)** **1000409374**

TSD EPA ID: ARD981057870
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0.05
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: 1000409374
Year: 2006
GEPAID: CAD981386956
Contact: ROCKY THORNTON
Telephone: 9099281974
Mailing Name: Not reported
Mailing Address: PO BOX 460
Mailing City,St,Zip: SUN CITY, CA 925860460
Gen County: Not reported
TSD EPA ID: ARD981057870
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Not reported
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

envid: 1000409374
Year: 2006
GEPAID: CAD981386956
Contact: ROCKY THORNTON
Telephone: 9099281974
Mailing Name: Not reported
Mailing Address: PO BOX 460
Mailing City,St,Zip: SUN CITY, CA 925860460
Gen County: Not reported
TSD EPA ID: ARD981057870
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
29 additional CA_HAZNET: record(s) in the EDR Site Report.

**9**
**NW**
**1/2-1**
**0.532 mi.**
**2809 ft.**

**HIGH SCHOOL NO. 3**
**BRIGGS ROAD/PINACATE ROAD**
**ROMOLAND, CA 92585**

**ENVIROSTOR**
**SCH**

**S105840774**
**N/A**

**Relative:**
**Lower**

**Actual:**
**1449 ft.**

ENVIROSTOR:

| | |
|---|---|
| Facility ID: | 33010072 |
| Status: | No Further Action |
| Status Date: | 03/19/2003 |
| Site Code: | 404438 |
| Site Type: | School Investigation |
| Site Type Detailed: | School |
| Acres: | 60 |
| NPL: | NO |
| Regulatory Agencies: | DTSC |
| Lead Agency: | DTSC |
| Program Manager: | Not reported |
| Supervisor: | Javier Hinojosa |
| Division Branch: | Southern California Schools & Brownfields Outreach |
| Assembly: | 67 |
| Senate: | 23 |
| Special Program: | Not reported |
| Restricted Use: | NO |
| Site Mgmt Req: | NONE SPECIFIED |
| Funding: | School District |
| Latitude: | 33.74451 |
| Longitude: | -117.1718 |
| APN: | NONE SPECIFIED |
| Past Use: | AGRICULTURAL - ROW CROPS |
| Potential COC: | Aldrin Chlordane DDD DDE DDT Dieldrin Endosulfan Endrin HCH (alpha HCH (beta HCH (gamma) Lindane HCH-technical Heptachlor Heptachlor epoxide Mirex Toxaphene TPH-diesel TPH-gas PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016 Polybrominated biphenyls Polychlorinated biphenyls (PCBs Polychlorinated biphenyls (PCBs, see IRIS Polynuclear aromatic hydrocarbons (PAHs |
| Confirmed COC: | 30004-NO 30006-NO 30007-NO 30008-NO 30010-NO 30019-NO 30024-NO 30025-NO 30468-NO 30470-NO 30309-NO 30313-NO 30314-NO 30315-NO 30316-NO 30207-NO 30467-NO 30469-NO 30400-NO 30261-NO 30043-NO 30308-NO 30018-NO 30023-NO |
| Potential Description: | SOIL |
| Alias Name: | AGRI-EMPIRE |
| Alias Type: | Alternate Name |
| Alias Name: | HIGH SCHOOL NO. 3 |
| Alias Type: | Alternate Name |
| Alias Name: | PERRIS UNION HIGH SCHOOL DISTRICT |
| Alias Type: | Alternate Name |
| Alias Name: | PERRIS UNION HSD-PROPOSED HIGH SCHOOL #3 |
| Alias Type: | Alternate Name |
| Alias Name: | 404438 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 33010072 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Preliminary Endangerment Assessment Report |
| Completed Date: | 09/15/2004 |

**HIGH SCHOOL NO. 3 (Continued)** **S105840774**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/29/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/02/2003
Comments: Phase 1 Draft

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 03/19/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/12/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 33010072
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 60
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404438
Assembly: 67
Senate: 23
Special Program Status: Not reported
Status: No Further Action
Status Date: 03/19/2003
Restricted Use: NO

**HIGH SCHOOL NO. 3 (Continued)** **S105840774**

| | |
|---|---|
| Funding: | School District |
| Latitude: | 33.74451 |
| Longitude: | -117.1718 |
| APN: | NONE SPECIFIED |
| Past Use: | AGRICULTURAL - ROW CROPS |
| Potential COC: | Aldrin, Chlordane, DDD, DDE, DDT, Dieldrin, Endosulfan, Endrin, HCH (alpha, HCH (beta, HCH (gamma) Lindane, HCH-technical, Heptachlor, Heptachlor epoxide, Mirex, Toxaphene, TPH-diesel, TPH-gas, PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254, PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016, Polybrominated biphenyls, Polychlorinated biphenyls (PCBs, Polychlorinated biphenyls (PCBs, see IRIS, Polynuclear aromatic hydrocarbons (PAHs |
| Confirmed COC: | 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO, 30019-NO, 30024-NO, 30025-NO, 30468-NO, 30470-NO, 30309-NO, 30313-NO, 30314-NO, 30315-NO, 30316-NO, 30207-NO, 30467-NO, 30469-NO, 30400-NO, 30261-NO, 30043-NO, 30308-NO, 30018-NO, 30023-NO |
| Potential Description: | SOIL |
| Alias Name: | AGRI-EMPIRE |
| Alias Type: | Alternate Name |
| Alias Name: | HIGH SCHOOL NO. 3 |
| Alias Type: | Alternate Name |
| Alias Name: | PERRIS UNION HIGH SCHOOL DISTRICT |
| Alias Type: | Alternate Name |
| Alias Name: | PERRIS UNION HSD-PROPOSED HIGH SCHOOL #3 |
| Alias Type: | Alternate Name |
| Alias Name: | 404438 |
| Alias Type: | Project Code (Site Code) |
| Alias Name: | 33010072 |
| Alias Type: | Envirostor ID Number |

Completed Info:

| | |
|---|---|
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Preliminary Endangerment Assessment Report |
| Completed Date: | 09/15/2004 |
| Comments: | Not reported |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | * Workplan |
| Completed Date: | 12/29/2003 |
| Comments: | Not reported |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Phase 1 |
| Completed Date: | 03/02/2003 |
| Comments: | Phase 1 Draft |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Environmental Oversight Agreement |
| Completed Date: | 03/19/2003 |
| Comments: | Not reported |
| Completed Area Name: | PROJECT WIDE |
| Completed Sub Area Name: | Not reported |
| Completed Document Type: | Cost Recovery Closeout Memo |

**HIGH SCHOOL NO. 3 (Continued)** **S105840774**

| | |
|---|---|
| Completed Date: | 01/12/2005 |
| Comments: | Not reported |
| | |
| Future Area Name: | Not reported |
| Future Sub Area Name: | Not reported |
| Future Document Type: | Not reported |
| Future Due Date: | Not reported |
| Schedule Area Name: | Not reported |
| Schedule Sub Area Name: | Not reported |
| Schedule Document Type: | Not reported |
| Schedule Due Date: | Not reported |
| Schedule Revised Date: | Not reported |

Count: 0 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| | | NO SITES FOUND | | | |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

***Federal institutional controls / engineering controls registries***

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 79

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

***State- and tribal - equivalent NPL***

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

***State and tribal leaking storage tank lists***

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

***State and tribal registered storage tank lists***

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 26
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

***State and tribal voluntary cleanup sites***

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

***State and tribal Brownfields sites***

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 86

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

***Local Lists of Registered Storage Tanks***

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

***Local Land Records***

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

***Other Ascertainable Records***

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/01/2018
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 09/11/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 107

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA SAN FRANCISCO CO

Cupa facilities

Date of Government Version: 04/20/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner’s agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: DRYCLEAN SOUTH COAST

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/16/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/19/2018
Number of Days to Update: 43

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 09/13/2018
Number of Days to Update: 64

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 93

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Varies

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**EDR RECOVERED GOVERNMENT ARCHIVES**

***Exclusive Recovered Govt. Archives***

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**COUNTY RECORDS**

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/03/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/06/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 63

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

BUTTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/12/2018
Date Data Arrived at EDR: 07/12/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 43

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 49

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 59
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/31/2018
Number of Days to Update: 68

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 57

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/30/2018
Date Data Arrived at EDR: 06/01/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/02/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 41

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/12/2018
Number of Days to Update: 61

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31
Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 06/07/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 28
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 59

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 16

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/11/2018
Number of Days to Update: 36
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90
Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51
Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 40
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 30
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/19/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/17/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 09/13/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 41

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 04/26/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 28
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/12/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

POSSIBLE LEASE PROPERTY
26255 PALOMAR ROAD
MENIFEE, CA 92585

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 33.739511 - 33° 44' 22.24'' |
| Longitude (West): | 117.163581 - 117° 9' 48.89'' |
| Universal Tranverse Mercator: | Zone 11 |
| UTM X (Meters): | 484847.3 |
| UTM Y (Meters): | 3733092.5 |
| Elevation: | 1458 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 5641314 ROMOLAND, CA |
| Version Date: | 2012 |
| North Map: | 5641330 PERRIS, CA |
| Version Date: | 2012 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

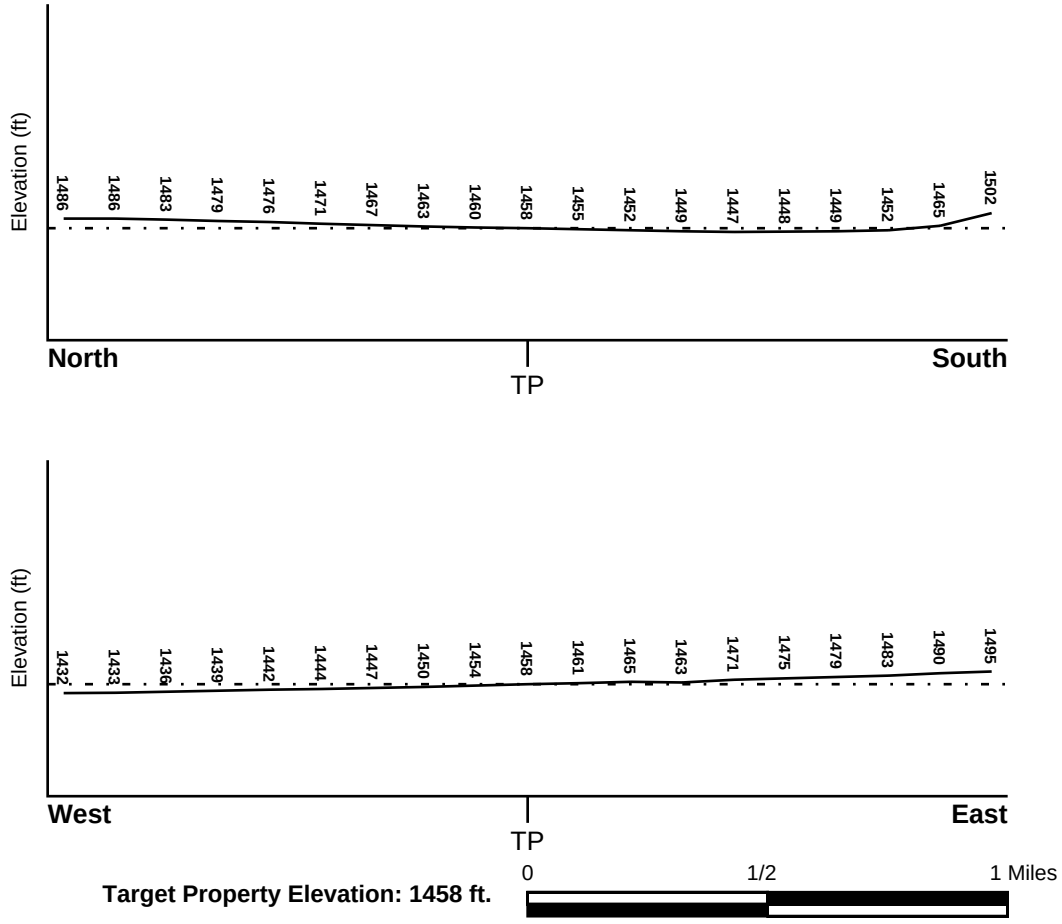
**TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**TARGET PROPERTY TOPOGRAPHY**

General Topographic Gradient: General SW

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE**

| Flood Plain Panel at Target Property | FEMA Source Type |
|---|---|
| 06065C2060H | FEMA FIRM Flood data |

| Additional Panels in search area: | FEMA Source Type |
|---|---|
| 06065C1445H | FEMA FIRM Flood data |

**NATIONAL WETLAND INVENTORY**

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| NOT AVAILABLE | YES - refer to the Overview Map and Detail Map |

**HYDROGEOLOGIC INFORMATION**

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

| | |
|---|---|
| Search Radius: | 1.25 miles |
| Status: | Not found |

**AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| Not Reported | | |

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

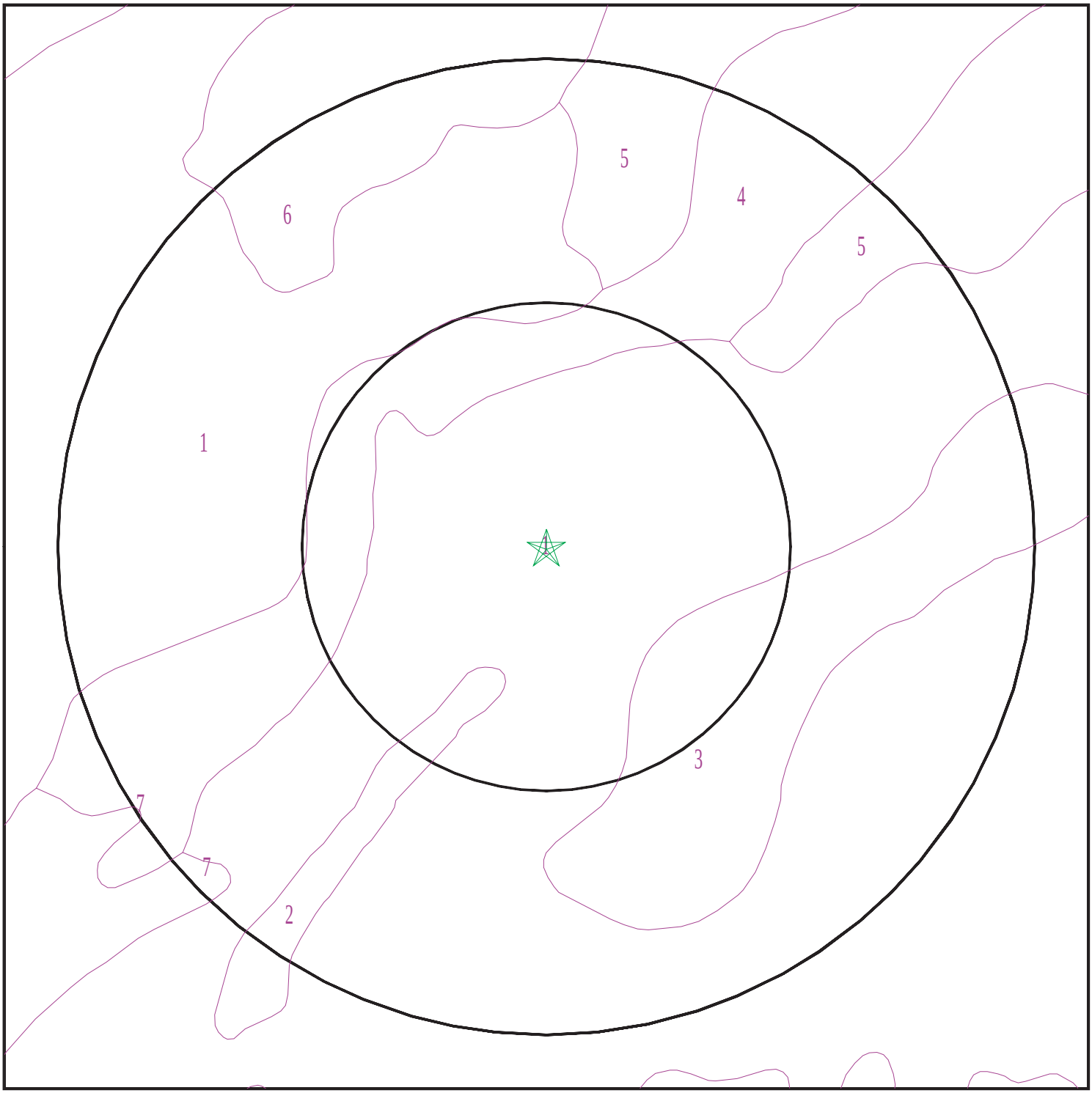
| | |
|---|---|
| Era: | Mesozoic |
| System: | Cretaceous |
| Series: | Cretaceous granitic rocks |
| Code: | Kg *(decoded above as Era, System & Series)* |

**GEOLOGIC AGE IDENTIFICATION**

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5427697.2s




Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

| | | | |
|---|---|---|---|
| SITE NAME: | Possible Lease Property | CLIENT: | ATC Group Services LLC |
| ADDRESS: | 26255 Palomar Road<br>Menifee CA 92585 | CONTACT: | Victoria Rojo |
| | | INQUIRY #: | 5427697.2s |
| LAT/LONG: | 33.739511 / 117.163581 | DATE: | September 18, 2018 2:17 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

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**Soil Map ID: 1**

Soil Component Name: EXETER

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 16 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |
| 2 | 16 inches | 37 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |
| 3 | 37 inches | 50 inches | indurated | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |
| 4 | 50 inches | 59 inches | stratified sandy loam to silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |

**Soil Map ID: 2**

Soil Component Name: MONSERATE

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**Soil Layer Information**

| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 2 | 9 inches | 27 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 3 | 27 inches | 44 inches | indurated | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 4 | 44 inches | 57 inches | cemented | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 5 | 57 inches | 70 inches | loamy coarse sand | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 3**

Soil Component Name: EXETER

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 16 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |
| 2 | 16 inches | 37 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |
| 3 | 37 inches | 50 inches | indurated | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |
| 4 | 50 inches | 59 inches | stratified sandy loam to silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 7.4 |

**Soil Map ID: 4**

Soil Component Name: GREENFIELD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**Soil Layer Information**

| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 25 inches | sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 42<br>Min: 14 | Max: 8.4<br>Min: 6.6 |
| 2 | 25 inches | 42 inches | fine sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 42<br>Min: 14 | Max: 8.4<br>Min: 6.6 |
| 3 | 42 inches | 59 inches | loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 42<br>Min: 14 | Max: 8.4<br>Min: 6.6 |
| 4 | 59 inches | 72 inches | stratified loamy sand to sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 42<br>Min: 14 | Max: 8.4<br>Min: 6.6 |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 5**

Soil Component Name: RAMONA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 14 inches | sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 6.6 |
| 2 | 14 inches | 22 inches | fine sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 6.6 |
| 3 | 22 inches | 68 inches | sandy clay loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 6.6 |
| 4 | 68 inches | 74 inches | gravelly sandy loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4<br>Min: 1.4 | Max: 8.4<br>Min: 6.6 |

**Soil Map ID: 6**

Soil Component Name: PACHAPPA

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

**Soil Layer Information**

| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
|---|---|---|---|---|---|---|---|
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 20 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 2 | 20 inches | 40 inches | loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 3 | 40 inches | 62 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |

**Soil Map ID: 7**

Soil Component Name: MONSERATE

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 9 inches | sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 2 | 9 inches | 18 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 3 | 18 inches | 44 inches | indurated | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 4 | 44 inches | 57 inches | cemented | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |
| 5 | 57 inches | 70 inches | loamy coarse sand | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 14<br>Min: 4 | Max: 8.4<br>Min: 6.6 |

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**WELL SEARCH DISTANCE INFORMATION**

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | USGS40000137600 | 1/4 - 1/2 Mile South |
| B3 | USGS40000137651 | 1/2 - 1 Mile WSW |
| C5 | USGS40000137493 | 1/2 - 1 Mile South |
| 7 | USGS40000137841 | 1/2 - 1 Mile NW |
| D9 | USGS40000137576 | 1/2 - 1 Mile SW |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

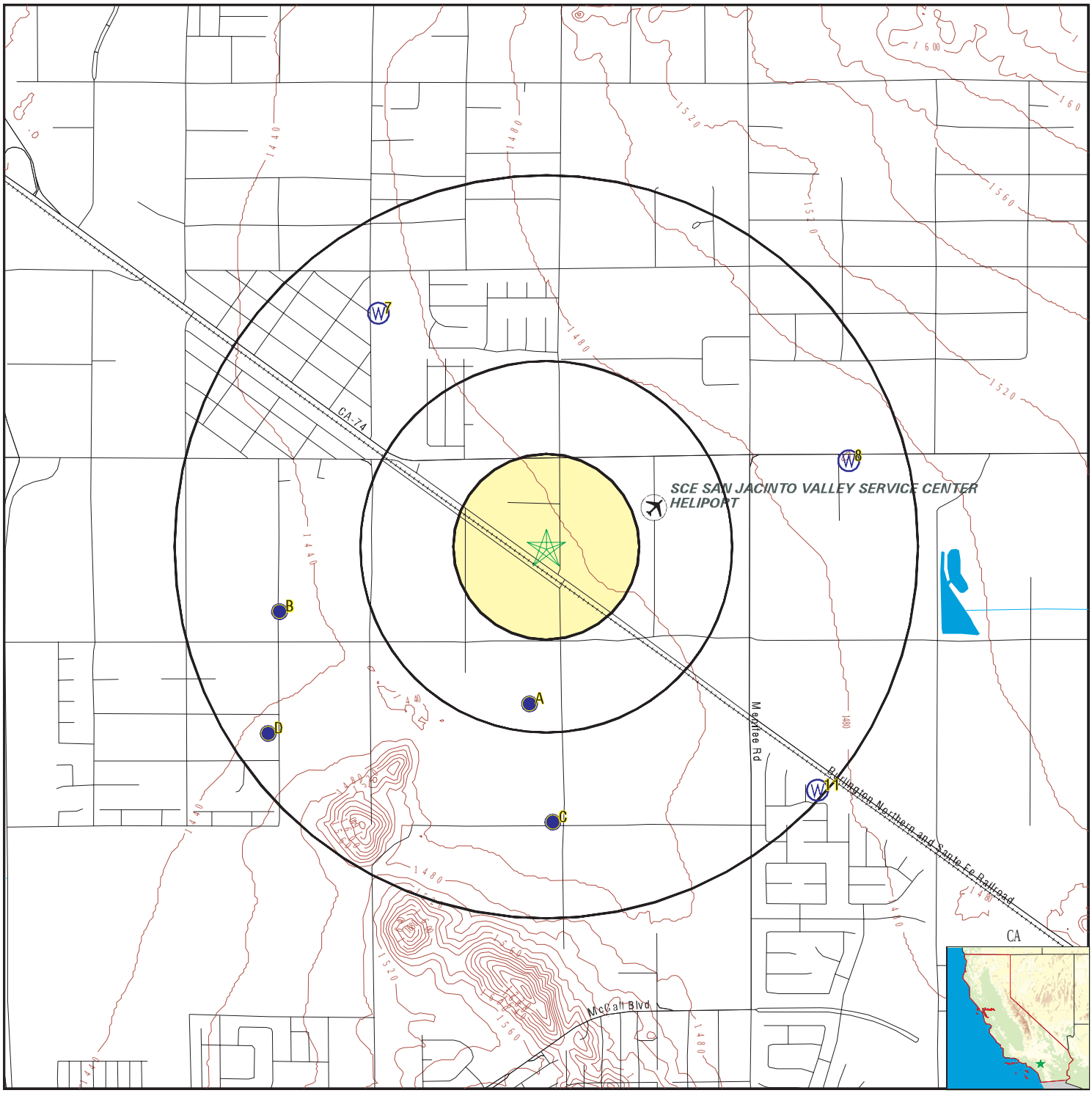
| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A2 | CADW60000020476 | 1/4 - 1/2 Mile South |
| C4 | CADW60000006167 | 1/2 - 1 Mile South |
| B6 | CADW60000007754 | 1/2 - 1 Mile WSW |
| 8 | CADW60000006164 | 1/2 - 1 Mile ENE |
| D10 | CADW60000007755 | 1/2 - 1 Mile WSW |
| 11 | CADW60000007753 | 1/2 - 1 Mile SE |

# PHYSICAL SETTING SOURCE MAP - 5427697.2s




- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

| | | | |
|---|---|---|---|
| SITE NAME: | Possible Lease Property | CLIENT: | ATC Group Services LLC |
| ADDRESS: | 26255 Palomar Road<br>Menifee CA 92585 | CONTACT: | Victoria Rojo |
| | | INQUIRY #: | 5427697.2s |
| LAT/LONG: | 33.739511 / 117.163581 | DATE: | September 18, 2018 2:17 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**A1**
**South**
**1/4 - 1/2 Mile**
**Lower**

**FED USGS** **USGS40000137600**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S003W14L001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070202 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19800120 | Well Depth: | 200 |
| Well Depth Units: | ft | Well Hole Depth: | 200 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1995-06-05 |
| Feet below surface: | 71.83 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**A2**
**South**
**1/4 - 1/2 Mile**
**Lower**

**CA WELLS** **CADW60000020476**

| | | | |
|---|---|---|---|
| Objectid: | 20476 | Latitude: | 33.7334 |
| Longitude: | -117.1648 | Site code: | 337334N1171648W001 |
| State well numbe: | 05S03W14L001S | Local well name: | '' |
| Well use id: | 6 | Well use descrip: | Unknown |
| County id: | 33 | County name: | Riverside |
| Basin code: | '8-5' | Basin desc: | San Jacinto |
| Dwr region id: | 80238 | Dwr region: | Southern Region Office |
| Site id: | CADW60000020476 | | |

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**B3**
**WSW**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS40000137651**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S003W15H001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070202 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 220 |
| Well Depth Units: | ft | Well Hole Depth: | 220 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1995-05-05 |
| Feet below surface: | 101.32 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---|---|---|---|
| Level reading date: | 1993-11-19 | Feet below surface: | 110.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

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**C4**
**South** **CA WELLS** **CADW60000006167**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Objectid: | 6167 | Latitude: | 33.728882 |
| Longitude: | -117.163453 | Site code: | 337289N1171635W001 |
| State well numbe: | Not Reported | Local well name: | 'EMWD12774' |
| Well use id: | 3 | Well use descrip: | Irrigation |
| County id: | 33 | County name: | Riverside |
| Basin code: | '8-5' | Basin desc: | San Jacinto |
| Dwr region id: | 80238 | Dwr region: | Southern Region Office |
| Site id: | CADW60000006167 | | |

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**C5**
**South** **FED USGS** **USGS40000137493**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S003W14P001S | Type: | Well |
| Description: | WELL DEPTH IS AN APPROXIMATION | | |
| HUC: | 18070202 | Drainage Area: | Not Reported |
| Drainage Area Units: | Not Reported | Contrib Drainage Area: | Not Reported |
| Contrib Drainage Area Unts: | Not Reported | Aquifer: | California Coastal Basin aquifers |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 250 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

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**B6**
**WSW** **CA WELLS** **CADW60000007754**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Objectid: | 7754 | Latitude: | 33.737 |
| Longitude: | -117.1765 | Site code: | 337370N1171765W001 |
| State well numbe: | 05S03W15H001S | Local well name: | '' |
| Well use id: | 6 | Well use descrip: | Unknown |
| County id: | 33 | County name: | Riverside |
| Basin code: | '8-5' | Basin desc: | San Jacinto |
| Dwr region id: | 80238 | Dwr region: | Southern Region Office |
| Site id: | CADW60000007754 | | |

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**7**
**NW** **FED USGS** **USGS40000137841**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S003W11M002S | Type: | Well |
| Description: | Not Reported | HUC: | 18070202 |

| | | | |
|---|---|---|---|
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 787 |
| Well Depth Units: | ft | Well Hole Depth: | 787 |
| Well Hole Depth Units: | ft | | |

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**8**
**ENE** **CA WELLS** **CADW60000006164**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Objectid: | 6164 | Latitude: | 33.74287 |
| Longitude: | -117.149438 | Site code: | 337429N1171494W001 |
| State well numbe: | Not Reported | Local well name: | 'EMWD12759' |
| Well use id: | 1 | Well use descrip: | Observation |
| County id: | 33 | County name: | Riverside |
| Basin code: | '8-5' | Basin desc: | San Jacinto |
| Dwr region id: | 80238 | Dwr region: | Southern Region Office |
| Site id: | CADW60000006164 | | |

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**D9**
**SW** **FED USGS** **USGS40000137576**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 005S003W15Q001S | Type: | Well |
| Description: | Not Reported | HUC: | 18070202 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | California Coastal Basin aquifers | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19910404 | Well Depth: | 380 |
| Well Depth Units: | ft | Well Hole Depth: | 380 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|---|---|---|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1995-05-22 |
| Feet below surface: | 33.49 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

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**D10**
**WSW** **CA WELLS** **CADW60000007755**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Objectid: | 7755 | Latitude: | 33.7322 |
| Longitude: | -117.177 | Site code: | 337322N1171770W001 |
| State well numbe: | 05S03W15Q001S | Local well name: | '' |
| Well use id: | 6 | Well use descrip: | Unknown |
| County id: | 33 | County name: | Riverside |
| Basin code: | '8-5' | Basin desc: | San Jacinto |
| Dwr region id: | 80238 | Dwr region: | Southern Region Office |
| Site id: | CADW60000007755 | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| Database | EDR ID Number |
|---|---|
| **CA WELLS** | **CADW60000007753** |

**11**
**SE**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Objectid: | 7753 | Latitude: | 33.73 |
| Longitude: | -117.1509 | Site code: | 337300N1171509W001 |
| State well numbe: | 05S03W13N001S | Local well name: | '' |
| Well use id: | 6 | Well use descrip: | Unknown |
| County id: | 33 | County name: | Riverside |
| Basin code: | '8-5' | Basin desc: | San Jacinto |
| Dwr region id: | 80238 | Dwr region: | Southern Region Office |
| Site id: | CADW60000007753 | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---|---|---|
| 92585 | 6 | 0 |

Federal EPA Radon Zone for RIVERSIDE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 12

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | 0.117 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | 0.450 pCi/L | 100% | 0% | 0% |
| Basement | 1.700 pCi/L | 100% | 0% | 0% |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

AQUIFLOW$^{R}$ Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

**STREET AND ADDRESS INFORMATION**

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# APPENDIX F

# AERIAL PHOTOGRAPHS

**Possible Lease Property**

26255 Palomar Road

Menifee, CA 92585

Inquiry Number: 5427697.8

September 19, 2018

# The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

09/19/18

**Site Name:**

Possible Lease Property
26255 Palomar Road
Menifee, CA 92585
EDR Inquiry # 5427697.8

**Client Name:**

ATC Group Services LLC
25 Cupania Circle
Monterey Park, CA 91755
Contact: Victoria Rojo

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

***Search Results:***

| Year | Scale | Details | Source |
|---|---|---|---|
| 2016 | 1"=500' | Flight Year: 2016 | USDA/NAIP |
| 2012 | 1"=500' | Flight Year: 2012 | USDA/NAIP |
| 2009 | 1"=500' | Flight Year: 2009 | USDA/NAIP |
| 2006 | 1"=500' | Flight Year: 2006 | USDA/NAIP |
| 2002 | 1"=500' | Acquisition Date: June 06, 2002 | USGS/DOQQ |
| 1997 | 1"=500' | Flight Date: October 16, 1997 | USGS |
| 1989 | 1"=500' | Flight Date: August 15, 1989 | USDA |
| 1985 | 1"=500' | Flight Date: July 28, 1985 | USDA |
| 1978 | 1"=500' | Flight Date: September 20, 1978 | USDA |
| 1967 | 1"=500' | Flight Date: May 15, 1967 | USDA |
| 1961 | 1"=500' | Flight Date: August 18, 1961 | USDA |
| 1953 | 1"=500' | Flight Date: August 28, 1953 | USDA |
| 1949 | 1"=500' | Flight Date: May 23, 1949 | USDA |
| 1938 | 1"=500' | Flight Date: June 14, 1938 | USDA |

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INQUIRY #: 5427697.8
YEAR: 2016
= 500'
N
EDR

INQUIRY #: 5427697.8

YEAR: 2012

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 2009

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 2006

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 2002

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 1997

= 500'

N

EDR

INQUIRY #: 5427697.8
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 5427697.8
YEAR: 1985
= 500'
N
EDR

INQUIRY #: 5427697.8

YEAR: 1978

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 1967

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 1961

= 500'

N

EDR

INQUIRY #: 5427697.8

YEAR: 1953

= 500'

N

EDR

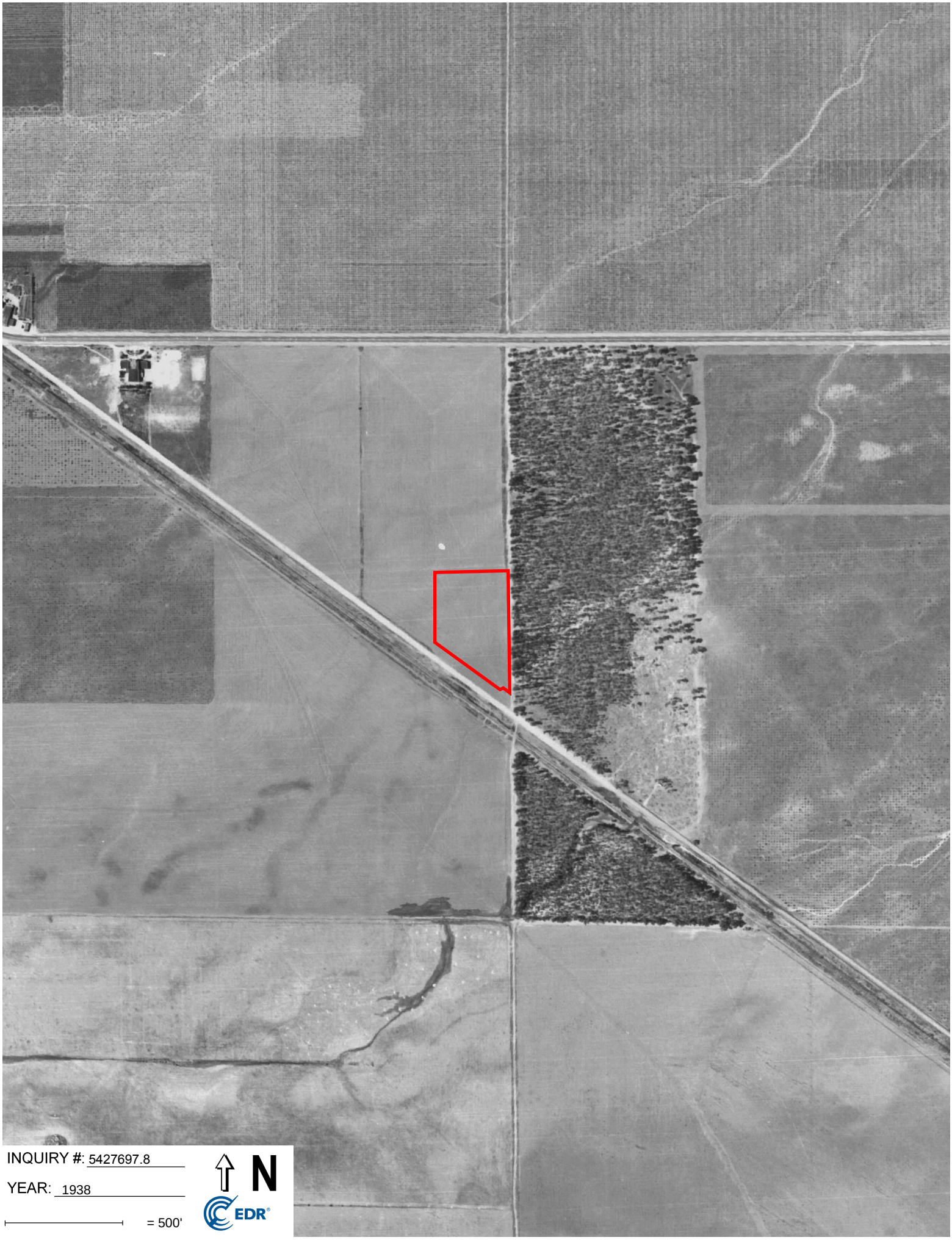
INQUIRY #: 5427697.8

YEAR: 1949

= 500'

N

EDR



INQUIRY #: 5427697.8

YEAR: 1938

= 500'

N

EDR

# APPENDIX G

# HISTORICAL RESEARCH DOCUMENTATION

Possible Lease Property
26255 Palomar Road
Menifee, CA 92585

Inquiry Number: 5427697.4
September 18, 2018

# EDR Historical Topo Map Report

## with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# EDR Historical Topo Map Report

09/18/18

**Site Name:**

Possible Lease Property
26255 Palomar Road
Menifee, CA 92585
EDR Inquiry # 5427697.4

**Client Name:**

ATC Group Services LLC
25 Cupania Circle
Monterey Park, CA 91755
Contact: Victoria Rojo

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ATC Group Services LLC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

***Search Results:***

**P.O.#** 1011601349 Ph. 1
**Project:** 1011601349 Forterra BP

***Coordinates:***

| | |
|---|---|
| **Latitude:** | 33.739511 33° 44' 22" North |
| **Longitude:** | -117.163581 -117° 9' 49" West |
| **UTM Zone:** | Zone 11 North |
| **UTM X Meters:** | 484847.69 |
| **UTM Y Meters:** | 3733286.10 |
| **Elevation:** | 1457.28' above sea level |

**Maps Provided:**

2012
1979
1973
1953
1947
1943
1942
1901

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## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2012 Source Sheets

Romoland
2012
7.5-minute, 24000

Perris
2012
7.5-minute, 24000

### 1979 Source Sheets

Romoland
1979
7.5-minute, 24000
Aerial Photo Revised 1976

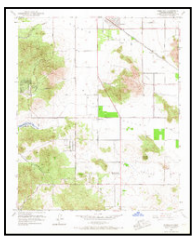
Perris
1979
7.5-minute, 24000
Aerial Photo Revised 1978

### 1973 Source Sheets

Romoland
1973
7.5-minute, 24000
Aerial Photo Revised 1973

Perris
1973
7.5-minute, 24000
Aerial Photo Revised 1973

### 1953 Source Sheets



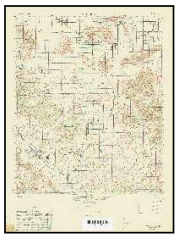
Romoland
1953
7.5-minute, 24000
Aerial Photo Revised 1951

Perris
1953
7.5-minute, 24000
Aerial Photo Revised 1951

## *Topo Sheet Key*

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 1947 Source Sheets



MURRIETA
1947
15-minute, 50000

### 1943 Source Sheets

PERRIS
1943
15-minute, 62500

Murrieta
1943
15-minute, 62500
Aerial Photo Revised 1939

### 1942 Source Sheets

Perris
1942
15-minute, 62500
Aerial Photo Revised 1939

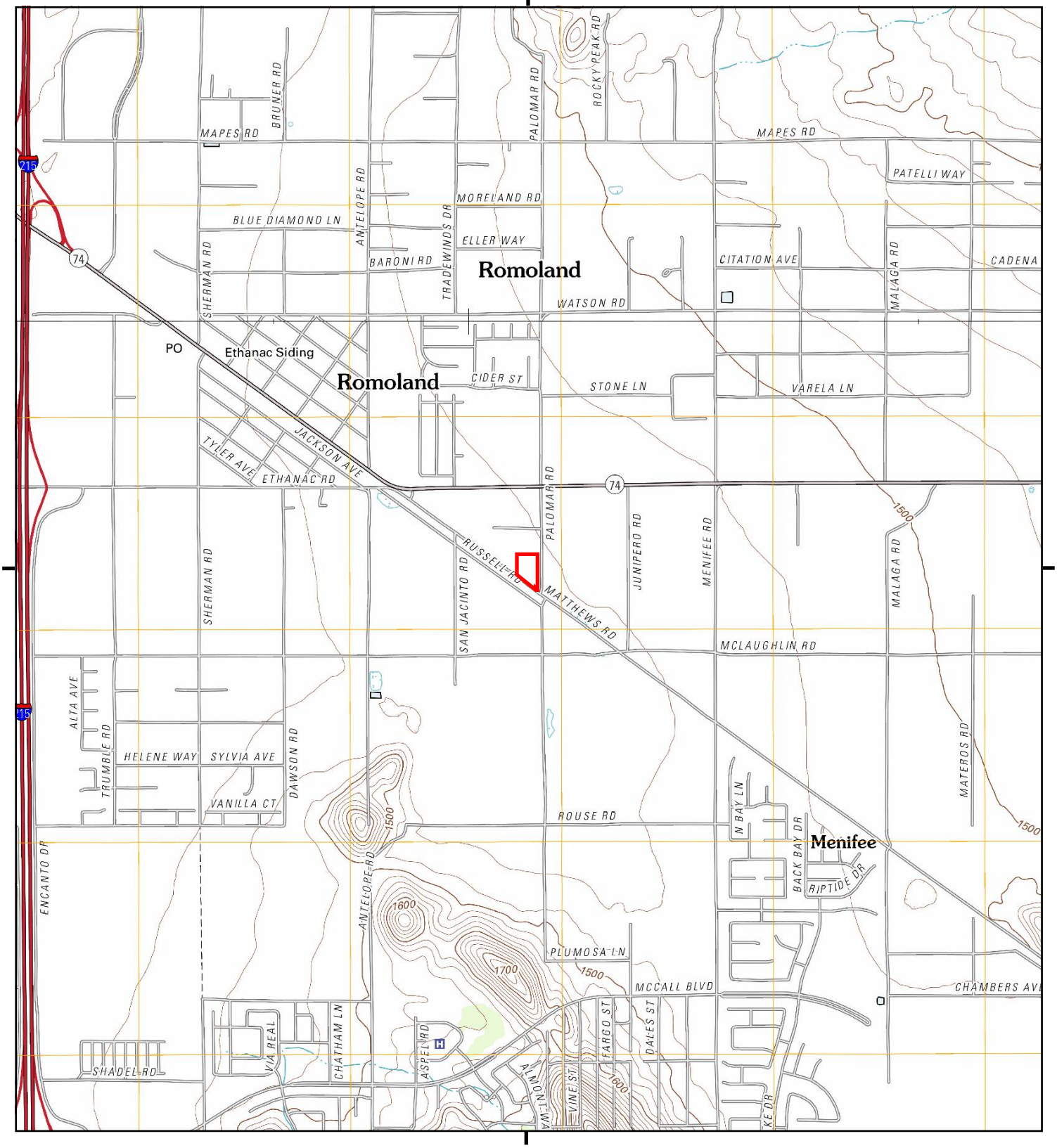
Murrieta
1942
15-minute, 62500
Aerial Photo Revised 1939

### 1901 Source Sheets

Elsinore
1901
30-minute, 125000

# Historical Topo Map

2012




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

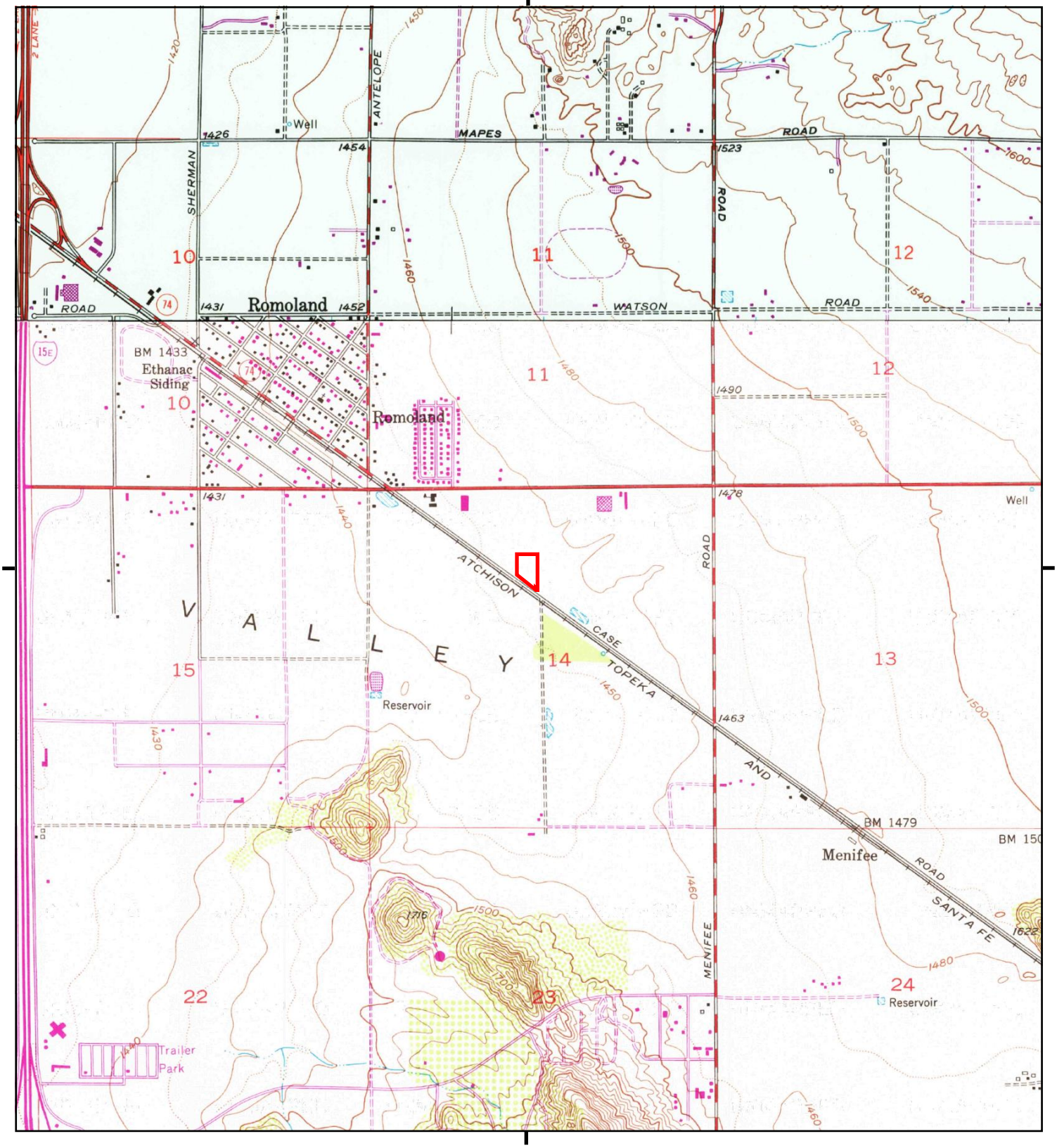
TP, Romoland, 2012, 7.5-minute
N, Perris, 2012, 7.5-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N

# Historical Topo Map

1979




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

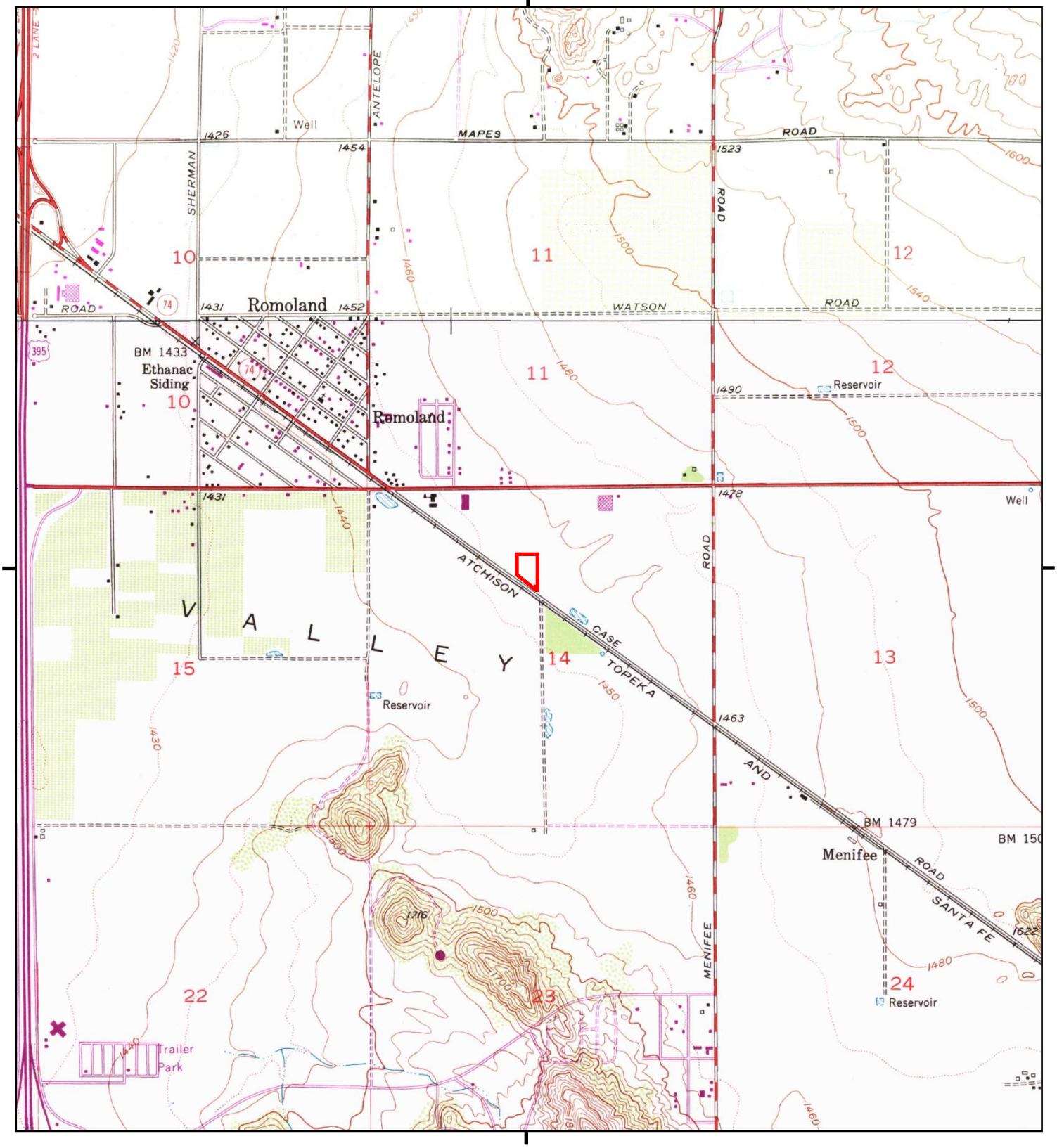
TP, Romoland, 1979, 7.5-minute
N, Perris, 1979, 7.5-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N

# Historical Topo Map

1973




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

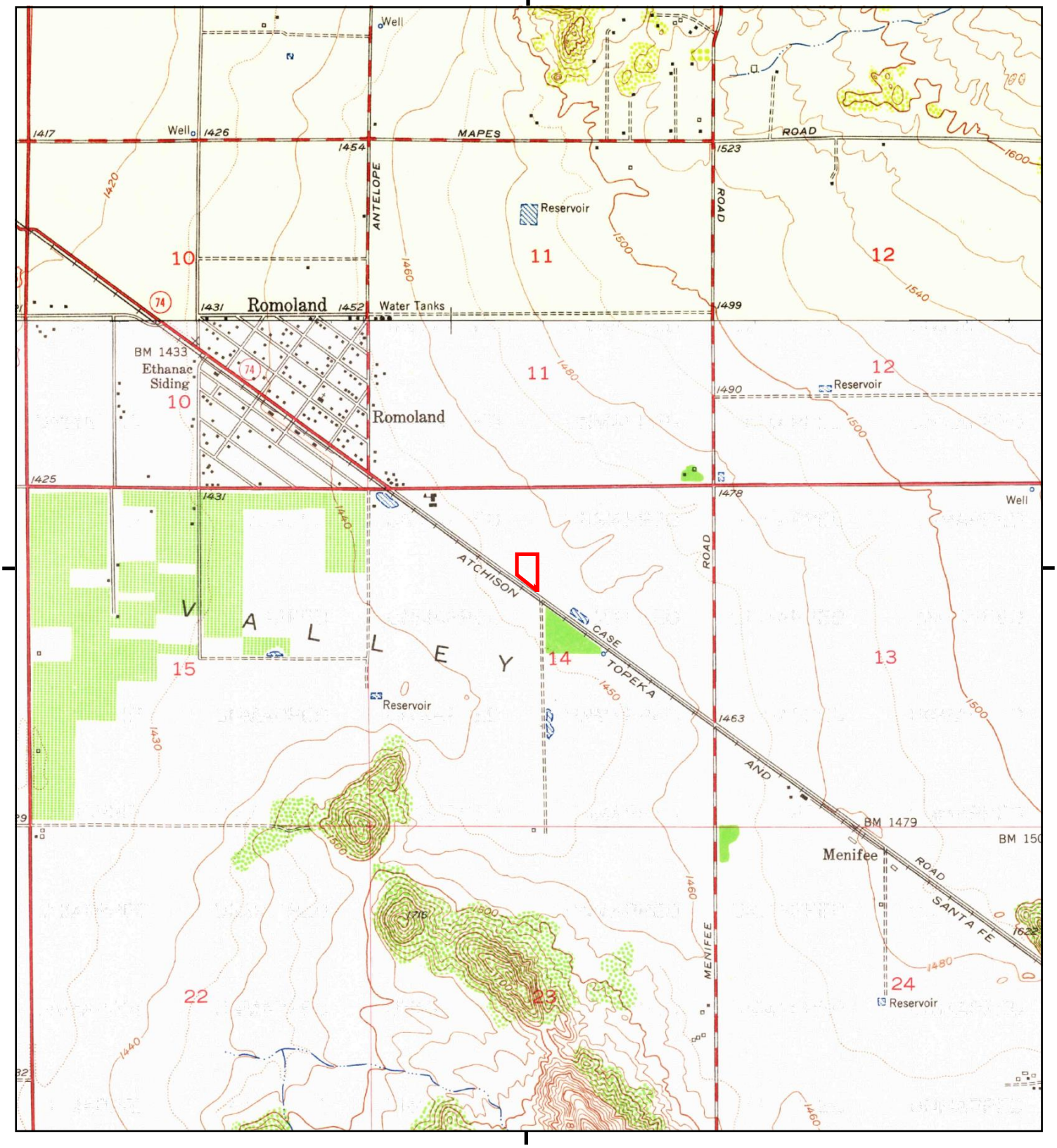
TP, Romoland, 1973, 7.5-minute
N, Perris, 1973, 7.5-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N

# Historical Topo Map

1953




This report includes information from the following map sheet(s).

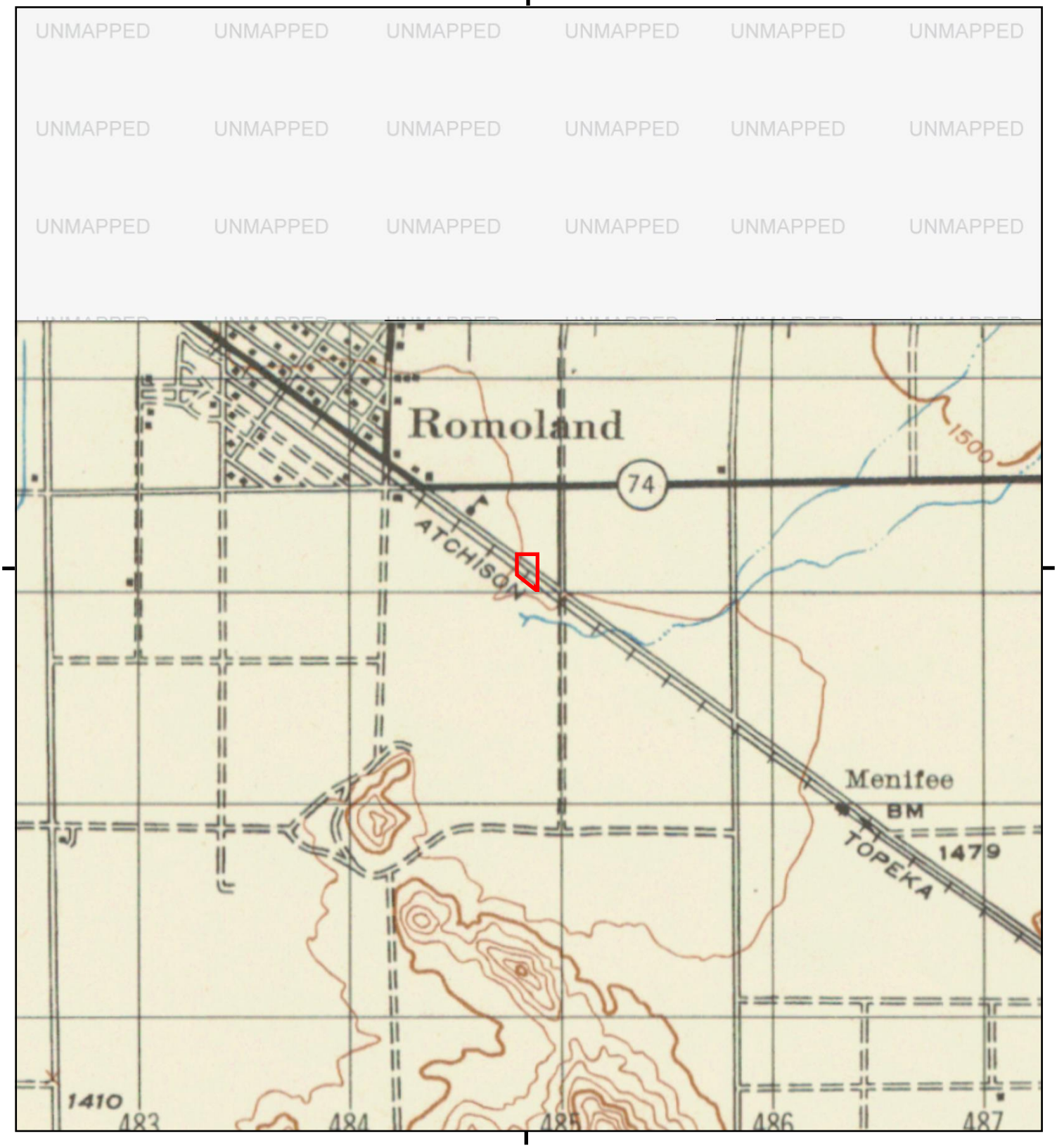
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Romoland, 1953, 7.5-minute
N, Perris, 1953, 7.5-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

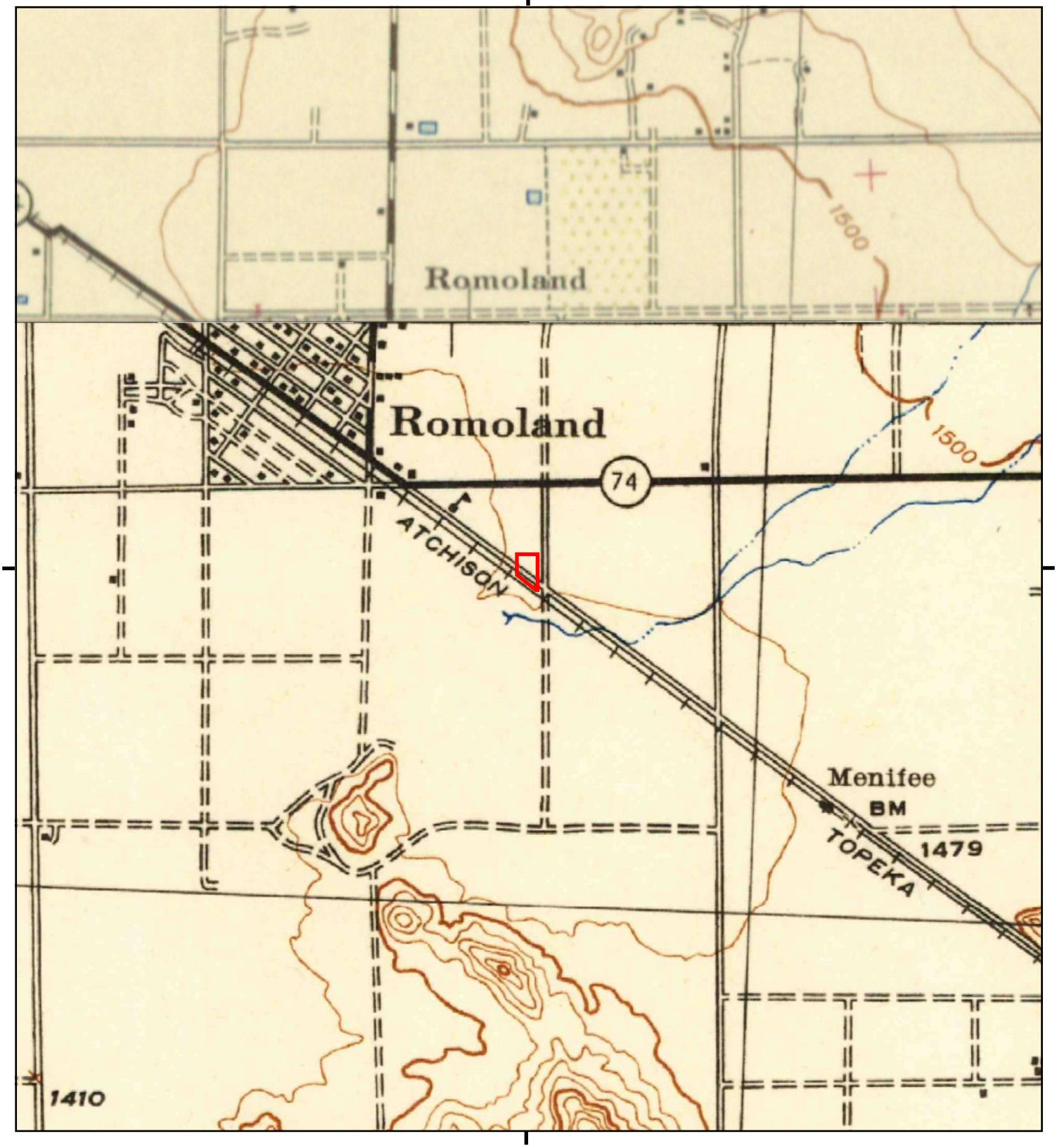
TP, MURRIETA, 1947, 15-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N

# Historical Topo Map

1943




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

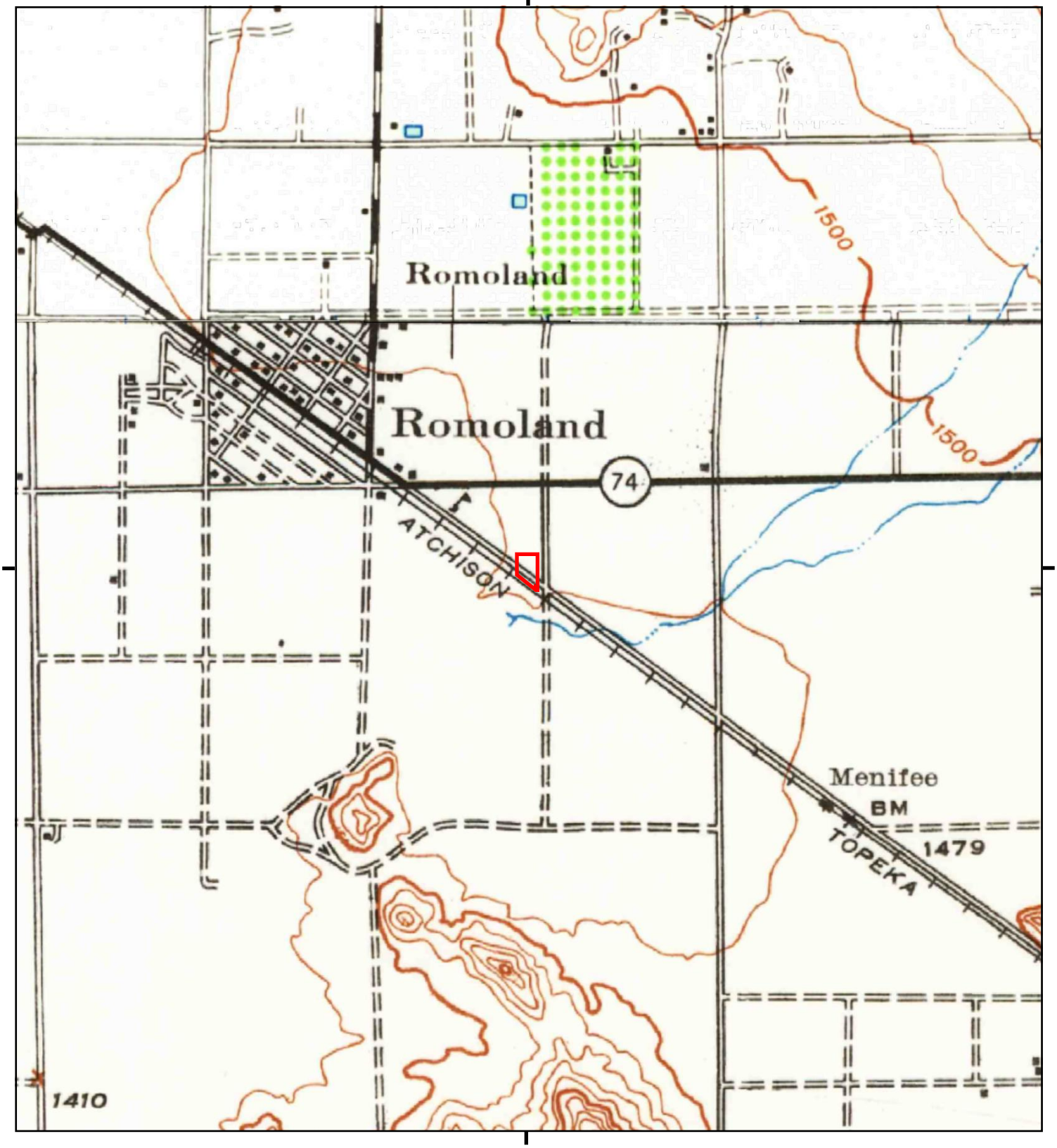
TP, Murrieta, 1943, 15-minute
N, PERRIS, 1943, 15-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N

# Historical Topo Map

1942




This report includes information from the following map sheet(s).

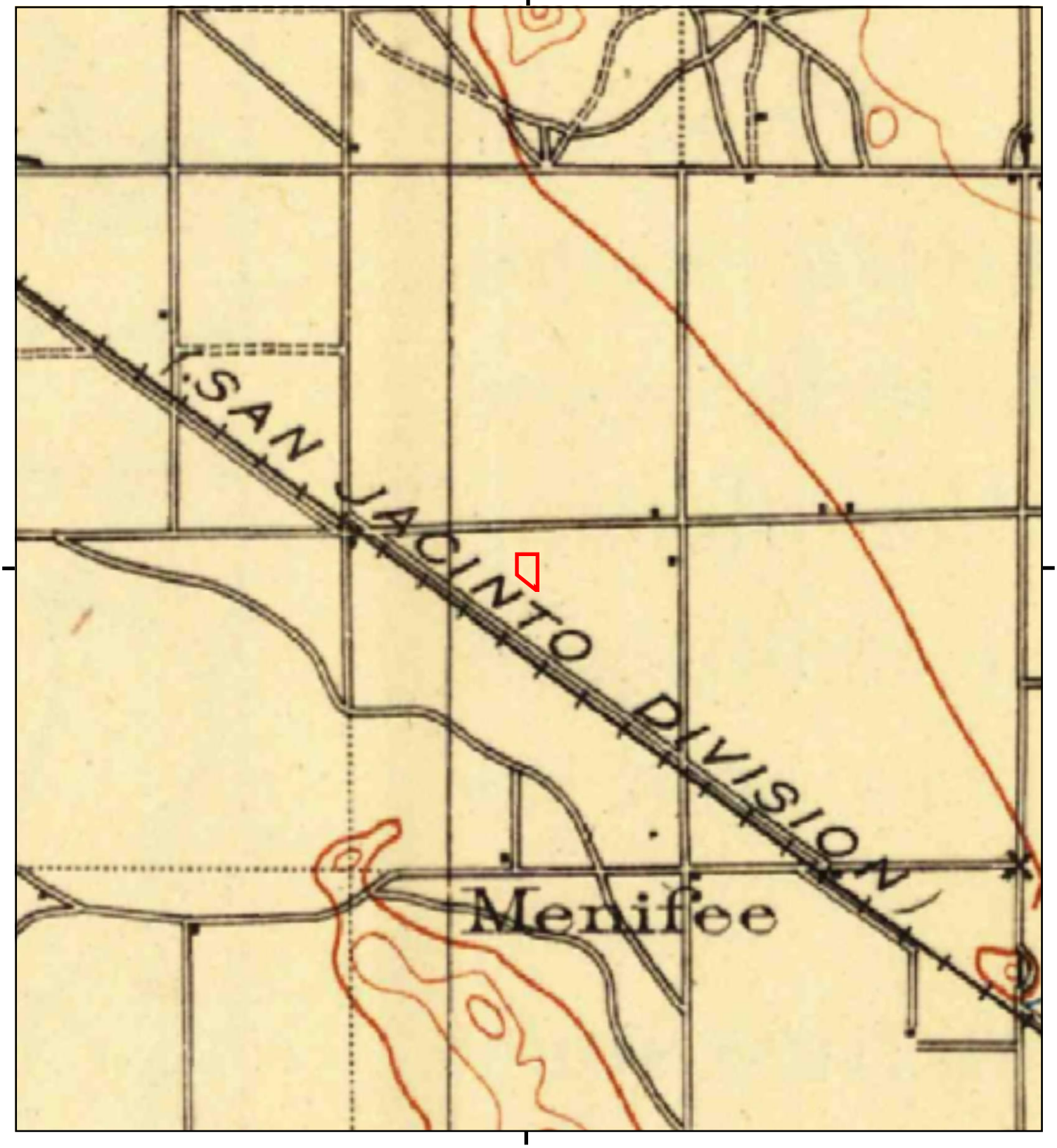
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Murrieta, 1942, 15-minute
N, Perris, 1942, 15-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N




This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Elsinore, 1901, 30-minute

SITE NAME: Possible Lease Property
ADDRESS: 26255 Palomar Road
Menifee, CA 92585
CLIENT: ATC Group Services LLC

N

Possible Lease Property
26255 Palomar Road
Menifee, CA 92585

Inquiry Number: 5427697.3
September 18, 2018

# Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

09/18/18

**Site Name:**

Possible Lease Property
26255 Palomar Road
Menifee, CA 92585
EDR Inquiry # 5427697.3

**Client Name:**

ATC Group Services LLC
25 Cupania Circle
Monterey Park, CA 91755
Contact: Victoria Rojo

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## *Certified Sanborn Results:*

**Certification #** ECB5-40A5-8D2D

**PO #** 1011601349 Ph. 1

**Project** 1011601349 Forterra BP

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: ECB5-40A5-8D2D

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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**Possible Lease Property**
26255 Palomar Road
Menifee, CA 92585

Inquiry Number: 5427697.5
September 21, 2018

# The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

## RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| Year | Target Street | Cross Street | Source |
|---|---|---|---|
| 2014 | ☑ | ☐ | EDR Digital Archive |
| 2010 | ☑ | ☐ | EDR Digital Archive |
| 2005 | ☑ | ☐ | EDR Digital Archive |
| 2000 | ☑ | ☐ | EDR Digital Archive |
| 1995 | ☑ | ☐ | EDR Digital Archive |
| 1992 | ☑ | ☐ | EDR Digital Archive |
| 1985 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1980 | ☐ | ☐ | Haines Criss-Cross Directory |
| 1975 | ☐ | ☐ | Haines Criss-Cross Directory |

# FINDINGS

## TARGET PROPERTY STREET

26255 Palomar Road
Menifee, CA 92585

| *Year* | *CD Image* | *Source* | |
|---|---|---|---|
| **PALOMAR RD** | | | |
| 2014 | pg A1 | EDR Digital Archive | |
| 2010 | pg A2 | EDR Digital Archive | |
| 2005 | pg A3 | EDR Digital Archive | |
| 2000 | pg A4 | EDR Digital Archive | |
| 1995 | pg A5 | EDR Digital Archive | |
| 1992 | pg A6 | EDR Digital Archive | |
| 1985 | pg A7 | Haines Criss-Cross Directory | |
| 1985 | pg A8 | Haines Criss-Cross Directory | |
| 1980 | - | Haines Criss-Cross Directory | Street not listed in Source |
| 1975 | - | Haines Criss-Cross Directory | Street not listed in Source |

# FINDINGS

## CROSS STREETS

No Cross Streets Identified

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

# PALOMAR RD 2014

26035 POLAR BEER SYSTEMS INC
26245 MILLER JNES MRTUARY CREMATIONS
MILLERJONES MORTUARY
WEST COAST CREMATION
26380 ORCO BLOCK CO INC

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## PALOMAR RD 2010

| | |
|---|---|
| 26035 | POLAR BEER SYSTEMS INC |
| 26245 | JJ & L ENTERPRISES LLC |
| | MILLER JONES TECHNICAL FCILTY |
| | WEST COAST CREMATION |
| 26380 | ORCO BLOCK CO INC |
| 26420 | CABO TRUSS INC |
| | MACHINERY RECYCLING INC |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## PALOMAR RD 2005

26035 POLAR BEER SYSTEMS INC
26245 MILLER-JONES TECHNICAL FCILTY
OCCUPANT UNKNOWN,
WEST COAST CREMATION
26380 ORCO BLOCK CO INC
26420 CABO TRUSS
JT WELDING CO
MACHINERY RECYCLING INC

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## PALOMAR RD 2000

26245 MILLER-JONES TECHNICAL FCILTY
26380 ORCO BLOCK CO INC

| Target Street | Cross Street | Source |
| --- | --- | --- |
| ✓ | - | EDR Digital Archive |

## PALOMAR RD 1995

26250 SANNIPOLI CORP
26420 KENYON CONSTRUCTION INC

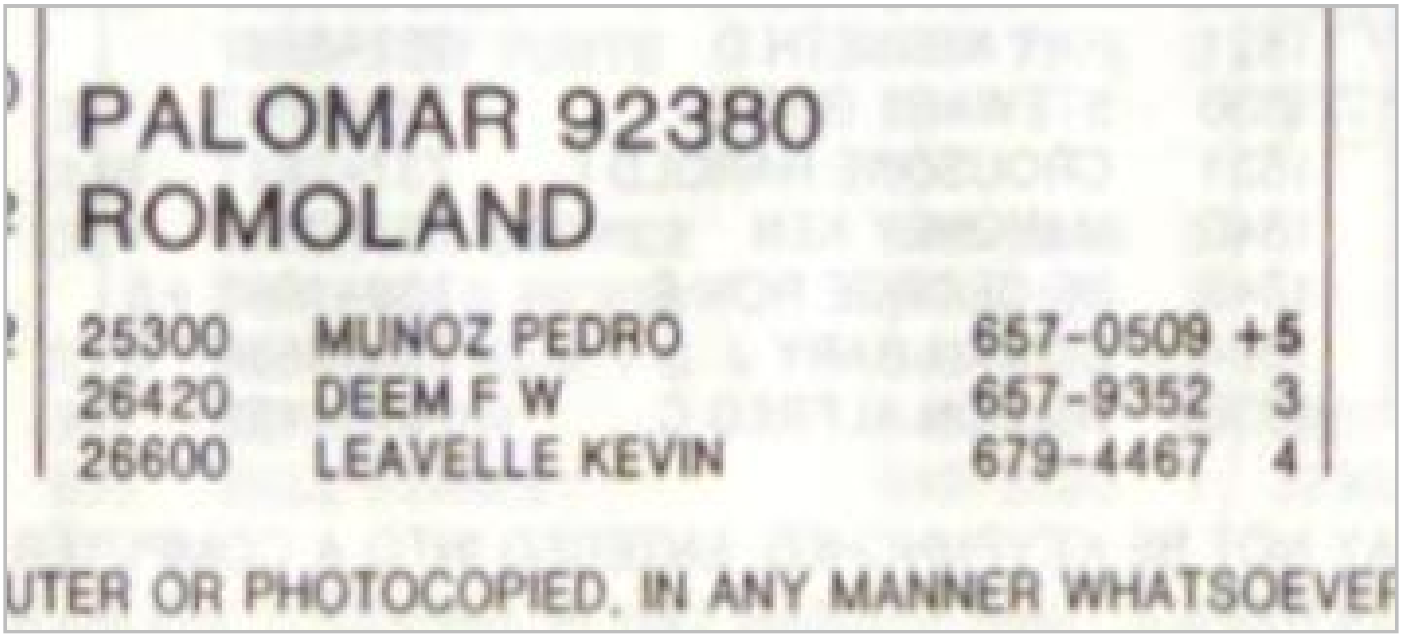
| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | EDR Digital Archive |

## PALOMAR RD 1992

26250 SANNIPOLI CORP
SANNIPOLI TANK CORPORATION
26380 ORCO BLOCK CO
26420 KENYON CONSTRUCTION INC
NOTTSON CONSTRUCTION INC

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

**PALOMAR RD 1985**



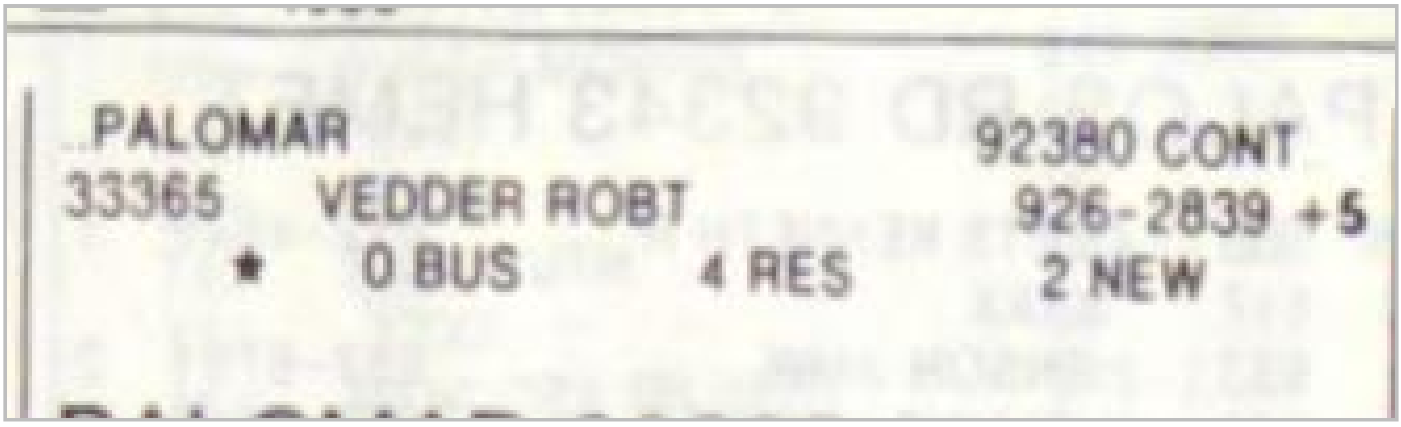
PALOMAR 92380
ROMOLAND

| | | | |
|---|---|---|---|
| 25300 | MUNOZ PEDRO | 657-0509 | +5 |
| 26420 | DEEM F W | 657-9352 | 3 |
| 26600 | LEAVELLE KEVIN | 679-4467 | 4 |

UTER OR PHOTOCOPIED, IN ANY MANNER WHATSOEVE

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

## PALOMAR RD 1985



# APPENDIX H

# PRIOR REPORTS

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**APPENDIX I**

**RESUMES**

# VICTORIA ROJO
Staff Scientist

## PROFESSIONAL SUMMARY

Ms. Rojo has been involved in the environmental field since 1996. At ATC she is responsible for conducting Phase I environmental site assessments, data interpretation and report preparation. Tasks include site reconnaissance, public record searches, aerial photo review and personal interviews. Ms. Rojo has strong experience with identifying areas of environmental concern as well as a good working knowledge of government regulations relating to environmental issues.

Additionally, Ms. Rojo has experience with natural resource and biological aspects of the environmental industry. She previously served in roles which involved soil and water conservation; endangered species studies; natural resource risk assessments, planning recommendations and restoration; landscape design and species mapping; plant and wildlife surveys; and preparation of environmental compliance documents including EIRs, Habitat Conservation Plans and Biological Assessments.

## PROJECT EXPERIENCE

***Due Diligence***

- **Environmental Site Assessments / Various Clients / Southern CA and HI.** Conducted numerous Phase I ESAs for confidential clients throughout Southern California and also Hawaii. Target sites include vacant properties, commercial/retail, multi-family housing, and former service station facilities. Project duties included conducting interviews, gathering current and historical site information, observing the physical aspects of the site, and report preparation.

- **Property Transaction Screens / Confidential Client / Southern CA.** Conducted numerous due diligence property transaction screens for a confidential client at multiple locations throughout Southern California. Target sites include light industrial, commercial, and hotel/motel facilities. Project duties included conducting interviews, gathering current and historical site information, observing the physical aspects of the site, and report preparation.

***Telecommunications Projects***

- **Environmental Site Assessments & NEPA Compliance/ Telecommunications Clients / Various Locations, CA and AZ.** Conducted Phase I ESAs and completed NEPA reports/checklists. Services are being provided to various telecommunications clients as part of a comprehensive Environmental Site Assessment program for all proposed monopole sites.

## PROFESSIONAL REGISTRATIONS

- Certified Desert Tortoise Monitor, California Dept. of Fish & Game, 1999

## EDUCATION

- B.A., Environmental Analysis and Design, University of California, Irvine, CA

- B.A., Criminology, Law and Society, University of California, Irvine, CA

# Gwen Reed
Program Manager

## PROFESSIONAL SUMMARY

Ms. Reed serves as Program Manager of the NEPA Program for ATC's California and Arizona offices. She is responsible for coordination, resource management and quality control activities for projects/clients in the telecommunications and public sector.

Ms. Reed has more than 20 years of experience in the environmental field with an extensive background in the following: NEPA Studies, Phase I ESAs, Phase II Subsurface Investigations, and Asbestos / Lead-Based Paint Management.

## PROJECT EXPERIENCE

- **Microbial Survey and Monitoring, The Home Depot, Southern California**
  Project Manager responsible for scheduling and report review for various sites throughout southern California.

- **NEPA Environmental Summary Reports, Telecommunications Clients, California and Arizona**
  Program Manager for NEPA Environmental Summary Reports throughout California for various telecommunications clients. Services include research regarding wilderness areas, wildlife preserves, endangered species, historic places, Native American Consultation, and potential impact from proposed wireless facilities.

- **CEQA Report, Administrative Office of the Courts, California**
  Provided management oversight of CEQA Initial Study for the construction of the new Long Beach Courthouse.

- **Biological Assessments, Telecommunications Clients, California and Arizona**
  Manage Biological Assessments in relation to endangered species impact on telecommunication sites throughout California and Arizona.

- **Environmental Site Assessments & Investigations, Various Clients, California**
  Performed and managed numerous Phase I and Phase II Environmental Site Assessments for commercial, residential, and industrial properties/clients.

- **Hazardous Material Sampling, Various Clients, California**
  Managed and performed lead in paint, lead in water, radon, and asbestos sampling for Phase I ESAs and telecommunications projects throughout California.

- **Site Investigations, Various Clients, California**
  Performed groundwater and soil sampling for site characterization projects.

## PROFESSIONAL REGISTRATIONS

- Engineer in Training (CA #XE083539)

## EDUCATION

- B.S., Civil Engineering, California Polytechnic, San Luis Obispo, 1991

# Todd Stanford, REHS, CEM
Principal Scientist

## PROFESSIONAL SUMMARY

Todd Stanford has more than 29 years of experience in site assessment, soil and groundwater remediation, pharmacology, risk assessment, occupational health and safety, and air toxics. His qualifications include extensive experience planning, directing, and completing environmental site assessments, designing remedial projects for soil and groundwater, performing human and ecological risk assessments, and evaluating the fate and transport of chemicals in soil, groundwater, and air. His experience also includes environmental, health, and safety management program development, multi-media environmental, health, and safety compliance auditing, risk management planning, solid waste management, and construction and redevelopment of environmentally impacted properties. Mr. Stanford has served on the Scientific Advisory Board for California AB 2588 and the Private Site Management Advisory Committee for AB 1876.

During Mr. Stanford's career, his project management experience has been applied to capital construction projects, underground storage tank facilities, chemical production and bulk storage facilities, manufactured gas plant sites, aerospace and industrial manufacturing facilities, power generation and distribution facilities, and State and Federal Superfund sites. His expertise also has been called upon in support of legal issues involving fate and transport and human health effects resulting from exposures to toxic chemicals.

## PROJECT EXPERIENCE

**Environmental Program Management**

- **Program Manager / Los Angeles County Metropolitan Transportation Authority (Metro), Environmental Engineering Services (Contracts EN073 and EN076) – Multiple Locations, Los Angeles County, CA.** From 2005 through 2016, Mr. Stanford served as the Project Director for a multi-task environmental engineering contract with Metro. This contract covered environmental engineering, energy efficiency, and sustainability services for a variety of facilities including bus and rail maintenance divisions, existing and planned dedicated bus and Light Rail alignments, and various capital programs and projects. Environmental engineering services provided to Metro include geotechnical evaluation of new facilities and proposed facility improvements, underground and aboveground storage tank inspections and compliance program development for 22 operating bus and rail facilities, and stormwater management program development and implementation at 30 industrial facilities. Capital construction program support services provided under these contracts included environmental due diligence associated with the acquisition of properties for expansion of bus, light rail, heavy rail and subway services; preparation and review of environmental assessment documents; preparation and review of pilot testing reports for soil vapor, groundwater extraction, and construction dewatering; development of construction mitigation measures for vapor intrusion control; preparation and review of Remedial Action Plans, engineering design drawings and construction specifications; development, review, and implementation of construction stormwater plans, community air monitoring plans, soil and groundwater management plans, and soil reuse criteria for various capital improvement projects including the Metro Orange Line, Metro Gold Line East Extension, Crenshaw/LAX and Exposition Light Rail Lines, Union Division Bus Maintenance Facility, and Taylor Yard Joint Development Project. Provided field verification and contractor oversight during various phases of construction to ensure compliance with written programs, policies, specifications, and design criteria; applicable waste management and discharge permit requirements; noise and vibration monitoring and mitigation measures; and community dust and contaminant action levels.

- **Program Manager / Various Public Agencies / On-Call Environmental Services, Southern California.** Since 1997, Mr. Stanford has provide program management leadership for on-call environmental contracts with a variety of public agencies in Southern California. Since 1997, these agencies have included the Cities of Anaheim, Ontario, Riverside, Brea, and Burbank; the County Sanitation Districts of Los Angeles County, the Los Angeles County Department of Public Works, Los Angeles County CEO Office, and the Los Angeles Community Design Center. Representative project activities include environmental due

diligence associated with the acquisition of real property and rights-of-way; environmental site assessment of soil and groundwater impacts; asbestos, lead-based paint, and hazardous materials evaluations; solid and liquid waste characterization, management, and disposal; preparation of Integrated Pest Management Plans; landfill post-closure monitoring and reporting; development of remedial alternatives and project development cost analyses; and preparation of engineering design drawings and specifications for capital construction projects with impacted soil and groundwater.

- **Project Manager / Honolulu Harbor Working Group, Iwilei District Participating Parties / Honolulu, HI.** Oversaw a multi-party PRP group for a 0.5 square mile area that is impacted by petroleum hydrocarbons in soil and groundwater and methane gas in the subsurface. Developed a conceptual site model of fate, transport, and human and ecological exposure pathways, calculated health-based screening levels for chemicals of potential concern, and developed a comprehensive database and GIS application that provided focus to ongoing assessment and interim remedial activities. Also, interfaced with State of Hawaii and USEPA regulators and developed vapor migration and vapor intrusion screening algorithms to evaluate potential impacts to indoor and outdoor air and prioritize parcels for active mitigation, institution of land use covenants, and application of administrative controls.

**Multi-media Compliance Auditing and EHS Compliance**

- **Lead Auditor / Port of Long Beach, Maintenance Facility & Operations, Environmental Compliance Audit / Long Beach, CA.** Led an environmental compliance audit of multiple Port of Long Beach operations focusing on review and determination of compliance status of various operations relative to applicable Federal, State, and local air regulations. The audit focused on air quality, hazardous materials, hazardous waste, aboveground and underground storage tanks, Spill Prevention Control and Countermeasure (SPCC) Planning, stormwater, and wastewater. The audit also evaluated the status of existing formal environmental health programs, including written programs, policies, span of control, and definitions of personnel roles and responsibilities.

- **Project Director and Lead Auditor / California Institute of Technology/Jet Propulsion Laboratories, Multi-Media Compliance Auditing / Pasadena, CA.** Managed a series of multi-media assessments and audits of educational and research oriented facilities. Provided environmental compliance auditing services as related to hazardous waste management, above-ground and underground storage tank management, business emergency planning, air emissions and Title V permit compliance, asbestos, lead-based paint, and PCBs management, CalARP Risk Management Planning, Greenhouse Gas emissions reporting and verification, and related environmental compliance programs.

- **Lead Environmental Auditor / Confidential Water District, EH&S Program Compliance Assessment / California.** Managed a multi-disciplinary assessment of a public water utility's environmental, health, and safety programs. The environmental component of the assessment focused on CalARP, Clean Air Act/Air Quality Permit Compliance, Clean Water Act compliance, Hazard Communication, Hazardous Materials and Hazardous Waste Management, Spill Prevention Control and Countermeasure Planning, Stormwater Pollution Prevention and Monitoring Plans, and above-ground and underground storage tank programs. The assessment covered facilities constructed an operated by the utility including maintenance activities, two (2) water treatment plants, a desalination plant, two (2) active groundwater production well fields and a water blending facility. Completed an organizational management assessment that considered several staffing and placement of EH&S functions within the organization as related to comparable utilities of similar size and operations. The organizational management assessment provided recommendations on EH&S staffing, suggested management and reporting structures, and management systems development.

- **Lead Auditor / Biomass and Fossil Fuel Power Plants, CalARP and Process Safety Management Audits / Multiple Locations, California and Nevada.** Completed focused environmental and safety compliance audits relative to California Accidental Release Program (CalARP)/Federal Risk Management

Program and CalOSHA Process Safety Management (PSM) audits of several biomass and fossil fuel power plants in California and Nevada. The focus of the audits related to processes involving the storage and use of anhydrous and aqueous ammonia subject to the requirements of CalARP/PSM and federal RMP programs. Audit activities included a detailed review of covered processes, accident history, prevention program, process safety information, update of Process Hazard Analyses, offsite consequence analysis, operating and training procedures, mechanical integrity program, management of change, and employee participation and incident investigation programs.

- **Lead Auditor / CalPeak Power, Risk Management Plan and Process Safety Management Auditing / Multiple Locations.** Supported five (5) electrical power generating facilities that utilize aqueous ammonia to control emissions of nitrogen oxides. The audit program elements included detailed reviews of covered processes, accident history, prevention programs, process safety information, update of Process Hazard Analyses, offsite consequence analysis, operating and training procedures, mechanical integrity programs, management of change, and employee participation and incident investigation programs.

- **Environmental Compliance Manager / Precision Specialty Metals, Environmental Compliance Support / Los Angeles, CA.** Developed a comprehensive, multi-media environmental compliance program involving hazardous waste profiling, manifesting, and tracking; industrial wastewater treatment system monitoring and reporting; air permitting and related compliance activities (including Title V and RECLAIM programs); EPCRA reporting; RMPP compliance; and Stormwater Pollution Prevention Planning, implementation, and reporting. Interfaced with various regulatory agencies including the State Board of Equalization, Air Pollution Control Districts, Sanitation and Industrial Wastewater Discharge agencies, US Environmental Protection Agency, and Regional Water Quality Control Boards. Provided ongoing technical support including identification of hazardous waste source reduction alternatives and general facility compliance with community right-to-know regulations.

- **Principal Consultant / Russell Standard, TSCA Chemical Data Reporting / OH, VA, PA, MD, and NC.** Served as the Principal Consultant leading preparation and submittal of the 2016 Toxic Substances Control Act (TSCA) Chemical Data Reporting (CDR) Rule for eight (8) asphalt emulsion facilities located in Ohio, Virginia, Pennsylvania, Maryland, and North Carolina. Facilitated kick-off meetings, reviewed facility inventory and production details to identify TSCA-listed chemical substances manufactured and imported at each facility, managed acquisition of relevant details from product suppliers involving confidential business information pertaining to TSCA-listed chemical use and manufacturing, prepared Form U submittals and uploaded required reporting details electronically through the EPA CDX e-CDRweb application.

- **Principal Consultant / Vertex Energy, TSCA Chemical Data Reporting / Fallon, NV.** Served as the Principal Consultant leading preparation and submittal of the 2016 Toxic Substances Control Act (TSCA) Chemical Data Reporting (CDR) Rule for a lubricating oil refinery oil located in Nevada. Facilitated kick-off meetings, reviewed facility inventory and production details to identify TSCA-listed chemical substances manufactured and imported at each facility, managed acquisition of relevant details from product suppliers involving confidential business information pertaining to TSCA-listed chemical use and manufacturing, prepared Form U submittals and uploaded required reporting details electronically through the EPA CDX e-CDRweb application.

- **Lead Auditor / Danaher Corporation / Multiple Locations / California and Arizona.** Performed multi-media environmental health and safety compliance audits of four (4) aerospace and manufacturing facilities in support of corporate auditing practices for two different operating divisions within Danaher. Auditing services included focus on hazardous and solid waste management, water and wastewater discharges, chemical management, air emissions and permitting, underground storage tanks, spill prevention and control, Permit by Rule/Tiered Permitting, SARA Title III and EPCRA, OSHA, DOT, and TSCA. Provided supplemental consulting services and assisted in the development of inventory management and reporting tools and in the preparation of electronic report filings under EPCRA.

- **Lead Auditor / Project Cardinal, EH&S Compliance Auditing / Western and Central US.** Managed multi-media environmental health and safety compliance audits of aerospace and industrial manufacturing facilities located in California, Arizona, Nevada, and Florida. The compliance evaluations were performed subsequent to various acquisitions by a confidential parent company. Provided environmental compliance auditing services as related to hazardous and solid waste management, water and wastewater discharges, chemical management, air emissions and permitting, underground storage tanks, spill prevention and control, SARA Title III and EPCRA, OSHA, DOT, and TSCA. Observed deficiencies were recorded and reported to USEPA under provisions of the EPA's Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations Policy, 65 Fed. Reg 19618.

- **Lead Auditor / Confidential Client / Los Angeles, CA.** Managed several comprehensive multi-media compliance audits of a company that is engaged in maintenance and leasing of corporate aircraft, as a component of pre-merger due diligence. Provided environmental compliance auditing services as related to hazardous and solid waste management, water and wastewater discharges, chemical management, air emissions and permitting, underground storage tanks, spill prevention and control, SARA Title III and EPCRA, OSHA, DOT, and TSCA.

- **Project Manager / Kirkland & Ellis, M&A Environmental Auditing / Various Locations / Western and Central US.** Performed limited environmental compliance audits of several food production and distribution facilities located in California and Texas. The environmental compliance evaluations were performed as a component of pre-acquisition due diligence. Provided environmental compliance auditing services as related to air emissions and permitting, underground storage tanks, spill prevention and control, ozone depleting substances, Risk Management Planning, SARA Title III and EPCRA, and Process Safety Management.

- **Project Manager / Nixon Peabody, M&A Environmental Auditing / Various Locations / Western US.** Managed several comprehensive multi-media compliance audits of industrial manufacturing facilities located in the Western US. Compliance evaluations were performed subsequent to various acquisitions by a confidential parent company. Provided environmental compliance auditing services as related to hazardous and solid waste management, water and wastewater discharges, chemical management, air emissions and permitting, underground storage tanks, spill prevention and control, SARA Title III and EPCRA, OSHA, DOT, and TSCA.

- **Project Manager / Metal Finishing Companies, Environmental Health and Safety Consulting / Various Locations, CA.** Managed environmental and health & safety compliance issues for a number of metal finishing companies operating in Southern California. Typical consulting services included evaluating exposures to personnel working near open process tanks containing phosphoric, nitric, and sulfuric acids, nickel, tin, copper, and hexavalent chromium; general and specific requirements for air emissions from degreasing solvents and air emissions from anodizing and etching, and electro and electro-less plating of nickel, chromium, copper, tin, silver, and gold. Reviewed source testing results, established emissions estimates based on normalized facility-specific indices, conducted screening level risk evaluations, assisted in optimizing wastewater treatment system efficiency, identified source reduction alternatives, and provided training to facility personnel in the areas of environmental compliance and worker and community right to know regulations. Also, developed occupational safety and training programs for eye and face protection, hearing conservation, confined space identification and permitting, lockout/tagout, foot protection, respiratory protection, and operation of industrial trucks.

**Human and Ecological Risk Assessment**

- **Project Manager / Confidential Clients, Proposition 65 Exposure Assessment / Various Locations, California.** Evaluated 100 consumer products and over 20 chemicals listed by the State of California as carcinogens, developmental or reproductive toxicants. Listed chemicals evaluated included acrylamide, volatile organic compounds, dioxins/furans, polynuclear aromatic hydrocarbons, metals, and phthalates.

The evaluations were performed for a wide range of consumer products including paper products, toiletries, and durable goods. The evaluations ranged from quantitative exposure assessments utilizing default exposure parameters for typical use scenarios to detailed exposure assessment sampling and analysis to establishing exposure point concentration estimates based on gravimetric, bulk, and wipe sampling protocols. The evaluations included a three phase review process which included identification of listed chemicals in the supply or manufacturing chain, a qualitative evaluation of exposure potential based on the finished product composition, and a final quantitative assessment of exposure under typical product use conditions. The results of the analysis were utilized to inform the manufacturer or supplier on potential Proposition 65 notification requirements, to assist in the identification or alternative product formulations that would not result in Proposition 65 notifications, and to establish protocols for further refinement of exposure parameters that contribute most-significantly to potential consumer exposures and risks.

- **Technical Lead/ Various Industrial Companies, Vapor Intrusion Assessment, Mitigation, and Health Risk Assessment Services / Western United States.** Completed human health risk assessments for a variety of petroleum, chlorinated solvent, heavy metal, dioxin/furan, and radionuclide impacted sites and facilities throughout the continental United States. Risk assessment clients include, among others, ConocoPhillips, ExxonMobil, Farmer Brothers, Chevron, Unocal, Simpson Paper Company, Lockheed Martin Corporation, Coastal Corporation, Rohr Industries, Signet Armorlite, BP/Arco, Gatron Industries, Home Depot, BNSF Railroad, Kinder-Morgan Energy Partners, State of Hawaii Department of Transportation, Montrose Chemical Company, Weyerhauser, Kimberly Clark, Chromalloy, and Jorgensen Steel. The health risk assessments have ranged in complexity from single exposure pathway analyses to complex multi-media exposure pathways involving multiple chemicals. The risk assessment results have been used in internal risk-management decision making and prioritization, litigation support, and as regulatory compliance tools. Assessed and refined several vapor intrusion evaluation methodologies and the integration of risk management measures for more than 28 years. Performed field pilot testing of subslab ventilation and subslab depressurization systems and prepared engineering design specifications for soil vapor barriers, subslab ventilation and depressurization systems, and supervised the installation of operation of engineered mitigation systems. Assessments have been approved by agencies including the California Department of Toxic Substances Control, California Air Resources Board, Hawaii Department of Health, Nevada Department of Environmental Protection, Arizona Department of Environmental Quality, the United States Environmental Protection Agency, Lahontan, Central Coast, Los Angeles, Santa Ana, San Diego, Central Valley, and San Francisco RWQCBs.

- **Risk Assessment Manager / Confidential School Districts, School Site Characterization, Risk Assessment and Remedial Action Planning / Southern California:** Supervised the preparation of preliminary endangerment assessments and associated remedial action planning for several proposed and existing school sites for several school districts in Southern California. Chemicals of potential concern evaluated included volatile organic compounds, heavy metals, PCBs, chlorinated herbicides and pesticides, petroleum hydrocarbons, and semi-volatile organic compounds in soil, groundwater, and soil vapor. Performed Human Health Risk Assessments to identify specific constituents and exposure pathways which warranted implementation of remedial action plans and removal action workplans and provided oversight and management during implementation of remedial and removal actions pertaining to soil and groundwater. Provided post-construction monitoring and verification to ensure that the potential risks to current and future building occupants and students were consistent with project-specific objectives.

- **Risk Assessment Manager / Molycorp Minerals, Mountain Pass Mine / Human Health Risk Assessment (HHRA) / Mountain Pass, CA:** Supervised the Human Health Risk Assessment (HHRA) component of the Corrective Action and Closure Plan for the Mountain Pass Mine and Mill Site located in San Bernardino County, California. The HHRA included quantitative evaluation of potential human health risks and qualitative evaluation of potential ecological risks associated with current site conditions for lanthanides, actinides, and radionuclides (e.g., radium, thorium, and uranium decay series). Health-based cleanup goals for soil were also derived for lanthanides and actinides. For radionuclides, cleanup goals

were developed based on surface radiation exposure rates for specific areas. The HHRA and cleanup goals were used to identify additional geographic areas that warrant additional investigation and/or mitigation and established the basis for determining that post-remediation concentrations met the site risk management objectives.

- **Risk Assessment Manager / Riverside Agricultural Park, HHRA / Riverside, CA:** Managed the post-remediation Human Health Risk Assessment (HHRA) pursuant to the California Land Reuse and Revitalization Act Agreement. The Site encompasses approximately 62 acres of undeveloped land that was first developed as a sewage treatment plan in 1942. The sewage treatment plant was decommissioned in 1965. However, environmental assessment activities identified the presence of polychlorinated biphenyls (PCBs), semi-volatile organic compounds, volatile organic compounds, pesticides, herbicides, dioxins/furans, and metals in soil. Implemented a remedial action plan which included the excavation and off-site disposal of approximately 174,000 tons of impacted soil. Prepared dust mitigation and air monitoring plans for remedial excavation activities to ensure that emissions during construction did not pose a significant risk to the surrounding residential community. DTSC subsequently approved the remedial action completion report and HHRA and issued a certificate of completion in 2014.

- **Risk Assessment Manager / Carroll Hall Shelby Trust, HHRA / Gardena, CA**. Managed the Human Health Risk Assessment (HHRA) in order to further refine the chemicals of potential concern, establish health-based soil and groundwater remediation objectives, and to evaluate vapor intrusion conditions resulting from remedial activities implemented during pilot testing. Potential exposures considered in the HHRA included direct contact with soil and vapor intrusion to existing or future site structures. Supplemental monitoring of soil gas and indoor air was performed during the pilot remediation testing period to confirm that mitigation measures were adequate to protect current building occupants from exposures to chlorinated VOCs emanating from the subsurface.

- **Risk Assessment Manager / Los Angeles County Department of Public Works / Oxford Basin, HHRA / Marina Del Rey, CA:** Managed the Human Health Risk Assessment (HHRA) in support of proposed improvements to a storm retention basin. Previous environmental investigations identified the presence of heavy metals, PCBs, chlorinated herbicides and pesticides, petroleum hydrocarbons, and semi-volatile organic compounds in basin sediments and surrounding soil. Proposed site enhancement activities include construction of new features to increase its storage capacity and improve the general appearance and recreational use of this feature. The results of the HHRA were used to support the future site development activities and to identify specific risk management measures that would be used to reduce potential exposures and risks to future site workers and recreational users.

- **Risk Assessment Manager / Pacific Gas and Electric Company, Hunters Point Power Plant Dismantlement Contract, HHRA / San Francisco, CA.** Managed the Human Health Risk Assessment (HHRA) component of the Remedial Investigation/Feasibility Study (RI/FS) activities. Activities performed in support of the RI/FS activities involved development of general data quality objectives for soil, groundwater, sediment and soil vapor to facilitate the application of field data in human health and screening ecological risk assessments. Developed a Conceptual Site Risk model for the site based on the anticipated future unrestricted use of the property. Specific elements of the HHRA completed as a component of this project include statistical data evaluation for determining background concentrations of metals and asbestos in soil, identification of chemicals of potential concern for inclusion in the quantitative HHRA, quantification of plausible human exposure pathways involving soil, soil vapor (vapor intrusion), and groundwater, identification of Chemicals of Concern (COCs) that influence the site-wide risk estimates, and determination of health-based screening levels for COCs in soil, groundwater, and soil vapor. The health-based screening levels were used in conjunction with the statistically-derived background concentrations to establish the remediation goals that served as the basis for evaluation potential response, mitigation, and engineering control alternatives.

- **Principal Scientist / Chevron/Unocal and ExxonMobil Petroleum Tank Farms and Operating Fields, Site Assessment, Fate and Transport Modeling, Health Risk Evaluation, and Remedial Action Planning and Implementation / Various Locations.** Conducted environmental site assessment and establishment of remedial action goals for former bulk storage facilities, tank farms, production fields, and crude-oil gathering and distribution lines. Coordinated acquisition of sampling data regimen and laboratory analyses for soil, groundwater, and soil vapor; performed remedial feasibility testing; and prepared and implemented remedial action plans for active and idle properties. Assessment and remediation activities were performed to both support proposed divestment and redevelopment activities and in defense of third-party suits. The results of fate and transport modeling and human health risk assessments were used to establish land use-specific remedial goals for COPCs in soil, soil vapor, and groundwater. Assessment and remediation activities were performed under the jurisdiction of variety of regulatory agencies including the Lahontan, Central Coast, Los Angeles, Santa Ana, San Diego, Central Valley, and San Francisco RWQCBs, Department of Toxic Substances Control, and California Air Resources Board.

- **Risk Assessment Manager / Former Railroad Facility, Health Risk Evaluation and Remedial Action Planning / San Jose, CA.** Managed all aspects of a human health risk assessment for an approximately 13 acre former rail facility impacted by surficial and subsurface metals, polynuclear aromatic hydrocarbons (PAHs), pesticides/herbicides, and volatile organic compounds. The health risk assessment considered the redevelopment of the property for residential use. Consequently, performed an evaluation of potential risks under a proposed future residential land-use scenario under baseline (i.e., pre-remediation) conditions for direct exposure and vapor diffusion exposure pathways. The health risk assessment also included an evaluation of the potential migration of methane gas and volatile organic compounds in soil vapor from two adjacent landfills. Developed health-based remediation goals for metals, PAHs, and pesticides/herbicides in soil to protect future site residents from direct contact with these constituents. The results of the vapor diffusion analysis were used to establish engineering controls to prevent the migration of methane gas and VOCs from the adjacent landfills to the subject property and from the subsurface to indoor air within the residences. Following approval of the health-risk assessment and regulatory concurrence with the remediation goals, the remedy was implemented and a no further action determination was obtained and the property was redeveloped for residential use.

- **Principal Scientist / Pacific Gas and Electric Company, Humboldt Bay Generating Station (HBGS) Demolition and Abatement Project / California.** Completed a screening level risk assessment for potential construction-related exposures associated with the fast-track demolition and abatement project. The results of the human health risk assessment demonstrated that residual chemicals in soil do not pose a significant threat to construction workers or future site workers and that no additional risk management measures or remediation is warranted.

- **Principal Scientist / Lockheed Martin Corporation, Former Industrial Light Metals Facility / Torrance, CA.** Provided risk assessment services for chlorinated and aromatic hydrocarbons in soil and groundwater at a former aerospace facility. Risk assessment services included evaluation of vapor intrusion into indoor air under current and anticipated future site conditions and hypothetical future groundwater use scenarios. Analysed the fate and transport of chlorinated solvents in soil to determine whether residual soil impacts represent a potential source of impact to groundwater. The results of the risk assessment have been used to support site development and use during remedial testing and remedy implementation. The results of the fate and transport analyses were used to justify closure of several solid waste management units associated with the facility.

- **Principal Scientist / Confidential Clients, Risk Assessment and Risk Management Planning / Multiple Locations, California and Nevada.** Prepared documentation related to potential releases of anhydrous and aqueous ammonia and hydrofluoric acid from onsite storage and $NO_x$ control (Selective Catalytic Reduction) systems for several proposed and existing power generation facilities and manufacturing facilities. Lead process hazard reviews and identified potential mitigation measures for deployment at facilities in conjunction with site selection and preliminary engineering design of facilities.

Performed offsite consequence analyses for facilities based on mitigated and unmitigated alternatives in accordance with Federal RMP and CalARP requirements.

- **Project Manager / City of Monterey, Monterey Swim Gym Facility / Monterey, CA.** Oversaw the human health risk assessment portion of the Monterey Swim Gym Facility and assisted in comprehensive site assessment and remedial design for a former manufactured gas plant site. Specific project responsibilities included identifying potential constituents of concern related to former facility operations, designing a statistical sampling plan, completing a human health risks assessment involving current and potential future exposures related to property development, and establishing remedial design objectives. The remedial design objectives were used to establish the geographic limits of the remedial response in consideration of the intended site development and to support the beneficial reuse of impacted soil.

- **Project Manager / Ramco, Mace Ranch Development – Davis, CA.** Supervised tasks for a former pesticide and fertilizer bulk facility located in an agricultural area of Central California. Historical dumping of bulk pesticides including ethylene dibromide (EDB), dichloropropane (DCP), and dibromochloropropane (DBCP) into an unlined wash basin created a plume of pesticides in soil and perched groundwater that threatened a nearby municipal water well. Remedial investigations focused on establishing health based remedial goals for soil and groundwater that are protective of the underlying utilized aquifer and allow for residential development of the adjacent property. The selected remedial alternative included both limited remedial excavation of impacted soil and groundwater plume control.

- **Risk Assessment Manager / Confidential Client, Risk Characterization and Management / Chubut Province, Argentina.** Evaluated potential risks to human health of mine site workers and nearby residents resulting from mine site operation and potential catastrophic event scenarios. Activities evaluated as a component of this project included transport of hazardous substances during mine operation, plant operations and process-related activities, impoundment and sterile rock pile facilities, and onsite use of hazardous substances. Also, identified risk management measures for the activities associated with the greatest risk probability and consequence.

- **Risk Assessment Manager / Former Cannery, Remedial Investigation and Mitigation / Honolulu, HI.** Performed a comprehensive evaluation of the presence and distribution of multiple chemicals in soil and groundwater beneath a former cannery. Chemicals evaluated include substituted benzene compounds and polynuclear aromatic hydrocarbons. Conducted an analysis of the potential fate and transport potential of chemicals in groundwater and evaluated potential onsite and offsite health risks associated with direct contact and inhalation of chemicals during and after site development. The results of the health-risk assessment were used to establish vapor control criteria for volatile compounds and methane gas and to secure approval for site redevelopment for commercial use.

- **Risk Assessment Manager / Unocal Corporation, Emissions Inventory Planning, Reporting, Fugitive Emissions Monitoring, and Health Risk Assessments / Santa Maria, CA**. Conducted emissions quantifications for pressure distillates, crude towers, coker wet gas, overhead gas, tail gas treatment, straight run naphtha, crude heaters, crude and recovered oil storage tanks, and coker naphtha for emissions of benzene, ammonia, toluene, hydrogen sulfide, chlorine, zinc, xylenes, and C8 aromatics. Conducted source testing of sump vapor recovery units and obtained permits to operate facility equipment at various pump stations. Developed source testing and emissions quantifications methodologies and completed AB2588 health risk assessments for facility emissions.

- **Project Director / City of Burbank Redevelopment Agency, B-1 Remediation Oversight / Burbank, CA.** Assisted the City of Burbank in determining whether the Vapor Extraction System was operating in compliance with the Conditional Use Permit issued by the City. Activities performed include collection and analysis of verification samples of system air emissions, evaluate calibration of in-line VOC detectors and programmable logic controllers, and completion of weekly and quarterly health risk assessments based on

facility emissions. Developed and maintained a webpage for the City of Burbank containing the results of verification samples, health risk evaluations, and vapor extraction system operational data.

**Environmental Due Diligence**

- **Project Director / Union Bank / Environmental Due Diligence / Multiple Locations:** Managed Union Bank's environmental risk management and environmental due diligence activities related to secured loans and real estate used as collateral for loan securitization. Completed more than 200, Phase 1 Environmental Site Assessments and Transaction Screen Reports for Union Bank of California for locations throughout the continental United States. Also, completed environmental site assessments, removed underground storage tanks, developed remedial action plans, and installed and operated soil and groundwater remediation systems at a variety of industrial, commercial, and retail properties.

- **Project Director / Combined Properties, Incorporated / Environmental Due Diligence, Assessment and Remediation / Multiple Locations, Southern California:** Directed environmental due diligence activities for acquisition and divestment of commercial properties. Managed all aspects of pre-acquisition environmental due diligence activities including preparing Phase I Environmental Site Assessment (ESA) documents, characterizing subsurface soil and groundwater conditions for petroleum hydrocarbons and hazardous substances, conducting geotechnical evaluations, completing asbestos and lead-based paint evaluations, designing, installing and operating remedial systems, and providing assistance on mitigation of subsurface and building hazards.

- **Project Director / Related Companies of California / Environmental Due Diligence, Assessment and Remediation / Multiple Locations, Southern California:** Oversaw environmental due diligence activities for acquisition and divestment of residential and mixed-use properties. Responsible for all aspects of pre-acquisition environmental due diligence activities including preparing Phase I ESA documents, characterizing subsurface soil and groundwater conditions for petroleum hydrocarbons and hazardous substances, conducting geotechnical evaluations, completing asbestos and lead-based paint evaluations, designing, and providing assistance on mitigation of subsurface and building hazards.

- **Project Director / First Republic Bank, Environmental Due Diligence / Multiple Locations, Southern California:** Managed First Republic Bank's environmental risk management and environmental due diligence activities related to secured loans and real estate used as collateral for loan securitization. Completed more a dozen Phase I ESAs and Transaction Screen Reports at various locations throughout Southern California.

- **Project Director / Confidential Aerospace and Metal Finishing Locations / Multiple Locations, Southern California:** Performed environmental compliance and operational liability assessments for several aerospace finishing companies in Southern California. Due diligence activities included evaluation of facility environmental health and safety compliance programs, review of business environmental risks as related to limitations of existing wastewater and air discharge permits, and preparation of life-cycle environmental assessment and remediation costs for impacts to soil and groundwater resulting from historical facility operations. Deliverables prepared in support of these projects included detailed cash flow and probability-based life-cycle cost estimates for remedial action.

## PROFESSIONAL REGISTRATIONS

- Registered Environmental Health Specialist (REHS), California - #6183, 1991
- Certified Environmental Manager, Nevada - #1814, 2002
- California Air Resources Board Accredited Greenhouse Gas Emissions Lead Verifier (H-18-147)
- California Air Resources Board Accredited Oil & Gas Systems Process Specialist (H-18-147)

## EDUCATION

- M.S., Environmental Health, California State University, Northridge
- B.S., Environmental & Occupational Health, California State University, Northridge

## TRAINING AND CERTIFICATIONS

- CARB Greenhouse Gas Emissions Verifier Training – General, February 2018
- CARB Oil & Gas Sector Specialty Training, March 2018
- Project Manager Training
- Total Quality Management Training
- 40-Hour HAZWOPER Training and Annual 8-Hour Refresher Training
- Supervisory OSHA Health and Safety Training
- CPR and First Aid Training

## PROFESSIONAL AFFILIATIONS

- Society for Risk Analysis
- National Environmental Health Association
- Sustainable Remediation Forum

# APPENDIX J

# RECORDS OF COMMUNICATION

County of Riverside

# DEPARTMENT OF ENVIRONMENTAL HEALTH

www.rivcoeh.org

**Environmental Protection & Oversight Division**
**Hazardous Materials Management Branch**

## REQUEST FOR RECORDS

Requests for review of records are processed on a first come, first serve basis and the processing time is approximately 2-4 weeks. As required by California Public Records Act Section 6250 et seq., a response will be given within ten (10) business days to confirm receipt of your request.

Pursuant to California Government Code, Section 6254 (f), records of pending investigations and informant's names, addresses, and telephone numbers, will not be released.

**For access to electronic records available online, visit the Public Information section at www.rivcoeh.org for more details.**

| REQUESTOR INFORMATION | | |
|---|---|---|
| NAME: Victoria Rojo | DATE OF REQUEST: 9-18-19 | |
| BUSINESS NAME (IF ANY): ATC Group Services LLC | | |
| RETURN LEGAL MAILING ADDRESS: 25 Cupania Circle | | |
| CITY: Monterey Park | STATE: CA | ZIP: 91755 |
| PHONE: 323-517-9656 | | |

The following information is required. **List each street address separately.**

| | SITE STREET ADDRESS (NO APNs) | CITY |
|---|---|---|
| 1. | 26255 Palomar Road | Menifee |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |

Requests must be made in writing and submitted by mail, email, or in person to the following office:

4065 County Circle Drive, Room 104, Riverside, CA 92503
Phone: (951) 358-5055
Email: DEHRecordsMgmt@rivco.org
Mailing Address: P.O. Box 7909, Riverside, CA 92513-7909

**For our office locations call us at (888) 722-4234 or visit our website at www.rivcoeh.org**

County of Riverside

# DEPARTMENT OF ENVIRONMENTAL HEALTH

STEVE VAN STOCKUM, DIRECTOR

## RELEASE OF RECORDS RESPONSE

**September 28, 2018**

**Service Request No: 42878**

**ATC Group Services LLC**
**25 Cupania Circle**
**Monterey Park, CA 91755**
**Attn: Victoria Rojo**

Your request concerning **Hazardous Materials Management Records** has been received and a file search has been conducted. The appropriate action has been taken.

| Site Address | City | Records Found |
|---|---|---|
| **26255 Palomar Rd.** | **Menifee** | ☐ **YES** ☒ **NO** |
| **THIS IS NOT AN INVOICE** | **Estimated Cost** | **$0.00** |

If no records are found, no further action will be taken.

**If records are found, please contact our office at (951) 358-5055 to schedule a file review appointment.** Records will be available for 30 days from the date of this letter, after which a new Records Request will need to be submitted.

** There is a clerical records research fee of **$.50 for the first page, plus $.10 per additional page **Records will not be made available until this fee is paid****

Other fees may apply

Note: Additional time for processing may be required

**Appointments are scheduled in one (1) hour increments, not to exceed two (2) hours.**

Environmental Protection & Oversight Division
Hazardous Materials Management Branch
Attn: Records Management
P.O. Box 7909
Riverside, CA 92513-7909
Ph: (951) 358-5055
Fax (951) 358-5342

*additional fees may include costs for appt. cancellation/no show, time per service, scan/fax/mail of documents, cd/dvd

# ATTACHMENT
# CLIENT QUESTIONNAIRE

Per ASTM Standard Practice E1527-13, Section 6, User Responsibilities, the User of an ESA has specific obligations for performing tasks during the ESA that will help identify the possibility of *recognized environmental conditions* in connection with the property. Failure by the User to fully comply with the requirements may result in a *data gap* being identified in the report and may impact their ability to use the report to help qualify for *Landowner Liability Protections* (LLPs) under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). If this questionnaire is not returned to ATC prior to issuance of the draft report, then ATC assumes that the User does not have any information or actual knowledge pursuant to ASTM Standard Practice E1527-13, Section 6, User Responsibilities. ATC makes no representations or warranties regarding a User's qualification for protection under any federal, state or local laws, rules or regulations.

**Please complete the following and return immediately via email to the attention of:**
Todd Stanford; Email: todd.stanford.reed@atcgs.com
**If other parties are intending to be the Users of the ESA report, then please forward a copy of this questionnaire for them to complete and return to ATC.**

**Site Name:** Potential Lease Property

**Site Address:** 26255 Palomar Road, Menifee, CA 92585

**Parcel Number(s):** 3311900462

**Site Contact:** RYAN WRIGHT 469 859-8956

**Relying Parties:**

**ATC Project Number:**

*Please provide the following information (if available) per the requirements of ASTM E1527-13.*

**1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)**

Are you aware of any environmental cleanup liens against the site that are filed or recorded under federal, tribal, state or local law? Yes ☐ or No ☒

If yes, please provide a description of the lien(s).

**2. Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)**

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? Yes ☐ or No ☒ If yes, please provide.

**3. Specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (40 CFR 312.28)**

As the user of this ESA 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?
Yes ☐ or No ☒ If yes, please explain.

**4. Relationship of the purchase price to the fair market value of the site if it were not contaminated (40 CFR 312.29)**

a. Does the purchase price being paid for this site reasonably reflect the fair market value of the site? Yes ☐ or No ☒

b. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site?
Yes ☐ or No ☒ If yes, please explain.

**5. Commonly known or reasonably ascertainable information about the site (40 CFR 312.30)**

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? For example, as user,

a. Do you know the past uses of the site? Yes ☐ or No ☒ If yes, please state.

b. Do you know of specific chemicals that are present or once were present at the site? Yes ☐ or No ☒ If yes, please state.

c. Do you know of spills or other chemical releases that have taken place at the site? Yes ☐ or No ☒ If yes, please state.

d. Do you know of any environmental cleanups that have taken place at the site? Yes ☐ or No ☒ If yes, please state.

**6. The degree of obviousness of the presence or likely presence of contamination at the site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

As the user of this ESA, 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? Yes ☐ or No ☒ If yes, please explain.

This questionnaire was completed by:

| | |
|---|---|
| Property Role | User ☑ Current Owner ☐ Property Occupant ☐ Other ☐ |
| Name | RYAN WRIGHT |
| Title | SALES MANAGER |
| Signature | |
| Company of User | FORTERRA PIPE & PRECAST |
| Address of User | 26380 PALOMAR ROAD |
| | MENIFEE CA 92585 |
| Date | 9-10-18 |
| Prior Environmental Reports Available | Yes ☐ or No ☒ |

**Please complete the above and return immediately via email to the attention of:**
Todd Stanford; Email: todd.stanford@atcgs.com

# APPENDIX K

# LABORATORY REPORTS

**THIS SECTION IS INTENTIONALLY LEFT BLANK**

# APPENDIX L

# OTHER SUPPORTING DOCUMENTATION

Provided by:
PARCELQUEST

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCEL MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.

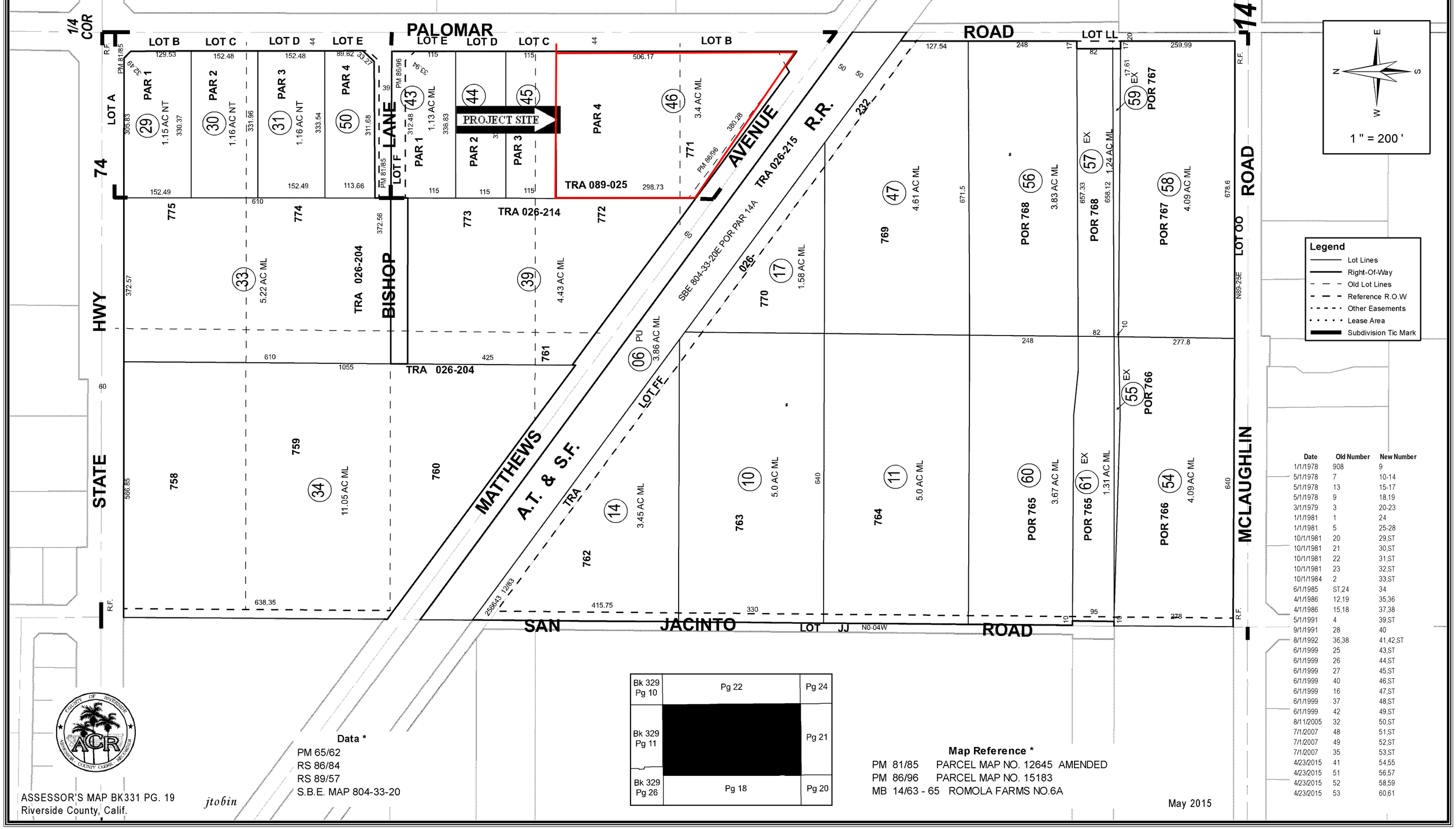
# POR NW SEC. 14 T. 5S, R. 3W

CITY OF MENIFEE

TRA 026-204
026-214
026-215
026-232

# 331-19

22-40-3




| Date | Old Number | New Number |
|---|---|---|
| 1/1/1978 | 908 | 9 |
| 5/1/1978 | 7 | 10-14 |
| 5/1/1978 | 13 | 15-17 |
| 5/1/1978 | 9 | 18,19 |
| 3/1/1979 | 3 | 20-23 |
| 1/1/1981 | 1 | 24 |
| 1/1/1981 | 5 | 25-28 |
| 10/1/1981 | 20 | 29,ST |
| 10/1/1981 | 21 | 30,ST |
| 10/1/1981 | 22 | 31,ST |
| 10/1/1981 | 23 | 32,ST |
| 10/1/1984 | 2 | 33,ST |
| 6/1/1985 | ST,24 | 34 |
| 4/1/1986 | 12,19 | 35,36 |
| 4/1/1986 | 15,18 | 37,38 |
| 5/1/1991 | 4 | 39,ST |
| 9/1/1991 | 28 | 40 |
| 8/1/1992 | 36,38 | 41,42,ST |
| 6/1/1999 | 25 | 43,ST |
| 6/1/1999 | 26 | 44,ST |
| 6/1/1999 | 27 | 45,ST |
| 6/1/1999 | 40 | 46,ST |
| 6/1/1999 | 16 | 47,ST |
| 6/1/1999 | 37 | 48,ST |
| 6/1/1999 | 42 | 49,ST |
| 8/11/2005 | 32 | 50,ST |
| 7/1/2007 | 48 | 51,ST |
| 7/1/2007 | 49 | 52,ST |
| 7/1/2007 | 35 | 53,ST |
| 4/23/2015 | 41 | 54,55 |
| 4/23/2015 | 51 | 56,57 |
| 4/23/2015 | 52 | 58,59 |
| 4/23/2015 | 53 | 60,61 |

| | | |
|---|---|---|
| Bk 329 Pg 10 | Pg 22 | Pg 24 |
| Bk 329 Pg 11 | [redacted] | Pg 21 |
| Bk 329 Pg 26 | Pg 18 | Pg 20 |

**Data ***
PM 65/62
RS 86/84
RS 89/57
S.B.E. MAP 804-33-20

**Map Reference ***
PM 81/85 PARCEL MAP NO. 12645 AMENDED
PM 86/96 PARCEL MAP NO. 15183
MB 14/63 - 65 ROMOLA FARMS NO.6A

ASSESSOR'S MAP BK331 PG. 19
Riverside County, Calif.

jtobin

May 2015

# National Flood Hazard Layer FIRMette

FEMA

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/24/2018 at 3:55:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

U.S. Fish and Wildlife Service

# National Wetlands Inventory

NWI

September 24, 2018

**Wetlands**

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

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

EASTERN MUNICIPAL WATER DISTRICT

# Your 2017 Water Quality

## CONSUMER CONFIDENCE REPORT

*Issued July 2018*

www.emwd.org

Eastern Municipal Water District

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Contaminants
Nitrate
Sensitive populations
Arsenic
Unregulated contaminants
Lead and copper

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Source water map

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The communities we serve
Protecting your drinking water

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Facts about total coliform bacteria
Abbreviations and definitions

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Distribution system data

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Water quality tables

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Get your report electronically
Public meeting and contact information


## OUR MISSION

To deliver value to our customers and the communities we serve by providing safe, reliable, economical and environmentally sustainable water, wastewater and recycled water services.

## OUR VISION

To provide essential services to our community at a level that exceeds the performance of any other public or private agency.

EMWD wants you, our valued customer, to be confident that your drinking water is safe.

## OUR CONTINUING COMMITMENT TO YOU

EMWD and its trained, certified water quality professionals are committed to…

- Providing high quality, safe drinking water at the lowest price possible.
- Monitoring and testing the water we serve to optimize quality and ensure it is always safe to drink.
- Finding and developing new water supply sources to ensure continued reliability for our customers.
- Providing educated staff to answer any questions from our customers.

## Dear Valued EMWD Customer,

Eastern Municipal Water District (EMWD) is pleased to present its annual water quality report. Once again, we provided you with consistently high quality drinking water throughout 2017. This annual water quality report shows how EMWD continues to meet or surpass all drinking water quality standards established by the United States Environmental Protection Agency (USEPA) and the State Water Resources Control Board (State Board).

EMWD is committed to providing a safe, high quality and reliable water supply while protecting public health. Using state-of-the-art water treatment processes; efficiently maintaining and operating our facilities; and conducting rigorous monitoring and testing of the water we serve, EMWD is able to achieve high quality tap water. Water samples are collected throughout the year from EMWD's 29 drinking water sources to carefully test for 200 contaminants and impurities. In 2017, EMWD's laboratory personnel collected 7,316 water samples and performed 40,060 tests to monitor and ensure quality.

EMWD supports science-based standards that provide health benefits to the public in an economically balanced manner. While groundwater or surface waters can have trace contaminants, EMWD protects your health and safety by treating the water we deliver—ensuring your water meets or surpasses all regulated drinking water standards.

The State Board requires that EMWD customers receive an annual copy of this report which summarizes the results of water quality tests and provides specific details about sources and quality of the water served in your community. The guidelines for distributing this report allow for electronic delivery of the report instead of a paper copy in the mail. By delivering these reports electronically, we reduce costs and eliminate paper waste associated with printing and mailing the full report to our more than 145,000 accounts.

Please note that you may change your delivery preference at any time. We will be happy to provide you with a paper copy of this report upon request through our web site at www.emwd.org/CCR or by calling us at (951) 928-3777, extension 3430.

We strongly encourage you to read this report and if you have any water quality questions, please feel free to contact Michelle Karras, Senior Environmental Analyst, or any of our Water Quality staff at (951) 928-3777, extension 3327. We also encourage you to get the latest news and information from EMWD through our website at www.emwd.org.

Thank you for being part of the EMWD family – we're here to serve you.

Paul D. Jones II, P.E.
GENERAL MANAGER
EASTERN MUNICIPAL WATER DISTRICT

*This annual water quality report contains important and useful information about the source(s) and the tests used to ensure the quality and safety of your drinking water. It also describes how EMWD meets all drinking water standards as set by the United States Environmental Protection Agency (USEPA) and enforced by the State Water Resources Control Board (State Board).*

## About Regulations

In order to ensure that tap water is safe to drink, the United States Environmental Protection Agency (USEPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The United States Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

### CONTAMINANTS THAT MAY BE PRESENT IN SOURCE WATER INCLUDE:

- MICROBIAL CONTAMINANTS, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock, and wildlife.
- INORGANIC CONTAMINANTS, such as salts and metals, can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- ORGANIC CHEMICAL CONTAMINANTS, including synthetic and volatile organic chemicals may be by-products of industrial processes or petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- PESTICIDES AND HERBICIDES may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- RADIOACTIVE CONTAMINANTS can be naturally-occurring or be the result of oil and gas production and mining activities.

### ABOUT NITRATE

Nitrate in drinking water at levels above 10 parts per million (ppm) is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of an infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 ppm may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should seek advice from your health care provider.

### SENSITIVE POPULATIONS

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised individuals such as those with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about their drinking water from their health care providers. USEPA and Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at **(800) 426-4791**.

### ARSENIC

While your drinking water meets the federal and state standard for arsenic, some of our sources do contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The USEPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

### UNREGULATED CONTAMINANTS

Unregulated contaminant monitoring helps USEPA and the State Board determine where certain contaminants occur and whether the contaminants need to be regulated.

### ABOUT LEAD AND COPPER

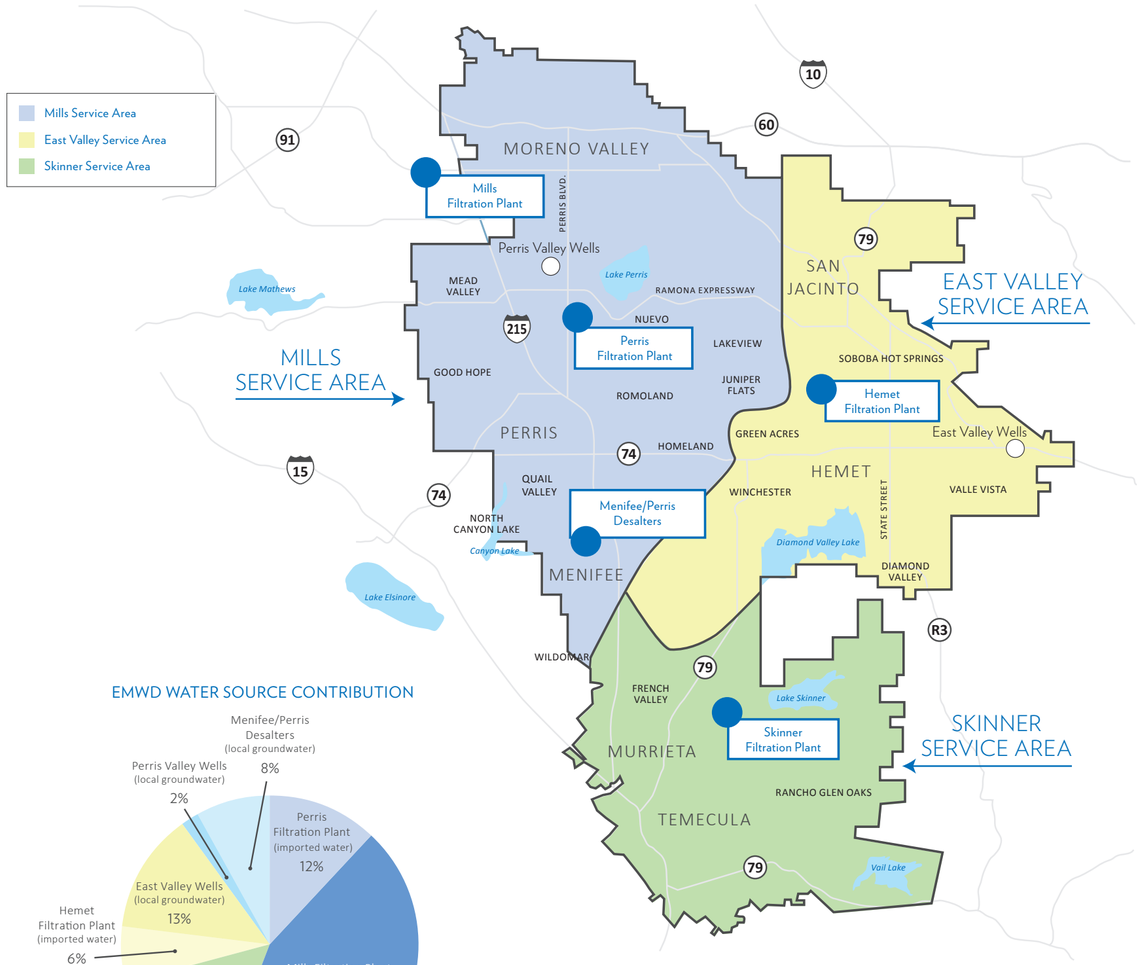
Lead and copper are rarely found in source waters; however, both of these metals can enter drinking water by leaching from household plumbing and fixtures. Water that sits in your pipes for long periods of time may dissolve tiny amounts of lead and/or copper (parts per billion levels) into household water. The USEPA has developed the Lead and Copper Rule to protect public health by establishing an action level of 15 parts per billion (ppb) for lead and 1300 ppb for copper.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. EMWD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. If your water has been sitting in your household plumbing for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. *If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.* If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at www.epa.gov/lead.

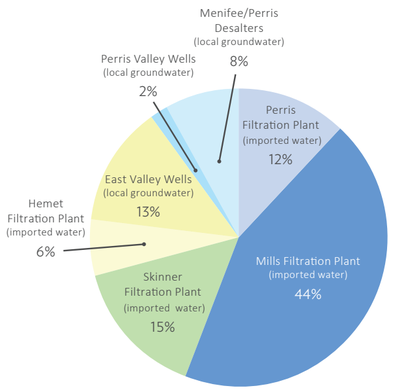
As part of the recent lead testing requirement, five schools in the San Jacinto Unified School District requested sampling for lead in 2017. Mandatory testing for lead in public schools began in 2018 and will continue through 2019. For more information visit www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/leadsamplinginschools.html.

# THE SOURCES OF YOUR TAP WATER...

To help you find specific details about your tap water, we have organized this report according to the communities we serve.




## EMWD WATER SOURCE CONTRIBUTION




Total Annual Water Usage: 26.1 billion gallons

# THE COMMUNITIES WE SERVE...

COMMUNITIES SERVED

Good Hope
Homeland
Juniper Flats
Lakeview
Mead Valley
Menifee**
Moreno Valley
North Canyon Lake
Nuevo
Perris
Quail Valley
Romoland
Wildomar

WEST COMMUNITIES SERVED

Diamond Valley
Green Acres
Hemet
San Jacinto
Winchester***

EAST COMMUNITIES SERVED

Hemet
San Jacinto
Soboba Hot Springs
Valle Vista

COMMUNITIES SERVED

French Valley
Menifee**
Murrieta
Rancho Glen Oaks****
Temecula
Winchester***

MILLS SERVICE AREA | Water for this service area comes from a combination of sources:

- The Henry J. Mills Filtration Plant* treats imported surface water supplied solely from northern California through the State Water Project (SWP). The Mills Filtration Plant adjusts the fluoride levels in the water to an optimal level recommended by the Centers for Disease Control and Prevention (CDC) for oral health, and uses chloramine for final disinfection.

WATER FROM THE MILLS FILTRATION PLANT IS BLENDED WITH SEVERAL OTHER EMWD WATER SOURCES:

- Two Perris Valley Wells serve a limited area of Perris – along Perris Boulevard south of the Ramona Expressway.
- The Perris Water Filtration Plant (PWFP) treats both Colorado River and SWP waters. This plant uses the latest ultrafiltration technology to remove particulate contaminants to produce quality, potable water. The PWFP serves Lakeview, Nuevo, Romoland, Homeland, and Juniper Flats. This plant uses chloramine for final disinfection.
- The Menifee and Perris Desalters convert salty groundwater into potable water using a reverse osmosis process. Menifee, North Canyon Lake, and Quail Valley are the only communities within the Mills Service Area to receive blended water from this desalination plant. The Menifee and Perris Desalters use chloramine for final disinfection.

EAST VALLEY SERVICE AREA | This service area is split into two regions:

WEST OF STATE STREET:

- The Hemet Water Filtration Plant (HWFP) treats both Colorado River and SWP waters. This plant uses the latest ultrafiltration technology to remove particulate contaminants and produce quality, drinking water. This treatment plant uses chloramine for final disinfection. Local groundwater also supplies this area.

EAST OF STATE STREET:

- A system of deep groundwater wells serves these communities. These wells are treated by adding free chlorine for final disinfection.

SKINNER SERVICE AREA | Water for this service area comes from:

- The Robert A. Skinner Filtration Plant* treats water from the Colorado River and from the SWP. The Skinner Plant adjusts the fluoride levels in the water to an optimal level recommended by the CDC for oral health, and uses chloramine for final disinfection.

** The Mills and Skinner Filtration Plants are owned and operated by The Metropolitan Water District of Southern California (Metropolitan). ** Typically served by the Mills Filtration Plant and occasionally served by the Skinner Filtration Plant. *** Typically served by the Hemet Water Filtration Plant and occasionally served by the Skinner Filtration Plant. **** This area is served water produced by Rancho California Water District. (RCWD). You may view RCWD's Consumer Confidence Report on their website at www.ranchowater.com.*

## PROTECTING YOUR DRINKING WATER

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at (800) 426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. The land that the water comes into contact with is called the watershed; everything that happens to or in the watershed can affect the quality of your drinking water supply.

EMWD uses several sources of water to serve its customers, including surface water from the Colorado River and the State Water Project (SWP), as well as local groundwater.

An initial assessment of all the watersheds, both surface water and groundwater, was completed in 2002. The Colorado River, a surface water source, was reassessed in 2010 and found to be most vulnerable to recreational activities, urban and storm water runoff, increasing urbanization in the watershed, and wastewater.

Water from the SWP, also a surface water source, was reassessed in 2011 and found to be most vulnerable to urban and storm water runoff, wildlife, agriculture, recreational activities, and wastewater.

An assessment of all EMWD wells was completed in 2013. Two sources were considered vulnerable to airports and airplane maintenance associated with a contaminant detected in the water supply. In addition, other EMWD wells were considered most vulnerable to the following due to proximity (not associated with any contaminants): commercial and industrial activities, residential activities, agriculture, and other activities such as recreation and transportation.

You can view vulnerability assessments on line at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/DWSAP.shtml and then click on "Summary of Assessments." You can also call (951) 928-3777, ext. 3327 for a copy of EMWD's vulnerability assessments.

**Protecting the sources of drinking water helps protect our health. It's everyone's responsibility, and here are a few ways you can help:**

- **Eliminate excess use of lawn and garden fertilizers and pesticides – they contain hazardous chemicals that can reach your drinking water source.**
- **Pick up after your pets.**
- **Dispose of chemicals properly; take used motor oil to a recycling center.**

# Facts about Total Coliform Bacteria

## *Water agencies test for the presence of coliform bacteria as an indicator of drinking water quality.*

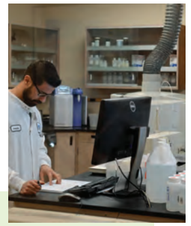
Coliform bacteria are naturally present in the environment and are generally not harmful. Coliform bacteria may occur in soil, vegetation, animal waste, sewage, and surface waters.

*This Consumer Confidence Report (CCR) reflects changes in drinking water regulatory requirements during 2017. All water systems are required to comply with the state Total Coliform Rule. All water systems are also required to comply with the federal Revised Total Coliform Rule. The new federal rule maintains the purpose to protect public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of microbials (i.e. total coliform and* E. coli *bacteria). The USEPA anticipates greater public health protection as the new rule requires water systems that are vulnerable to microbial contamination to identify and fix problems. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. If found, these must be corrected by the water system.*

**Eastern Municipal Water District routinely tests for the presence of coliform bacteria as an indicator of the sanitary quality of drinking water.** EMWD analyzed 3,065 coliform samples in 2017, two of which were total coliform positive. The maximum allowed by EPA for coliforms is no more than 5 percent in any month. The highest monthly coliform result was 0.4 percent, which complies with this standard. EMWD also tests for *E. coli* bacteria, which indicate fecal or sewage contamination. Zero samples tested positive for *E. coli* in 2017.

A positive coliform test result does not necessarily mean a maximum contaminant level (MCL) has been exceeded, or that there is a problem in the water system.

More information and general guidelines on ways to lessen the risk of infection by microbes are available from the EPA's Safe Drinking Water Hotline at **(800) 426-4791** or at **http://water.epa.gov/drink/info/**.



## ABBREVIATIONS

| | |
|---|---|
| AL | Action Level |
| CFU/mL | Colony-Forming Units per milliliter |
| DLR | Detection Limits for purposes of Reporting: State-determined level that a test can detect the chemical |
| grains/ gallon | grains per gallon: a measure of water hardness. One grain/gallon equals 17.1 ppm or mg/L |
| HPC | Heterotrophic Plate Count: a bacteriological test that counts the number of bacteria per milliliter of sample |
| LRAA | Locational Running Annual Average |
| MCL | Maximum Contaminant Level |
| MCLG | Maximum Contaminant Level Goal |
| MRDL | Maximum Residual Disinfectant Level |
| MRDLG | Maximum Residual Disinfectant Level Goal |
| MRL | Minimum Reporting Level: set by EPA for unregulated contaminant monitoring |
| NA | Not Applicable: no State or Federal standards are established |
| ND | Non-Detected: sample was taken and chemical was not detected |
| NL | Notification Level |
| NR | No Range: all result(s) were the same value |
| NTU | Nephelometric Turbidity Units |
| pCi/L | picoCuries per Liter |
| PHG | Public Health Goal |
| ppb | parts per billion or micrograms per liter (µg/L) |
| ppm | parts per million or milligrams per liter (mg/L) |
| ppt | parts per trillion or nanograms per liter (ng/L) |
| RAA | Running Annual Average |
| TON | Threshold Odor Number |
| TT | Treatment Technique |
| µS/cm | microSiemens per centimeter; or micromhos per centimeter (µmho/cm) |
| — | Samples not required |
| = | Equal |
| > | Greater than |
| < | Less than |
| ≤ | Less than or equal to |
| # | Number |
| % | Percent |

## DEFINITIONS

**90th Percentile:** The value in a data set in which 90 percent of the set is less than or equal to this value.

**Disinfection By-Product:** Compounds which are formed from mixing of organic or mineral precursors in the water with ozone, chlorine or chloramine. Bromate, Total Trihalomethanes, and Haloacetic Acids are disinfection by-products.

**Locational Running Annual Average (LRAA):** The Running Annual Average (RAA) at one sample location.

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the Public Health Goals (PHGs) or Maximum Contaminant Level Goals (MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA.

**Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Notification Level (NL):** Notification levels are health-based advisory levels established by the State Board for chemicals in drinking water that lack MCLs.

**Primary Drinking Water Standard (Primary Standard):** MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

**Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Running Annual Average (RAA):** The yearly average which is calculated every 3 months using the previous 12 months' data.

**Secondary Drinking Water Standard (Secondary Standard):** MCLs for contaminants that do not affect health but are used to monitor the aesthetics of the water.

**Treatment Technique (TT):** A required treatment process intended to reduce the level of a contaminant in drinking water.

# EASTERN MUNICIPAL WATER DISTRICT DISTRIBUTION SYSTEM DATA FOR 2017

| Parameter | Units | State or Federal Maximum Contaminant Level (MCL) | California Public Health Goal (PHG) | State Detection Limit for Reporting (DLR) | Range / Average | EMWD's Entire Distribution System | SERVICE AREA: Mills | SERVICE AREA: East Valley | SERVICE AREA: Skinner |
|---|---|---|---|---|---|---|---|---|---|
| **PRIMARY STANDARDS – MANDATORY HEALTH-RELATED STANDARDS** | | | | | | | | | |
| **MICROBIOLOGICAL** | | | | | | | | | |
| Total Coliform Bacteria | # positive coliforms | (A) | MCLG = 0 | NA | # positives in 2017 | 2 | 1 | 1 | 0 |
| | | | | | Highest monthly % | 0.4 | --- | --- | --- |
| Fecal Coliform Bacteria *(E. coli)* | # positive *E. coli* | (B) | MCLG = 0 | NA | # positives in 2017 | 0 | 0 | 0 | 0 |
| Heterotrophic Plate Count (HPC) | # HPCs > 500 CFU/mL | TT (C) | NA | NA | # HPC>500 in 2017 | 4 | 3 | 1 | 0 |
| | | | | | Lowest monthly % | 99.2 | --- | --- | --- |
| **DISINFECTION BY-PRODUCTS AND DISINFECTANT RESIDUALS** | | | | | | | | | |
| Bromate (Mills & Skinner plants only) (D) | ppb | RAA = 10 | 0.1 | 1.0 | Range | --- | ND - 7.8 | --- | ND - 12 |
| | | | | | Highest RAA | --- | 3.2 | --- | 4.1 |
| Haloacetic Acids (5) (HAA5s) (E) | ppb | LRAA = 60 | NA | (E) | Range | 0 - 65 | 0 - 30 | 0 - 65 | 0 - 22 |
| | | | | | Highest LRAA | 40 | 19 | 40 | 9.4 |
| Total Trihalomethanes (TTHMs) (F) | ppb | LRAA = 80 | NA | 1 | Range | 4.0 - 95 | 14 - 51 | 4.0 - 95 | 8.2 - 51 |
| | | | | | Highest LRAA | 66 | 41 | 66 | 25 |
| Total Chlorine Residual Chlorine and Chloramines | ppm | MRDL = 4.0 as $Cl_2$ | MRDLG = 4 as $Cl_2$ | NA | Range | ND - 4.3 | ND - 4.3 | ND - 3.2 | ND - 3.0 |
| | | | | | Average | 1.6 | 1.5 | 1.6 | 1.6 |
| **METALS AS A BY-PRODUCT OF CORROSION OF CONSUMER'S PLUMBING (G)** | | | | | | | | | |
| Copper | ppb | AL = 1300 | 300 | 50 | NA | 90th percentile of 50 samples: 210 ppb \| Zero samples exceeded the Action Level | | | |
| Lead | ppb | AL = 15 | 0.2 | 5 | NA | 90th percentile of 50 samples: <5 ppb \| Zero samples exceeded the Action Level | | | |
| **SECONDARY STANDARDS – AESTHETIC STANDARDS (H)** | | | | | | | | | |
| **PHYSICAL PARAMETERS** | | | | | | | | | |
| Color | Units | 15 | NA | NA | Range | ND - 12 | ND - 3 | ND - 3 | ND - 12 |
| | | | | | Average | ND | ND | ND | ND |
| Odor Threshold | TON | 3 | NA | 1 | Range | NR | NR | NR | NR |
| | | | | | Average | 1 | 1 | 1 | 1 |
| pH | pH unit | 6.5 - 8.5 | NA | NA | Range | 7.0 - 9.3 | 7.1 - 9.3 | 7.6 - 8.7 | 7.0 - 8.9 |
| | | | | | Average | 8.2 | 8.3 | 8.1 | 8.0 |
| Turbidity | NTU | 5 | NA | 0.1 | Range | 0.1 - 1.9 | 0.1 - 1.9 | 0.1 - 1.9 | 0.1 - 0.8 |
| | | | | | Average | 0.2 | 0.2 | 0.2 | 0.2 |
| **UNREGULATED CONTAMINANT MONITORING (I)** | | | | | | | | | |
| Chlorate | ppb | NL = 800 | NA | MRL = 20 | Range | ND - 760 | ND - 620 | ND - 760 | 34 - 77 |
| | | | | | Average | 120 | 130 | 170 | 48 |
| Total Chromium (I) | ppb | 50 | NA | MRL = 0.2 DLR = 10 | Range | ND - 1.0 | ND - 1.0 | ND - 0.2 | NR |
| | | | | | Average | 0.1 | 0.3 | ND | ND |
| Chromium-6 (I) | ppb | NA | 0.02 | MRL = 0.03 DLR = 1 | Range | ND - 1.4 | 0.06 - 0.57 | ND - 1.4 | 0.05 - 0.08 |
| | | | | | Average | 0.20 | 0.38 | 0.15 | 0.07 |
| Molybdenum | ppb | NA | NA | MRL = 1 | Range | ND - 15 | ND - 11 | 2 - 15 | ND - 11 |
| | | | | | Average | 4 | 3 | 5 | 3 |
| Strontium | ppb | NA | NA | MRL = 0.3 | Range | 190 - 1000 | 190 - 820 | 220 - 390 | 750 - 1000 |
| | | | | | Average | 490 | 340 | 290 | 840 |
| Vanadium | ppb | NL = 50 | NA | MRL = 0.2 | Range | ND - 20 | 2.7 - 16 | 2.1 - 20 | NR |
| | | | | | Average | 3.7 | 6.1 | 4.9 | ND |

*The State Board allows EMWD to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Data presented is from sampling completed in 2017, unless otherwise indicated. Some of EMWD's data, though representative, are more than one year old.*

*EMWD supports science-based standards that provide health benefits to the public in an economically balanced manner. Should more stringent standards be set, EMWD will meet them. EMWD's water has met and will continue to meet all regulations.*

*Unregulated contaminant monitoring helps USEPA and the State Board determine where certain contaminants occur and whether the contaminants need to be regulated.*

## FOOTNOTES

(A) Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform-positive. Compliance is based on distribution system samples. EMWD analyzed 3,065 coliform samples in 2017, four of which were total coliform positive. The highest monthly coliform result was 0.4%. The MCL was not violated in 2017.

(B) Fecal coliform/*E. coli* MCLs: An MCL violation is the occurrence of two (2) consecutive total coliform-positive samples, one of which contains fecal coliform or *E. coli.* There were zero detected fecal coliforms. The MCL was not violated in 2017.

(C) HPCs were tested only in distribution system samples which had no detectable chlorine residual. No less than 95% of all distribution system samples in one month may have no detectable chlorine residual and an HPC greater than 500 colony forming units per mL. The HPC results were no less than 99.2% in any month in 2017.

(D) Bromate is a disinfection by-product resulting from the use of ozone. Currently, the Mills and Skinner Filtration plants use ozone.

(E) DLR = 1.0 ppb for each Haloacetic Acid 5 (HAA5) analyte (dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid) except for monochloroacetic acid which has a DLR = 2.0 ppb. Locational running annual averages and ranges are calculated from 12 samples sites collected quarterly throughout the distribution system. HAA5s are a by-product of drinking water chlorination.

(F) Total Trihalomethanes (TTHMs) are the sum of the following analytes: bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Locational Running Annual Averages (LRAA) and ranges are calculated from 12 sample sites collected quarterly throughout the distribution system. TTHMs are a by-product of drinking water chlorination.

(G) Lead and Copper are regulated as a Treatment Technique under the Lead and Copper Rule, which requires systems to take 50 water samples at the consumers' tap every three years. Results are from 2016. Neither lead nor copper are typically found in the source waters but can get into water by way of internal corrosion of household plumbing.

(H) Compliance for physical parameters is determined by the average, however all samples are reviewed and any values outside the compliance range are noted and corrected if possible. Values above the MCL may be acceptable so long as the average complies with the MCL.

(I) Unregulated contaminant monitoring spanned four consecutive quarters from 2013 to 2014. Total Chromium and Chromium-6 are regulated contaminants, however they were tested using reporting limits that were much lower than regulation as part of an unregulated contaminant rule. There is currently no MCL for hexavalent chromium. The previous MCL of 0.010 mg/L was withdrawn on September 11, 2017. Any results above the detection limit of 1 ppb is reported.

# EASTERN MUNICIPAL WATER DISTRICT 2017 WATER QUALITY TABLE

*WE ARE REQUIRED TO MONITOR YOUR DRINKING WATER FOR SPECIFIC CONTAMINANTS ON A REGULAR BASIS.*

*RESULTS ARE AN INDICATOR OF WHETHER OR NOT YOUR DRINKING WATER MEETS HEALTH STANDARDS.*

| Parameter | Units | State or Federal Maximum Contaminant Level (MCL) | California Public Health Goal (PHG) | State Detection Limit for Reporting (DLR) | MENIFEE, MORENO VALLEY, NORTH CANYON LAKE, PERRIS & WILDOMAR | | | | | | | | MURRIETA | | HEMET & SAN JACINTO | | | | Major Sources in Drinking Water |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Mills Filtration Plant | | Perris Valley Wells (J) | | Perris Filtration Plant | | Menifee and Perris Desalters | | Skinner Filtration Plant | | East Valley Wells | | Hemet Filtration Plant | | |
| Percent of total water delivered by EMWD | % | | | | 44% | | 2% | | 12% | | 8% | | 15% | | 13% | | 6% | | |
| | | | | | Range | Average | Range | Average | Range | Average | Range | Average | Range | Average | Range | Average | Range | Average | |
| **PRIMARY STANDARDS–MANDATORY HEALTH-RELATED STANDARDS** | | | | | | | | | | | | | | | | | | | |
| **CLARITY** | | | | | Highest NTU | % ≤ 0.3 | | | Highest NTU | % ≤ 0.1 | | | Highest NTU | % ≤ 0.3 | | | Highest NTU | % ≤ 0.1 | |
| Combined Filter Effluent Turbidity | NTU and % | (K) | NA | NA | 0.08 | 100 | --- | --- | 0.32 | 99.87 | --- | --- | 0.10 | 100 | --- | --- | 0.4 | 99.76 | Soil runoff |
| **ORGANIC CHEMICAL** | | | | | | | | | | | | | | | | | | | |
| Trichloroethylene (TCE) | ppb | 5 | 1.7 | 0.5 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Discharge from metal degreasing sites and other factories |
| **INORGANIC CHEMICALS** | | | | | | | | | | | | | | | | | | | |
| Aluminum | ppb | 1000 (L) 200 | 600 | 50 | ND - 85 | 93 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | NR | Residue from water treatment process; natural deposits erosion |
| Arsenic (M) | ppb | 10 | 0.004 | 2 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | ND - 3.7 | 2.2 | NR | ND | Natural deposits erosion; runoff from orchards; glass and electronics production wastes |
| Barium | ppm | 1 | 2 | 0.1 | NR | ND | NR | 0.3 | NR | ND | NR | ND | NR | ND | ND - 0.1 | ND | NR | ND | Discharges of oil drilling wastes and from metal refineries; natural deposits erosion |
| Fluoride (Naturally-occurring) | ppm | 2.0 | 1.0 | 0.1 | --- | --- | NR | 0.4 | ND - 0.3 | 0.1 | NR | ND | --- | --- | 0.2 - 0.5 | 0.3 | ND - 1.3 | ND | Erosion of natural deposits; discharge from fertilizer and aluminum factories |
| Fluoride (Treatment related) (N) | ppm | 2.0 | 1.0 | 0.1 | 0.6 - 0.9 | 0.7 | --- | --- | --- | --- | --- | --- | 0.5 - 0.9 | 0.7 | --- | --- | --- | --- | Water additive to promote strong teeth |
| Nitrate (as N) | ppm | 10 | 10 | 0.4 | NR | 0.5 | 1.3 - 5.2 | 4.3 | ND - 1.3 | 0.8 | 2.4 - 4.5 | 3.5 | NR | ND | ND - 2.8 | 0.9 | ND - 0.87 | ND | Runoff/leaching from fertilizer use; septic tank and sewage; natural deposits erosion |
| Perchlorate | ppb | 6 | 1 | 4 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Rocket propellant, fireworks, explosives, and industrial discharge; runoff/leaching from fertilizer use |
| Selenium | ppb | 50 | 30 | 5 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Runoff/leaching from livestock lots (feed additive), discharge from petroleum, glass and metal refineries; discharge from mines and chemical manufacturers; erosion of natural deposits |
| **RADIOLOGICALS** | | | | | | | | | | | | | | | | | | | |
| Gross Alpha Particle Activity | pCi/L | 15 | MCLG = 0 | 3 | ND - 4 | ND | ND - 6 | 4 | NR | ND | NR | ND | ND - 5 | ND | NR | ND | NR | ND | Erosion of natural deposits |
| Gross Beta Particle Activity | pCi/L | 50 | MCLG = 0 | 4 | NR | ND | NR | ND | NR | ND | NR | ND | NR | 5 | ND - 11 | ND | NR | ND | Decay of natural and man-made deposits |
| Uranium | pCi/L | 20 | 0.43 | 1 | ND - 4 | 2 | 1 - 4 | 2 | NR | ND | NR | ND | 1 - 2 | 2 | 1 - 5 | 2 | NR | 1.2 | Erosion of natural deposits |
| **SECONDARY STANDARDS–AESTHETIC STANDARDS** (CONTINUED ON PAGES 10-11) | | | | | | | | | | | | | | | | | | | |
| Chloride | ppm | 500 | NA | NA | 30 - 41 | 36 | NR | 320 | 42 - 420 | 75 | 160 - 200 | 180 | 56- 72 | 64 | 12 - 30 | 20 | 26 - 120 | 54 | Runoff/leaching from natural deposits; seawater influence |
| Color | Units | 15 | NA | NA | NR | 1 | NR | ND | NR | ND | NR | ND | NR | 1 | NR | ND | NR | ND | Naturally-occurring organic materials |
| Iron | ppb | 300 | NA | 100 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Leaching from natural deposits |
| Manganese | ppb | 50 | NL = 500 | 20 | NR | ND | NR | ND | NR | ND | NR | ND | NR | 27 | NR | ND | NR | ND | Leaching from natural deposits |
| Odor Threshold | TON | 3 | NA | 1 | NR | 3 | NR | 1 | NR | 1 | NR | 1 | NR | 3 | NR | 1 | NR | 1 | Naturally-occurring organic materials |

## FOOTNOTES

(J) Values are from blended Well 57 and raw well values from other wells in area. Well 57 is blended on site with Mills water to improve Total Dissolved Solids.

(K) The turbidity level of the combined filter effluent at the Mills and Skinner Filtration plants shall be less than or equal to 0.3 NTU in 95% of the measurements taken each month and shall not exceed 1 NTU at any time. For the Perris and Hemet Filtration plants, the turbidity level of the combined filter effluent shall be less than or equal to 0.1 NTU in 95% of the measurements taken each month and shall not exceed 1 NTU at any time. Turbidity is a measure of the cloudiness of the water and is an indicator of treatment performance.

(L) Aluminum has both primary (1,000 ppb) and secondary (200 ppb) standards (MCLs).

(M) While your drinking water meets the federal and state standard for arsenic, some of our sources do contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

(N) Metropolitan began fluoride treatment of water at Mills and Skinner Filtration plants in 2007. Fluoride is not added to the water in the East Valley Area.

*The State Board allows EMWD to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Data presented is from sampling completed in 2017, unless otherwise indicated. Some of EMWD's data, though representative, are more than one year old.*

*EMWD supports science-based standards that provide health benefits to the public in an economically balanced manner. Should more stringent standards be set, EMWD will meet them. EMWD's water has met and will continue to meet all regulations.*

*Unregulated contaminant monitoring helps EPA and the State Board determine where certain contaminants occur and whether the contaminants need to be regulated.*

2013 - 2014 data | 2014 data | 2014 - 2015 data

ND – non-detected NR – no range

# EASTERN MUNICIPAL WATER DISTRICT 2017 WATER QUALITY TABLE

*WE ARE REQUIRED TO MONITOR YOUR DRINKING WATER FOR SPECIFIC CONTAMINANTS ON A REGULAR BASIS.*

*RESULTS ARE AN INDICATOR OF WHETHER OR NOT YOUR DRINKING WATER MEETS HEALTH STANDARDS.*

| Parameter | Units | State or Federal Maximum Contaminant Level (MCL) | California Public Health Goal (PHG) | State Detection Limit for Reporting (DLR) | MENIFEE, MORENO VALLEY, NORTH CANYON LAKE, PERRIS & WILDOMAR | | | | | | | | MURRIETA | | HEMET & SAN JACINTO | | | | Major Sources in Drinking Water |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Mills Filtration Plant | | Perris Valley Wells (J) | | Perris Filtration Plant | | Menifee and Perris Desalters | | Skinner Filtration Plant | | East Valley Wells | | Hemet Filtration Plant | | |
| | | | | | Range | Average | Range | Average | Range | Average | Range | Average | Range | Average | Range | Average | Range | Average | |
| **SECONDARY STANDARDS–AESTHETIC STANDARDS** (CONTINUED FROM PAGES 8-9) | | | | | | | | | | | | | | | | | | | |
| Specific Conductance | µS/cm | 1600 | NA | NA | 278 - 307 | 292 | 1140 - 1530 | 1290 | 260 - 920 | 540 | 650 - 970 | 780 | 455 - 571 | 513 | 300 - 440 | 390 | 220 - 800 | 370 | Substances that form ions in water; seawater influence |
| Sulfate | ppm | 500 | NA | 0.5 | 26 - 39 | 32 | NR | 64 | 21 - 180 | 69 | 16 - 32 | 26 | 66 - 81 | 74 | 16 - 63 | 39 | 25 - 240 | 100 | Runoff/leaching from natural deposits; industrial wastes |
| Total Dissolved Solids (TDS) | ppm | 1000 | NA | NA | 163 - 170 | 166 | 530 - 850 | 840 | 160 - 570 | 300 | 360 - 590 | 470 | 259 - 321 | 290 | 200 - 260 | 230 | 70 - 470 | 190 | Runoff/leaching from natural deposits; seawater influence |
| Turbidity (O) | NTU | 5 | NA | 0.1 | NR | ND | NR | 4.4 (R) | 0.1 - 0.2 | 0.1 | NR | 0.1 | NR | ND | 0.1 - 0.7 | 0.2 | 0.1 - 1.4 | 0.2 | Soil runoff |
| **UNREGULATED CONTAMINANT MONITORING** (I) | | | | | | | | | | | | | | | | | | | |
| Chlorate | ppb | NA | NL = 800 | MRL = 20 | ND - 33 | 22 | ND - 170 | 55 | 110 - 150 | 120 | 68 - 620 | 340 | 34 - 77 | 48 | ND - 760 | 200 | 82 - 170 | 140 | Agricultural defoliant or desiccant; disinfection by-product; used in production of chlorine dioxide |
| Chromium-6 (I) | ppb | NA | 0.02 | MRL = 0.03 DLR = 1 | 0.18 - 0.57 | 0.34 | 0.44 - 1.3 | 0.97 | 0.06 - 0.11 | 0.08 | 0.12 - 0.16 | 0.14 | 0.05 - 0.08 | 0.07 | ND - 1.4 | 0.23 | 0.06 - 0.09 | 0.07 | Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits |
| Molybdenum | ppb | NA | NA | MRL = 1 | 2 - 3 | 2 | ND - 11 | 6 | 3 - 4 | 3 | ND - 2 | 1 | NR | 4 | 3 - 15 | 7 | 2 - 3 | 2 | Naturally-occurring element found in ores and present in plants, animals and bacteria; used in a chemical reagent |
| Perfluoroheptanoic Acid (PFHpA) | ppt | NA | NA | MRL = 10 | NR | ND | ND - 22 | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Manmade chemical; used in products to make them stain, grease, heat and water resistant |
| Perfluorohexanesulfonic Acid (PFHxS) | ppt | NA | NA | MRL = 30 | NR | ND | ND - 120 | 38 | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Manmade chemical; used in products to make them stain, grease, heat and water resistant |
| Perfluorooctanesulfonic Acid (PFOS) (Q) | ppt | NA | NA | MRL = 40 | NR | ND | ND - 82 | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Surfactant or emulsifier; used in fire-fighting foam, circuit board etching acids, alkaline cleaners, floor polish, and as a pesticide |
| Perfluorooctanoic Acid (PFOA) (Q) | ppt | NA | NA | MRL = 20 | NR | ND | ND - 53 | ND | NR | ND | NR | ND | NR | ND | NR | ND | NR | ND | Used as surfactant or emulsifier in Teflon, fire-fighting foams, cleaners, cosmetics, greases and lubricants, paints, polishes, adhesives and photographic films |
| Strontium | ppb | NA | NA | MRL = 0.3 | 190 - 330 | 260 | 340 - 820 | 550 | 250 - 280 | 260 | 240 - 340 | 290 | 750 - 1000 | 840 | 220 - 390 | 310 | 240 - 290 | 260 | Naturally-occurring element; historically used in production of cathode-ray tube televisions |
| Vanadium | ppb | NA | NL = 50 | MRL = 0.2 | 3.6 - 5.4 | 4.2 | 4.4 - 16 | 12 | 3.3 - 5.3 | 4.5 | 2.7 - 4.4 | 3.6 | NR | ND | 2.7 - 20 | 7.2 | 2.1 - 2.9 | 2.5 | Naturally-occurring; industrial waste discharge |
| **OTHER PARAMETERS** | | | | | | | | | | | | | | | | | | | |
| Alkalinity (Total) | ppm | NA | NA | NA | 41 - 55 | 48 | NR | 150 | 44 - 120 | 81 | 31 - 89 | 58 | 62 - 78 | 70 | 120 - 150 | 130 | 34 - 110 | 57 | Naturally-occurring carbonates; measures water's ability to neutralize acid |
| Boron | ppb | NL = 1000 | NA | 100 | NR | 100 | NR | 620 | 77 - 220 | 130 | 150 - 860 | 420 | NR | 110 | ND - 200 | ND | ND - 220 | 100 | Runoff/leaching from natural deposits; industrial wastes |
| Calcium | ppm | NA | NA | NA | 13 - 14 | 14 | NR | 120 | 17 - 66 | 33 | 39 - 58 | 48 | 27 - 32 | 30 | 34 - 64 | 46 | 11 - 27 | 16 | Naturally-occurring mineral |
| Hardness as Calcium Carbonate (P) | grains/gallon | NA | NA | NA | 3.4 - 3.7 | 3.5 | NR | 25 | 3.9 - 15 | 7.8 | 7.6 - 12 | 9.3 | 6.4 - 7.5 | 7.0 | 5.5 - 11 | 7.6 | 2.6 - 7.6 | 4.1 | Naturally-occurring; the sum of calcium and magnesium in the water |
| Magnesium | ppm | NA | NA | NA | 6.1 - 7.5 | 6.8 | NR | 29 | 6.0 - 22 | 13 | 8.2 - 13 | 10 | 11 - 13 | 12 | 2.4 - 5.9 | 4.0 | 4.2 - 15 | 7.8 | Naturally-occurring mineral |
| Sodium | ppm | NA | NA | NA | NR | 32 | NR | 120 | 29 - 95 | 58 | 64 - 110 | 96 | 48 - 56 | 52 | 27 - 52 | 37 | 22 - 90 | 42 | Naturally-occurring mineral |

## FOOTNOTES

(I) Unregulated contaminant monitoring spanned four consecutive quarters from 2013 to 2014. Total Chromium and Chromium-6 are regulated contaminants, however they were tested using reporting limits that were much lower than regulation as part of an unregulated contaminant rule. There is currently no MCL for hexavalent chromium. The previous MCL of 0.010 mg/L was withdrawn on September 11, 2017. Any results above the detection limit of 1 ppb is reported.

(J) Values are from blended Well 57 and raw well values from other wells in area. Well 57 is blended on site with Mills water to improve Total Dissolved Solids. Well 59 data is from 2015 since we discontinued its use early in 2016 due to a new USEPA health advisory exceedance of PFOS and PFOA.

(O) Turbidity is a measure of the cloudiness of the water and is an indicator of treatment performance. Secondary standards were based either on the treatment plant effluent or raw well water.

(P) Water hardness, measured in grains per gallon as calcium carbonate, is characterized by the following scale: 0 – 4.4 is soft, 4.4 – 8.8 is moderately hard, 8.8 – 17.5 is hard and greater than 17.5 is very hard.

(Q) EPA has established the health advisory for a combined PFOA and PFOS concentration of 70 parts per trillion. EPA health advisories provide information on contaminants that may cause health effects or are anticipated to occur in drinking water but are non-enforceable and non-regulatory.

(R) Result from one raw well sample.

*The State Board allows EMWD to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of EMWD's data, though representative, are more than one year old.*

*EMWD supports science-based standards that provide health benefits to the public in an economically balanced manner. Should more stringent standards be set, EMWD will meet them. EMWD's water has met and will continue to meet all regulations.*

*Unregulated contaminant monitoring helps EPA and the State Board determine where certain contaminants occur and whether the contaminants need to be regulated.*

### ONE PART PER MILLION (PPM) IS LIKE

- 1 second in 11.6 days
- 1 teaspoon in 1,302 gallons
- 1 drop in 13.6 gallons

### ONE PART PER BILLION (PPB) IS LIKE

- 1 second in 31.7 years
- 1 teaspoon in 1.3 million gallons
- 1 drop in 13,563 gallons

### ONE PART PER TRILLION (PPT) IS LIKE

- 1 second in 31,710 years
- 1 teaspoon in 1.3 billion gallons
- 1 drop in 13,563,368 gallons

EASTERN MUNICIPAL WATER DISTRICT

2270 Trumble Road
PO Box 8300
Perris, CA 92572-8300

PRSRT STD
US POSTAGE
PAID
PERRIS, CA
PERMIT NO.10

# Your 2017 Water Quality

CONSUMER CONFIDENCE REPORT

*Issued July 2018*

## DO YOU WANT A PAPER OR ELECTRONIC COPY OF THIS REPORT?

The choice is yours! It's easy to tell us how you want to receive future water quality reports, or if you would like to change your current delivery method. Just use one of the following options:

1. Tell us on-line at **www.emwd.org/CCR**.
2. Call **(951) 928-3777, extension 3430**.

## Public Meetings

EMWD's Board of Directors meetings are generally held on the 1st and 3rd Wednesdays of each month beginning at 9:00 a.m.

If you wish to attend a meeting, please call the Board Secretary during normal business hours at **(951) 928-3777, extension 4235** to confirm meeting dates or check the Board Meeting Calendar online at **www.emwd.org/BoardMeetings**.

For more information on this report, contact: Water Quality **(951) 928-3777, extension 3327** or visit **www.emwd.org/WaterQuality**.

## Why You Should Read This Report

THIS YEAR'S DRINKING WATER QUALITY REPORT…

- Examines how EMWD ensures your drinking water is safe, high quality, and reliable.
- Provides science-based data and facts about the sources, quality, and safety of your drinking water.
- Explains how customers can always choose how they wish to receive future water quality reports.

## Would You Like to Receive This Report in Spanish?

IF YOU WOULD LIKE TO OBTAIN THIS INFORMATION IN SPANISH, VISIT WWW.EMWD.ORG/CCR AND SELECT "ESPAÑOL" OR CALL (951) 928-3777 EXT. 4221 FOR A SPANISH COPY BY MAIL.

ESTE INFORME CONTIENE INFORMACIÓN IMPORTANTE CON SOBRE LA CALIDAD DE SU AGUA. SI USTED DESEA OBTENER INFORMACIÓN EN ESPAÑOL, VISITA WWW.EMWD.ORG/CCR Y SELECCIONE "ESPAÑOL" O LLAME (951) 928-3777, EXT. 4221 PARA SOLICITAR UNA COPIA POR CORREO.

# City of Menifee
# Land Use

PROJECT SITE

PERRIS

CANYON LAKE

LAKE ELSINORE

WILDOMAR

MURRIETA

- Rural Mountainous 10 ac min (RM)
- Rural Residential 5 ac min (RR5)
- Rural Residential 2 ac min (RR2)
- Rural Residential 1 ac min (RR1)
- Rural Residential 1/2 ac min (RR1/2)
- 2.1-5 du/ac Residential (2.1-5 R)
- 5.1-8 du/ac Residential (5.1-8 R)
- 8.1-14 du/ac Residential (8.1-14 R)
- 20.1-24 du/ac Residential (20.1-24 R)
- Commercial Retail (CR) 0.20 - 0.35 FAR
- Commercial Office (CO) 0.25 - 1.0 FAR
- Heavy Industrial (HI) 0.15 - 0.50 FAR
- Business Park (BP) 0.25 - 0.60 FAR
- Economic Development Corridor (EDC)
- Agriculture (AG)
- Conservation (OS-C)
- Recreation (OS-R)
- Water (OS-W)
- Public/Quasi Public Facilities (PF)
- Public Utility Corridor (PUC)
- Railroad
- Specific Plan (SP)

N

0 0.5 1 Miles

Date Updated: April 2018
Credits: Riverside County GIS, City of Menifee, ESRI

**Possible Lease Property**
26255 Palomar Road
Menifee, CA 92585

Inquiry Number: 5427697.10
September 19, 2018

# EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

# EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

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# EDR Environmental Lien and AUL Search

## TARGET PROPERTY INFORMATION

### ADDRESS

26255 Palomar Road
Possible Lease Property
Menifee, CA 92585

### RESEARCH SOURCE

**Source 1:**

Riverside Recorder
Riverside, CA

### PROPERTY INFORMATION

**Deed 1:**

| | |
|---|---|
| Type of Deed: | deed |
| Title is vested in: | Romoland Investors LP |
| Title received from: | Eco Farms Defined Benefit Plan Inc |
| Deed Dated | 8/30/2005 |
| Deed Recorded: | 10/28/2005 |
| Book: | NA |
| Page: | na |
| Volume: | na |
| Instrument: | na |
| Docket: | NA |
| Land Record Comments: | |
| Miscellaneous Comments: | |
| **Legal Description:** | See Exhibit |
| **Legal Current Owner:** | Romoland Investors LP |
| **Parcel # / Property Identifier:** | 331190046 |
| **Comments:** | See Exhibit |

## ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

## OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

# Deed Exhibit 1

RECORDING REQUESTED BY:
Fidelity National Title - Builder Services
Escrow No. 9464-KT
Title Order No. 09901368

When Recorded Mail Document and Tax Statement To:
Mr. Carl Johnson
512 Chaney Street
Lake Elsinore, CA 92530

09901368

APN: 331-190-046
TRA. 089-025

DOC # 2005-0893483
10/28/2005 08:00A Fee:23.00
Page 1 of 3 Doc T Tax Paid
Recorded in Official Records
County of Riverside
Larry W. Ward
Assessor, County Clerk & Recorder

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S USE

# GRANT DEED

23

T
DA

**The undersigned grantor(s) declare(s)**
**Documentary transfer tax is $880.00**
- [ X ] computed on full value of property conveyed, or
- [ ] computed on full value less value of liens or encumbrances remaining at time of sale,
- [ ] Unincorporated Area City of Romoland

**FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,** Eco Farms Defined Benefits Plan, Inc., a California Corporation

**hereby GRANT(S) to** Romoland Investors, LP, a California limited partnership

**the following described real property in the City of** Romoland
**County of** Riverside, **State of** California:

DATED: August 30, 2005

STATE OF CALIFORNIA
COUNTY OF Riverside
ON October 7, 2005 before me, Jerri Selway Notary Public personally appeared Steven Taft

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal.

Signature Jerri Selway

Eco Farms Defined Benefits Plan, Inc., a California corporation

By: _____

Its: Trustee

JERRI SELWAY
Commission # 1543226
Notary Public - California
Riverside County
My Comm. Expires Jan 10, 2009

**MAIL TAX STATEMENTS AS DIRECTED ABOVE**

# EXHIBIT "ONE"

Parcel(s) 4 of Parcel Map No. 15183, in the unincorporated area of Riverside County as shown by map on file in Book 86, Page(s) 96 of Parcel Maps, in the office of the County Recorder of Riverside County, California.

GOVERNMENT CODE 27361.7

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE NOTARY SEAL ON THE DOCUMENTATION TO WHICH THIS IS ATTACHED READS AS FOLLOWS:

NAME OF NOTARY: Jerri Selway

DATE COMMISSION EXPIRES: Jan. 10, 2009

COMMISSION NUMBER: 1543226

COUNTY WHERE BONDED: Riverside County

PLACE OF EXECUTION: RIVERSIDE COUNTY, CALIFORNIA

DATE: October 20, 2005

FIDELITY NATIONAL TITLE
BUILDER SERVICES

# Appendix B
# Air Quality and Greenhouse Gas Assessment

260 E. Baker St. | Suite 200 | Costa Mesa, CA 92626 | (949) 660-1994
urbanxroads.com

December 17, 2018

Mr. Grant Becklund
30811 Garbani Road
Winchester, CA 92596

**SUBJECT: FORTERRA PIPE MANUFACTURING FACILITY FOCUSED AIR QUALITY AND GREENHOUSE GAS EVALUATION**

Dear Mr. Grant Becklund:

Urban Crossroads, Inc. is pleased to submit this Focused Air Quality and Greenhouse Gas Evaluation for the Forterra Pipe Manufacturing Facility development ("Project"), which is located at the northeast corner of Matthews Road and Palomar Road in the City of Menifee.

The Project site is currently occupied by the Forterra Pipe Manufacturing use which includes approximately 74,090 square feet of manufacturing use. The Project proposes to construct a new 16,500 square foot metal building to accommodate internal equipment with a weather tight roof and shed roof to provide sun and water protection for on-site activities. Three traveling cranes to assist in the assembly and movement of materials and concrete will be utilized. A precast concrete mixer will be installed under the shed roof along with sand and aggregate material bins and a concrete silo for the storage of raw cement. This concrete batching equipment will replace the delivery of ready-mix concrete from local suppliers and will provide a more efficient manufacturing process and better-quality control of the concrete used in the process. The proposed material storage bins and cement silo will be shielded by the new building from view from Matthews Road. A second 4,200 square foot metal building addition will be added to the existing 3,800 square feet metal storage building to provide weather proof storage of the materials and equipment installed in the water quality boxes. Both new buildings and equipment will be pre-painted to match the existing buildings and trim.

These products are currently being manufactured on-site on an open slab and Forterra would like to cover the manufacturing area with a roof and install fixed cranes to move the materials within the building. This operation will not add additional employees or traffic.

The existing facility includes forming, casting and outfitting concrete water quality vaults. The concrete used int eh process is currently being manufactured offsite by concrete ready-mix companies and delivered on an "as-needed" basis. The amount of concrete delivered over the past year has been 375 cubic yards (CY) per month. The quantity may increase slightly over time but is limited by the lengthy production process and limited work area and is estimated to increase by 50% to 562 CY per month in the future.

The raw materials are delivered by truck and stored in bins and a silo until needed. The cement silo is a

"closed" design tank with built-in dust capture/filtration system with no emissions. The concrete is then batched in a "closed loop" system that is self-contained and sealed. The mixed concrete is prepared in 2 CY batches which are loaded into an aerial bucket for delivery the the crane system to the steel forms used for casting the boxes. The time to produce 2 CY of concrete is 3 minutes and the maximum output from the proposed mixer is 48 CY per hour. The operational time of the mixing equipment to produce 375 CY would be 8 hours per month at present production levels and would increase to 12 hours at 562 CY per month.

The only emissions produced during this process would be during the "dry" portion of the delivery of sand and aggregate and the loading of this material into the bins. The balance of the mixing occurs in "closed loop" equipment and is a "wet" process. The total daily emissions are based on an approximate of 200% of the daily average which would result in a 100% increase of production over time. Attachment "B" includes a breakdown of the average and maximum daily CY that are anticipated in the process.

Necessary permits will be obtained from SCAQMD prior to operating. SCAQMD rules and regulations that are applicable to the Project include but are not limited to Regulation IV, and Regulation XI. Based on discussion with the applicant, the Project will apply for all necessary and applicable permits with SCAQMD.

## SUMMARY OF FINDINGS

The proposed Project would not exceed the applicable SCAQMD threshold for air quality and would not exceed the 3,000 MTCO2e threshold for greenhouse gases. As such, the proposed Project would not result in any significant impacts and no further mitigation is required.

## AIR QUALITY

### CONSTRUCTION EMISSIONS

Construction activities associated with the Project will result in emissions of CO, VOCs, NOx, SOx,PM10, and PM2.5. Construction related emissions are expected from demolition and building construction activities.

The duration of construction activity was based on information provided by the project applicant and are summarized on Table 1. The associated construction equipment was based on CalEEMod defaults. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per California Environmental Quality Act (CEQA) guidelines. Site specific construction fleet may vary due to specific project needs at the time of construction.

Based on discussion with the project applicant, a maximum of 20,700 square feet of pavement will be scraped (demolished) in order to allow for the construction of the new metal building. Additionally, no grading will be required, and no painting of the metal structures is anticipated.

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on CalEEMod defaults. Table 2 summarizes the anticipated construction equipment list.

**TABLE 1: CONSTRUCTION SCHEDULE**

| Phase Name | Start Date | End Date | Days |
|---|---|---|---|
| Demolition | 1/1/2019 | 1/14/2019 | 10 |
| Building Construction | 1/15/2019 | 3/25/2019 | 50 |

**TABLE 2: CONSTRUCTION EQUIPMENT**

| Activity | Equipment | Number | Hours Per Day |
|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8 |
| | Rubber Tired Dozers | 1 | 1 |
| | Tractors/Loaders/Backhoes | 2 | 6 |
| Building Construction | Cranes | 1 | 4 |
| | Forklifts | 2 | 6 |
| | Tractors/Loaders/Backhoes | 2 | 8 |

The estimated maximum daily construction emissions for the proposed Project are summarized on Table 3. Detailed construction model outputs are presented in Attachment "A".

**TABLE 3: PROPOSED PROJECT CONSTRUCTION EMISSIONS SUMMARY**

| Year | Emissions (pounds per day) | | | | | |
|---|---|---|---|---|---|---|
| | VOC | NOx | CO | SOx | PM10 | PM2.5 |
| **Maximum Daily Emissions** | **1.05** | **10.55** | **8.32** | **0.02** | **2.29** | **0.89** |
| SCAQMD Regional Threshold | 75 | 100 | 550 | 150 | 150 | 55 |
| **Threshold Exceeded?** | **NO** | **NO** | **NO** | **NO** | **NO** | **NO** |

## OPERATIONAL EMISSIONS

The proposed Project would not result in any additional employee or truck trips, the only additional emissions generated by the proposed Project, in addition to the emissions totals summarized in the previous Forterra Pipe Manufacturing Focused Air Quality and Greenhouse Gas Evaluation (Urban

Crossroads April 2017), would be additional PM10 and PM2.5 emissions associated with the concrete batching.

Additional PM10 and PM2.5 emissions would result from the following activities:

- Aggregate delivery to ground storage – 18.1 cubic yards (cy) day
- Sand Delivery to ground storage – 12.5 cy day
- Aggregate transfer to conveyor -18.1 cy day
- Sand transfer to conveyor -12.5 cy day
- Cement delivery to Silo – 7.5 cy day

The throughput levels above were determined to be maximum throughput levels based on our discussion with the applicant. The throughput is ultimately limited by the materials brought into the site that are used for limited production of concrete structures.

PM10 emissions have been calculated based on the United States (see Table 11.12-5 Plant Wide Emission Factors Per Yard of Truck Mix Concrete). Further Environmental Protection Agency's (USEPA's) Compilation of Emission Factors (AP-42) Section 11.12 *Concrete Batching*, there are no emissions associated with "truck mix loading" or "central mix loading" since the material is picked up by a crane and dropped into a bucket for production. Lastly, there is no baghouse proposed or needed for the anticipated operations of the Project.

**TABLE 4: EMISSIONS FROM CONCRETE BATCHING**

| Activity | PM10 (lb/CY) | CY/day | Total PM10/day |
|---|---|---|---|
| Aggregate delivery to ground storage | 0.0031 | 26 | 0.081 |
| Sand delivery to ground storage | 0.0007 | 18 | 0.013 |
| Aggregate transfer to conveyor | 0.0031 | 26 | 0.081 |
| Sand transfer to conveyor | 0.0007 | 18 | 0.013 |
| Cement delivery to Silo | 0.0001 | 11 | 0.0011 |
| | | **Total PM10** | **0.19** |

PM2.5 emissions have been calculated based on the CEIDARS PM2.5 fraction of PM10 published by the SCAQMD in their report *Final – Methodology to Calculate Particulate Matter (PM) 2.5 and PM 2.5 Significance Thresholds* (October 2006). As such, PM2.5 emissions would equal 67.4% of PM10 emissions calculated above, resulting in 0.13 pounds per day of PM2.5 emissions associated with the concrete batching.

Table 5 includes a summary of total emissions as summarized in the April 2017 assessment in addition to emissions associated with the proposed concrete batching operation. As shown, the proposed Project would result in emissions of VOC, NOx, CO, SOx, PM10, and PM2.5 that would not exceed the applicable SCAQMD thresholds. As such, no impacts would occur, and no mitigation is required.

**TABLE 5: OPERATIONAL EMISSIONS SUMMARY**

| Operational Activities | Emissions (pounds per day) | | | | | |
|---|---|---|---|---|---|---|
| | VOC | $NO_x$ | CO | $SO_x$ | $PM_{10}$ | $PM_{2.5}$ |
| April 2017 Air Quality Evaluation | 4.02 | 19.20 | 21.79 | 0.05 | 3.76 | 1.72 |
| Concrete Batching | -- | -- | -- | -- | 0.19 | 0.13 |
| **Total Maximum Daily Emissions** | **4.09** | **19.30** | **21.79** | **0.05** | **3.95** | **1.85** |
| SCAQMD Regional Threshold | 55 | 55 | 550 | 150 | 150 | 55 |
| **Threshold Exceeded?** | **NO** | **NO** | **NO** | **NO** | **NO** | **NO** |

**LOCALIZED IMPACTS**

The SCAQMD established Localized Significance Thresholds (LSTs) in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

For this Project, there are no sensitive land uses adjacent to the Project. In fact, the nearest residential communities are located more than ¼ mile (1,320 feet) from the Project site. As such, no impacts to sensitive receptors would occur from short-term project construction or on-going project operations.

**AIR QUALITY MANAGEMENT PLANNING**

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the Basin. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In March 2017, the AQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing

incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (27).

The 2016 AQMP was based on assumptions provided by both CARB and SCAG in the latest available EMFAC model for the most recent motor vehicle and demographics information, respectively. The air quality levels projected in the 2016 AQMP are based on several assumptions. For example, the 2016 AQMP has assumed that development associated with general plans, specific plans, residential projects, and wastewater facilities will be constructed in accordance with population growth projections identified by SCAG in its 2016 RTP. The 2016 AQMP also has assumed that such development projects will implement strategies to reduce emissions generated during the construction and operational phases of development.

Criteria for determining consistency with the 2016 AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (28). These indicators are discussed below:

- Consistency Criterion No. 1: The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

**CONSTRUCTION IMPACTS**

The analysis above demonstrates that, Project construction-source emissions would not exceed the applicable regional significance thresholds for any criteria pollutant. Therefore, the Project would not have the potential to result in or cause violations of the CAAQS and NAAQS.

**OPERATIONAL IMPACTS**

The analysis above demonstrates that, Project operational-source emissions would not exceed the applicable regional significance thresholds for any criteria pollutant. Therefore, the Project would not have the potential to result in or cause violations of the CAAQS and NAAQS.

On the basis of the preceding discussion, the Project would not conflict with the first criterion.

- Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

**OVERVIEW**

The 2016 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the Southern California Association of Governments (SCAG), which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in County of Riverside General Plan is considered to be consistent with the AQMP.

### CONSTRUCTION IMPACTS

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. Thus, construction emissions from the Project would be consistent with the 2016 AQMP assumptions for construction activities throughout the SCAB.

### OPERATIONAL IMPACTS

The Project's intended use is similar to the historic use of the site and consistent with applicable land use designations. No substantive change to the existing land use will occur.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

### AQMP CONSISTENCY CONCLUSION

The Project would not have the potential to result in or cause NAAQS or CAAQS violations. The Project's development intensity is consistent with than the development intensities allowed within the General Plan. The Project is therefore consistent with the AQMP and a potential conflict would not occur.

## GREENHOUSE GAS EMISSIONS

### CONSTRUCTION AND OPERATIONAL EMISSIONS

The proposed concrete batching activity would not result in any substantive emissions increases than what was previously evaluated in the previous Forterra Pipe Manufacturing Focused Air Quality and Greenhouse Gas Evaluation (Urban Crossroads April 2017). The only additional GHG emissions would be a result of short-term construction activity associated with the proposed concrete batching operation.

The annual GHG emissions associated with the construction and operation of the proposed Project are estimated to be 1,144.08 MTCO2e per year as summarized in Table 6. Detailed construction model outputs are presented in Attachment "A". The proposed Project would not exceed the 3,000 MTCO2e threshold. As such, the proposed Project would result in a less than significant impact with respect to GHG emissions.

**TABLE 6: OPERATIONAL GREENHOUSE GAS EMISSIONS SUMMARY (ANNUAL)**

| Emission Source | Emissions (metric tons per year) (CO2e) |
|---|---|
| **April 2017 Greenhouse Gas Assessment** | **1,142.80** |
| **Proposed construction-related emissions amortized (30 years)** | **1.28** |
| **Total $CO_2E$ (All Sources)** | **1,144.08** |

Additionally, the proposed concrete batching operation would not hinder or conflict with any of the Scoping Plan Consistency findings presented previously in the Forterra Pipe Manufacturing Focused Air Quality and Greenhouse Gas Evaluation (Urban Crossroads April 2017).

If you have any questions, please contact me directly at (949) 336-5987.

Respectfully submitted,

URBAN CROSSROADS, INC.

Haseeb Qureshi,
Senior Associate

**ATTACHMENT "A"**

# Forterra Pipe Construction

**Riverside-South Coast County, Annual**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Manufacturing | 20.70 | 1000sqft | 0.48 | 20,700.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.4 | **Precipitation Freq (Days)** | 28 |
| **Climate Zone** | 10 | | | **Operational Year** | 2019 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Forterra Pipe Construction - Riverside-South Coast County, Annual

Project Characteristics -

Land Use -

Construction Phase - Project Construction Schedule is approximately 60 days per applicant.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Project Construction Only

Consumer Products - Project Construction Only

Area Coating - Project Construction Only

Landscape Equipment - Project Construction Only

Energy Use - Project Construction Only

Water And Wastewater - Project Construction Only

Solid Waste - Project Construction Only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaCoating | Area_Nonresidential_Exterior | 10350 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 31050 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstructionPhase | NumDays | 100.00 | 50.00 |
| tblConstructionPhase | PhaseEndDate | 6/3/2019 | 3/25/2019 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.06 |
| tblFleetMix | LDA | 0.53 | 0.52 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT2 | 0.18 | 0.18 |
| tblFleetMix | LHD1 | 0.02 | 0.02 |
| tblFleetMix | LHD2 | 5.5610e-003 | 6.0900e-003 |
| tblFleetMix | MCY | 4.6770e-003 | 4.7890e-003 |
| tblFleetMix | MDV | 0.13 | 0.14 |
| tblFleetMix | MH | 1.2110e-003 | 1.4230e-003 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.3450e-003 | 1.3020e-003 |
| tblFleetMix | SBUS | 9.7400e-004 | 1.0050e-003 |
| tblFleetMix | UBUS | 1.2470e-003 | 1.3190e-003 |
| tblSolidWaste | SolidWasteGenerationRate | 25.67 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 94.00 | 74.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblWater | IndoorWaterUseRate | 4,786,875.00 | 0.00 |

## 2.0 Emissions Summary

## 2.1 Overall Construction

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2019 | 0.0305 | 0.3079 | 0.2404 | 4.2000e-004 | 0.0144 | 0.0179 | 0.0323 | 2.6700e-003 | 0.0166 | 0.0193 | 0.0000 | 38.0142 | 38.0142 | 9.5000e-003 | 0.0000 | 38.2517 |
| **Maximum** | **0.0305** | **0.3079** | **0.2404** | **4.2000e-004** | **0.0144** | **0.0179** | **0.0323** | **2.6700e-003** | **0.0166** | **0.0193** | **0.0000** | **38.0142** | **38.0142** | **9.5000e-003** | **0.0000** | **38.2517** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2019 | 0.0305 | 0.3079 | 0.2404 | 4.2000e-004 | 0.0144 | 0.0179 | 0.0323 | 2.6700e-003 | 0.0166 | 0.0193 | 0.0000 | 38.0142 | 38.0142 | 9.5000e-003 | 0.0000 | 38.2517 |
| **Maximum** | **0.0305** | **0.3079** | **0.2404** | **4.2000e-004** | **0.0144** | **0.0179** | **0.0323** | **2.6700e-003** | **0.0166** | **0.0193** | **0.0000** | **38.0142** | **38.0142** | **9.5000e-003** | **0.0000** | **38.2517** |

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

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---|---|---|---|---|
| 1 | 1-1-2019 | 3-31-2019 | 0.3382 | 0.3382 |
| | | Highest | 0.3382 | 0.3382 |

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0748 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.5000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0748** | **0.0000** | **2.7000e-004** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **5.1000e-004** | **5.1000e-004** | **0.0000** | **0.0000** | **5.5000e-004** |

## 2.2 Overall Operational

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0748 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.5000e-004 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | **0.0748** | **0.0000** | **2.7000e-004** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **5.1000e-004** | **5.1000e-004** | **0.0000** | **0.0000** | **5.5000e-004** |

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

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2019 | 1/14/2019 | 5 | 10 | |
| 2 | Building Construction | Building Construction | 1/15/2019 | 3/25/2019 | 5 | 50 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

**Trips and VMT**

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 4 | 10.00 | 0.00 | 74.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 9.00 | 3.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0103 | 0.0000 | 0.0103 | 1.5500e-003 | 0.0000 | 1.5500e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.7700e-003 | 0.0430 | 0.0385 | 6.0000e-005 | | 2.6900e-003 | 2.6900e-003 | | 2.5600e-003 | 2.5600e-003 | 0.0000 | 5.2601 | 5.2601 | 1.0000e-003 | 0.0000 | 5.2852 |
| **Total** | **4.7700e-003** | **0.0430** | **0.0385** | **6.0000e-005** | **0.0103** | **2.6900e-003** | **0.0129** | **1.5500e-003** | **2.5600e-003** | **4.1100e-003** | **0.0000** | **5.2601** | **5.2601** | **1.0000e-003** | **0.0000** | **5.2852** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.1000e-004 | 9.6900e-003 | 1.2200e-003 | 3.0000e-005 | 6.4000e-004 | 3.0000e-005 | 6.7000e-004 | 1.8000e-004 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 2.7104 | 2.7104 | 1.8000e-004 | 0.0000 | 2.7149 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.5000e-004 | 1.8000e-004 | 1.9000e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4748 | 0.4748 | 1.0000e-005 | 0.0000 | 0.4751 |
| **Total** | **4.6000e-004** | **9.8700e-003** | **3.1200e-003** | **4.0000e-005** | **1.1900e-003** | **3.0000e-005** | **1.2200e-003** | **3.3000e-004** | **3.0000e-005** | **3.6000e-004** | **0.0000** | **3.1852** | **3.1852** | **1.9000e-004** | **0.0000** | **3.1900** |

## 3.2 Demolition - 2019

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0103 | 0.0000 | 0.0103 | 1.5500e-003 | 0.0000 | 1.5500e-003 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 4.7700e-003 | 0.0430 | 0.0385 | 6.0000e-005 | | 2.6900e-003 | 2.6900e-003 | | 2.5600e-003 | 2.5600e-003 | 0.0000 | 5.2601 | 5.2601 | 1.0000e-003 | 0.0000 | 5.2852 |
| **Total** | **4.7700e-003** | **0.0430** | **0.0385** | **6.0000e-005** | **0.0103** | **2.6900e-003** | **0.0129** | **1.5500e-003** | **2.5600e-003** | **4.1100e-003** | **0.0000** | **5.2601** | **5.2601** | **1.0000e-003** | **0.0000** | **5.2852** |

### Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 2.1000e-004 | 9.6900e-003 | 1.2200e-003 | 3.0000e-005 | 6.4000e-004 | 3.0000e-005 | 6.7000e-004 | 1.8000e-004 | 3.0000e-005 | 2.1000e-004 | 0.0000 | 2.7104 | 2.7104 | 1.8000e-004 | 0.0000 | 2.7149 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 2.5000e-004 | 1.8000e-004 | 1.9000e-003 | 1.0000e-005 | 5.5000e-004 | 0.0000 | 5.5000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4748 | 0.4748 | 1.0000e-005 | 0.0000 | 0.4751 |
| **Total** | **4.6000e-004** | **9.8700e-003** | **3.1200e-003** | **4.0000e-005** | **1.1900e-003** | **3.0000e-005** | **1.2200e-003** | **3.3000e-004** | **3.0000e-005** | **3.6000e-004** | **0.0000** | **3.1852** | **3.1852** | **1.9000e-004** | **0.0000** | **3.1900** |

## 3.3 Building Construction - 2019

### Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0239 | 0.2455 | 0.1886 | 2.8000e-004 | | 0.0151 | 0.0151 | | 0.0139 | 0.0139 | 0.0000 | 25.5751 | 25.5751 | 8.0900e-003 | 0.0000 | 25.7774 |
| **Total** | **0.0239** | **0.2455** | **0.1886** | **2.8000e-004** | | **0.0151** | **0.0151** | | **0.0139** | **0.0139** | **0.0000** | **25.5751** | **25.5751** | **8.0900e-003** | **0.0000** | **25.7774** |

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.5000e-004 | 8.6600e-003 | 1.7200e-003 | 2.0000e-005 | 4.7000e-004 | 7.0000e-005 | 5.4000e-004 | 1.4000e-004 | 6.0000e-005 | 2.0000e-004 | 0.0000 | 1.8571 | 1.8571 | 1.6000e-004 | 0.0000 | 1.8611 |
| Worker | 1.1200e-003 | 8.1000e-004 | 8.5400e-003 | 2.0000e-005 | 2.4700e-003 | 2.0000e-005 | 2.4900e-003 | 6.6000e-004 | 1.0000e-005 | 6.7000e-004 | 0.0000 | 2.1366 | 2.1366 | 6.0000e-005 | 0.0000 | 2.1381 |
| **Total** | **1.3700e-003** | **9.4700e-003** | **0.0103** | **4.0000e-005** | **2.9400e-003** | **9.0000e-005** | **3.0300e-003** | **8.0000e-004** | **7.0000e-005** | **8.7000e-004** | **0.0000** | **3.9937** | **3.9937** | **2.2000e-004** | **0.0000** | **3.9992** |

## 3.3 Building Construction - 2019

**Mitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.0239 | 0.2455 | 0.1886 | 2.8000e-004 | | 0.0151 | 0.0151 | | 0.0139 | 0.0139 | 0.0000 | 25.5751 | 25.5751 | 8.0900e-003 | 0.0000 | 25.7774 |
| **Total** | **0.0239** | **0.2455** | **0.1886** | **2.8000e-004** | | **0.0151** | **0.0151** | | **0.0139** | **0.0139** | **0.0000** | **25.5751** | **25.5751** | **8.0900e-003** | **0.0000** | **25.7774** |

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 2.5000e-004 | 8.6600e-003 | 1.7200e-003 | 2.0000e-005 | 4.7000e-004 | 7.0000e-005 | 5.4000e-004 | 1.4000e-004 | 6.0000e-005 | 2.0000e-004 | 0.0000 | 1.8571 | 1.8571 | 1.6000e-004 | 0.0000 | 1.8611 |
| Worker | 1.1200e-003 | 8.1000e-004 | 8.5400e-003 | 2.0000e-005 | 2.4700e-003 | 2.0000e-005 | 2.4900e-003 | 6.6000e-004 | 1.0000e-005 | 6.7000e-004 | 0.0000 | 2.1366 | 2.1366 | 6.0000e-005 | 0.0000 | 2.1381 |
| **Total** | **1.3700e-003** | **9.4700e-003** | **0.0103** | **4.0000e-005** | **2.9400e-003** | **9.0000e-005** | **3.0300e-003** | **8.0000e-004** | **7.0000e-005** | **8.7000e-004** | **0.0000** | **3.9937** | **3.9937** | **2.2000e-004** | **0.0000** | **3.9992** |

## 4.0 Operational Detail - Mobile

## 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

## 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Manufacturing | 16.60 | 8.40 | 6.90 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

## 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 0.521578 | 0.042164 | 0.182086 | 0.135672 | 0.021681 | 0.006090 | 0.016612 | 0.064279 | 0.001302 | 0.001319 | 0.004789 | 0.001005 | 0.001423 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.3 Energy by Land Use - Electricity

**Unmitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | kWh/yr | MT/yr | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.0748 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.5000e-004 |
| Unmitigated | 0.0748 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.5000e-004 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0748 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.5000e-004 |
| **Total** | **0.0748** | **0.0000** | **2.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **5.1000e-004** | **5.1000e-004** | **0.0000** | **0.0000** | **5.5000e-004** |

### 6.2 Area by SubCategory

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0748 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 3.0000e-005 | 0.0000 | 2.7000e-004 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 5.1000e-004 | 5.1000e-004 | 0.0000 | 0.0000 | 5.5000e-004 |
| **Total** | **0.0748** | **0.0000** | **2.7000e-004** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **5.1000e-004** | **5.1000e-004** | **0.0000** | **0.0000** | **5.5000e-004** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 7.2 Water by Land Use

**Unmitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 7.2 Water by Land Use

**Mitigated**

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | Mgal | MT/yr | | | |
| Manufacturing | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

**Category/Year**

| | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|
| | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 8.2 Waste by Land Use

**Unmitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

**Mitigated**

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|
| Land Use | tons | MT/yr | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

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

### Boilers

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

### User Defined Equipment

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Forterra Pipe Construction

**Riverside-South Coast County, Summer**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Manufacturing | 20.70 | 1000sqft | 0.48 | 20,700.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.4 | **Precipitation Freq (Days)** | 28 |
| **Climate Zone** | 10 | | | **Operational Year** | 2019 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Forterra Pipe Construction - Riverside-South Coast County, Summer

Project Characteristics -

Land Use -

Construction Phase - Project Construction Schedule is approximately 60 days per applicant.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Project Construction Only

Consumer Products - Project Construction Only

Area Coating - Project Construction Only

Landscape Equipment - Project Construction Only

Energy Use - Project Construction Only

Water And Wastewater - Project Construction Only

Solid Waste - Project Construction Only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaCoating | Area_Nonresidential_Exterior | 10350 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 31050 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstructionPhase | NumDays | 100.00 | 50.00 |
| tblConstructionPhase | PhaseEndDate | 6/3/2019 | 3/25/2019 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.06 |
| tblFleetMix | LDA | 0.53 | 0.52 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT2 | 0.18 | 0.18 |
| tblFleetMix | LHD1 | 0.02 | 0.02 |
| tblFleetMix | LHD2 | 5.5610e-003 | 6.0900e-003 |
| tblFleetMix | MCY | 4.6770e-003 | 4.7890e-003 |
| tblFleetMix | MDV | 0.13 | 0.14 |
| tblFleetMix | MH | 1.2110e-003 | 1.4230e-003 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.3450e-003 | 1.3020e-003 |
| tblFleetMix | SBUS | 9.7400e-004 | 1.0050e-003 |
| tblFleetMix | UBUS | 1.2470e-003 | 1.3190e-003 |
| tblSolidWaste | SolidWasteGenerationRate | 25.67 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 94.00 | 74.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblWater | IndoorWaterUseRate | 4,786,875.00 | 0.00 |

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2019 | 1.0497 | 10.5281 | 8.3633 | 0.0188 | 2.2914 | 0.6086 | 2.8360 | 0.3756 | 0.5600 | 0.8952 | 0.0000 | 1,877.2432 | 1,877.2432 | 0.3663 | 0.0000 | 1,883.7883 |
| **Maximum** | **1.0497** | **10.5281** | **8.3633** | **0.0188** | **2.2914** | **0.6086** | **2.8360** | **0.3756** | **0.5600** | **0.8952** | **0.0000** | **1,877.2432** | **1,877.2432** | **0.3663** | **0.0000** | **1,883.7883** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2019 | 1.0497 | 10.5281 | 8.3633 | 0.0188 | 2.2914 | 0.6086 | 2.8360 | 0.3756 | 0.5600 | 0.8952 | 0.0000 | 1,877.2432 | 1,877.2432 | 0.3663 | 0.0000 | 1,883.7883 |
| **Maximum** | **1.0497** | **10.5281** | **8.3633** | **0.0188** | **2.2914** | **0.6086** | **2.8360** | **0.3756** | **0.5600** | **0.8952** | **0.0000** | **1,877.2432** | **1,877.2432** | **0.3663** | **0.0000** | **1,883.7883** |

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

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | **0.0000** | **1.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | **0.0000** | **4.8400e-003** |

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | **0.0000** | **1.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | **0.0000** | **4.8400e-003** |

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

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2019 | 1/14/2019 | 5 | 10 | |
| 2 | Building Construction | Building Construction | 1/15/2019 | 3/25/2019 | 5 | 50 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

### Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 4 | 10.00 | 0.00 | 74.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 9.00 | 3.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0502 | 0.0000 | 2.0502 | 0.3104 | 0.0000 | 0.3104 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| **Total** | **0.9530** | **8.6039** | **7.6917** | **0.0120** | **2.0502** | **0.5371** | **2.5873** | **0.3104** | **0.5125** | **0.8229** | | **1,159.6570** | **1,159.6570** | **0.2211** | | **1,165.1847** |

## 3.2 Demolition - 2019

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0416 | 1.8904 | 0.2273 | 5.6900e-003 | 0.1295 | 6.8300e-003 | 0.1363 | 0.0355 | 6.5400e-003 | 0.0420 | | 603.8339 | 603.8339 | 0.0375 | | 604.7718 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0551 | 0.0338 | 0.4443 | 1.1400e-003 | 0.1118 | 6.9000e-004 | 0.1125 | 0.0296 | 6.4000e-004 | 0.0303 | | 113.7522 | 113.7522 | 3.1800e-003 | | 113.8319 |
| **Total** | **0.0966** | **1.9242** | **0.6716** | **6.8300e-003** | **0.2413** | **7.5200e-003** | **0.2488** | **0.0651** | **7.1800e-003** | **0.0723** | | **717.5861** | **717.5861** | **0.0407** | | **718.6036** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0502 | 0.0000 | 2.0502 | 0.3104 | 0.0000 | 0.3104 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | 0.0000 | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| **Total** | **0.9530** | **8.6039** | **7.6917** | **0.0120** | **2.0502** | **0.5371** | **2.5873** | **0.3104** | **0.5125** | **0.8229** | **0.0000** | **1,159.6570** | **1,159.6570** | **0.2211** | | **1,165.1847** |

## 3.2 Demolition - 2019

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0416 | 1.8904 | 0.2273 | 5.6900e-003 | 0.1295 | 6.8300e-003 | 0.1363 | 0.0355 | 6.5400e-003 | 0.0420 | | 603.8339 | 603.8339 | 0.0375 | | 604.7718 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0551 | 0.0338 | 0.4443 | 1.1400e-003 | 0.1118 | 6.9000e-004 | 0.1125 | 0.0296 | 6.4000e-004 | 0.0303 | | 113.7522 | 113.7522 | 3.1800e-003 | | 113.8319 |
| **Total** | **0.0966** | **1.9242** | **0.6716** | **6.8300e-003** | **0.2413** | **7.5200e-003** | **0.2488** | **0.0651** | **7.1800e-003** | **0.0723** | | **717.5861** | **717.5861** | **0.0407** | | **718.6036** |

## 3.3 Building Construction - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |
| **Total** | **0.9576** | **9.8207** | **7.5432** | **0.0114** | | **0.6054** | **0.6054** | | **0.5569** | **0.5569** | | **1,127.6696** | **1,127.6696** | **0.3568** | | **1,136.5892** |

## 3.3 Building Construction - 2019

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 9.9900e-003 | 0.3415 | 0.0640 | 7.9000e-004 | 0.0192 | 2.5900e-003 | 0.0218 | 5.5300e-003 | 2.4800e-003 | 8.0100e-003 | | 83.1908 | 83.1908 | 6.6600e-003 | | 83.3572 |
| Worker | 0.0496 | 0.0304 | 0.3998 | 1.0300e-003 | 0.1006 | 6.2000e-004 | 0.1012 | 0.0267 | 5.7000e-004 | 0.0273 | | 102.3770 | 102.3770 | 2.8700e-003 | | 102.4487 |
| **Total** | **0.0595** | **0.3719** | **0.4638** | **1.8200e-003** | **0.1198** | **3.2100e-003** | **0.1230** | **0.0322** | **3.0500e-003** | **0.0353** | | **185.5678** | **185.5678** | **9.5300e-003** | | **185.8059** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | 0.0000 | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |
| **Total** | **0.9576** | **9.8207** | **7.5432** | **0.0114** | | **0.6054** | **0.6054** | | **0.5569** | **0.5569** | **0.0000** | **1,127.6696** | **1,127.6696** | **0.3568** | | **1,136.5892** |

### 3.3 Building Construction - 2019

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 9.9900e-003 | 0.3415 | 0.0640 | 7.9000e-004 | 0.0192 | 2.5900e-003 | 0.0218 | 5.5300e-003 | 2.4800e-003 | 8.0100e-003 | | 83.1908 | 83.1908 | 6.6600e-003 | | 83.3572 |
| Worker | 0.0496 | 0.0304 | 0.3998 | 1.0300e-003 | 0.1006 | 6.2000e-004 | 0.1012 | 0.0267 | 5.7000e-004 | 0.0273 | | 102.3770 | 102.3770 | 2.8700e-003 | | 102.4487 |
| **Total** | **0.0595** | **0.3719** | **0.4638** | **1.8200e-003** | **0.1198** | **3.2100e-003** | **0.1230** | **0.0322** | **3.0500e-003** | **0.0353** | | **185.5678** | **185.5678** | **9.5300e-003** | | **185.8059** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Manufacturing | 16.60 | 8.40 | 6.90 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 0.521578 | 0.042164 | 0.182086 | 0.135672 | 0.021681 | 0.006090 | 0.016612 | 0.064279 | 0.001302 | 0.001319 | 0.004789 | 0.001005 | 0.001423 |

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

### 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| Unmitigated | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4099 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | | **4.8400e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4099 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | | **4.8400e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

# Forterra Pipe Construction

**Riverside-South Coast County, Winter**

## 1.0 Project Characteristics

### 1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|---|---|---|---|---|---|
| Manufacturing | 20.70 | 1000sqft | 0.48 | 20,700.00 | 0 |

### 1.2 Other Project Characteristics

| | | | | | |
|---|---|---|---|---|---|
| **Urbanization** | Urban | **Wind Speed (m/s)** | 2.4 | **Precipitation Freq (Days)** | 28 |
| **Climate Zone** | 10 | | | **Operational Year** | 2019 |
| **Utility Company** | Southern California Edison | | | | |
| **CO2 Intensity (lb/MWhr)** | 702.44 | **CH4 Intensity (lb/MWhr)** | 0.029 | **N2O Intensity (lb/MWhr)** | 0.006 |

### 1.3 User Entered Comments & Non-Default Data

Forterra Pipe Construction - Riverside-South Coast County, Winter

Project Characteristics -

Land Use -

Construction Phase - Project Construction Schedule is approximately 60 days per applicant.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Vehicle Trips - Project Construction Only

Consumer Products - Project Construction Only

Area Coating - Project Construction Only

Landscape Equipment - Project Construction Only

Energy Use - Project Construction Only

Water And Wastewater - Project Construction Only

Solid Waste - Project Construction Only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

| Table Name | Column Name | Default Value | New Value |
|---|---|---|---|
| tblAreaCoating | Area_Nonresidential_Exterior | 10350 | 0 |
| tblAreaCoating | Area_Nonresidential_Interior | 31050 | 0 |
| tblAreaCoating | ReapplicationRatePercent | 10 | 0 |
| tblConstructionPhase | NumDays | 100.00 | 50.00 |
| tblConstructionPhase | PhaseEndDate | 6/3/2019 | 3/25/2019 |
| tblEnergyUse | LightingElect | 2.93 | 0.00 |
| tblEnergyUse | NT24E | 5.02 | 0.00 |

| | | | |
|---|---|---|---|
| tblEnergyUse | NT24NG | 17.13 | 0.00 |
| tblEnergyUse | T24E | 2.20 | 0.00 |
| tblEnergyUse | T24NG | 15.36 | 0.00 |
| tblFleetMix | HHD | 0.07 | 0.06 |
| tblFleetMix | LDA | 0.53 | 0.52 |
| tblFleetMix | LDT1 | 0.04 | 0.04 |
| tblFleetMix | LDT2 | 0.18 | 0.18 |
| tblFleetMix | LHD1 | 0.02 | 0.02 |
| tblFleetMix | LHD2 | 5.5610e-003 | 6.0900e-003 |
| tblFleetMix | MCY | 4.6770e-003 | 4.7890e-003 |
| tblFleetMix | MDV | 0.13 | 0.14 |
| tblFleetMix | MH | 1.2110e-003 | 1.4230e-003 |
| tblFleetMix | MHD | 0.02 | 0.02 |
| tblFleetMix | OBUS | 1.3450e-003 | 1.3020e-003 |
| tblFleetMix | SBUS | 9.7400e-004 | 1.0050e-003 |
| tblFleetMix | UBUS | 1.2470e-003 | 1.3190e-003 |
| tblSolidWaste | SolidWasteGenerationRate | 25.67 | 0.00 |
| tblTripsAndVMT | HaulingTripNumber | 94.00 | 74.00 |
| tblVehicleTrips | ST_TR | 1.49 | 0.00 |
| tblVehicleTrips | SU_TR | 0.62 | 0.00 |
| tblVehicleTrips | WD_TR | 3.82 | 0.00 |
| tblWater | IndoorWaterUseRate | 4,786,875.00 | 0.00 |

## 2.0 Emissions Summary

## 2.1 Overall Construction (Maximum Daily Emission)

### Unmitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2019 | 1.0505 | 10.5483 | 8.3190 | 0.0186 | 2.2914 | 0.6086 | 2.8362 | 0.3756 | 0.5600 | 0.8953 | 0.0000 | 1,850.5683 | 1,850.5683 | 0.3667 | 0.0000 | 1,857.1921 |
| **Maximum** | **1.0505** | **10.5483** | **8.3190** | **0.0186** | **2.2914** | **0.6086** | **2.8362** | **0.3756** | **0.5600** | **0.8953** | **0.0000** | **1,850.5683** | **1,850.5683** | **0.3667** | **0.0000** | **1,857.1921** |

### Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | lb/day | | | | | | | | | | lb/day | | | | | |
| 2019 | 1.0505 | 10.5483 | 8.3190 | 0.0186 | 2.2914 | 0.6086 | 2.8362 | 0.3756 | 0.5600 | 0.8953 | 0.0000 | 1,850.5683 | 1,850.5683 | 0.3667 | 0.0000 | 1,857.1921 |
| **Maximum** | **1.0505** | **10.5483** | **8.3190** | **0.0186** | **2.2914** | **0.6086** | **2.8362** | **0.3756** | **0.5600** | **0.8953** | **0.0000** | **1,850.5683** | **1,850.5683** | **0.3667** | **0.0000** | **1,857.1921** |

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

## 2.2 Overall Operational

### Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | **0.0000** | **1.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | **0.0000** | **4.8400e-003** |

### Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Area | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | **0.0000** | **1.0000e-005** | **1.0000e-005** | **0.0000** | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | **0.0000** | **4.8400e-003** |

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

## 3.0 Construction Detail

### Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|---|---|---|---|---|---|---|---|
| 1 | Demolition | Demolition | 1/1/2019 | 1/14/2019 | 5 | 10 | |
| 2 | Building Construction | Building Construction | 1/15/2019 | 3/25/2019 | 5 | 50 | |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

### OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|---|---|---|---|---|---|
| Demolition | Concrete/Industrial Saws | 1 | 8.00 | 81 | 0.73 |
| Demolition | Rubber Tired Dozers | 1 | 1.00 | 247 | 0.40 |
| Demolition | Tractors/Loaders/Backhoes | 2 | 6.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 4.00 | 231 | 0.29 |
| Building Construction | Forklifts | 2 | 6.00 | 89 | 0.20 |
| Building Construction | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |

### Trips and VMT

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|---|---|---|---|---|---|---|---|---|---|---|
| Demolition | 4 | 10.00 | 0.00 | 74.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 5 | 9.00 | 3.00 | 0.00 | 14.70 | 6.90 | 20.00 | LD_Mix | HDT_Mix | HHDT |

## 3.1 Mitigation Measures Construction

## 3.2 Demolition - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0502 | 0.0000 | 2.0502 | 0.3104 | 0.0000 | 0.3104 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| **Total** | **0.9530** | **8.6039** | **7.6917** | **0.0120** | **2.0502** | **0.5371** | **2.5873** | **0.3104** | **0.5125** | **0.8229** | | **1,159.6570** | **1,159.6570** | **0.2211** | | **1,165.1847** |

## 3.2 Demolition - 2019

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0437 | 1.9095 | 0.2673 | 5.5500e-003 | 0.1295 | 6.9500e-003 | 0.1364 | 0.0355 | 6.6500e-003 | 0.0421 | | 588.8596 | 588.8596 | 0.0411 | | 589.8865 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0538 | 0.0350 | 0.3601 | 1.0200e-003 | 0.1118 | 6.9000e-004 | 0.1125 | 0.0296 | 6.4000e-004 | 0.0303 | | 102.0517 | 102.0517 | 2.7700e-003 | | 102.1209 |
| **Total** | **0.0975** | **1.9444** | **0.6273** | **6.5700e-003** | **0.2413** | **7.6400e-003** | **0.2489** | **0.0651** | **7.2900e-003** | **0.0724** | | **690.9113** | **690.9113** | **0.0439** | | **692.0075** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Fugitive Dust | | | | | 2.0502 | 0.0000 | 2.0502 | 0.3104 | 0.0000 | 0.3104 | | | 0.0000 | | | 0.0000 |
| Off-Road | 0.9530 | 8.6039 | 7.6917 | 0.0120 | | 0.5371 | 0.5371 | | 0.5125 | 0.5125 | 0.0000 | 1,159.6570 | 1,159.6570 | 0.2211 | | 1,165.1847 |
| **Total** | **0.9530** | **8.6039** | **7.6917** | **0.0120** | **2.0502** | **0.5371** | **2.5873** | **0.3104** | **0.5125** | **0.8229** | **0.0000** | **1,159.6570** | **1,159.6570** | **0.2211** | | **1,165.1847** |

## 3.2 Demolition - 2019

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0437 | 1.9095 | 0.2673 | 5.5500e-003 | 0.1295 | 6.9500e-003 | 0.1364 | 0.0355 | 6.6500e-003 | 0.0421 | | 588.8596 | 588.8596 | 0.0411 | | 589.8865 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Worker | 0.0538 | 0.0350 | 0.3601 | 1.0200e-003 | 0.1118 | 6.9000e-004 | 0.1125 | 0.0296 | 6.4000e-004 | 0.0303 | | 102.0517 | 102.0517 | 2.7700e-003 | | 102.1209 |
| **Total** | **0.0975** | **1.9444** | **0.6273** | **6.5700e-003** | **0.2413** | **7.6400e-003** | **0.2489** | **0.0651** | **7.2900e-003** | **0.0724** | | **690.9113** | **690.9113** | **0.0439** | | **692.0075** |

## 3.3 Building Construction - 2019

**Unmitigated Construction On-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |
| **Total** | **0.9576** | **9.8207** | **7.5432** | **0.0114** | | **0.6054** | **0.6054** | | **0.5569** | **0.5569** | | **1,127.6696** | **1,127.6696** | **0.3568** | | **1,136.5892** |

## 3.3 Building Construction - 2019

### Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0105 | 0.3407 | 0.0744 | 7.6000e-004 | 0.0192 | 2.6300e-003 | 0.0218 | 5.5300e-003 | 2.5100e-003 | 8.0400e-003 | | 80.0816 | 80.0816 | 7.3900e-003 | | 80.2665 |
| Worker | 0.0484 | 0.0315 | 0.3241 | 9.2000e-004 | 0.1006 | 6.2000e-004 | 0.1012 | 0.0267 | 5.7000e-004 | 0.0273 | | 91.8465 | 91.8465 | 2.4900e-003 | | 91.9089 |
| **Total** | **0.0589** | **0.3722** | **0.3985** | **1.6800e-003** | **0.1198** | **3.2500e-003** | **0.1231** | **0.0322** | **3.0800e-003** | **0.0353** | | **171.9281** | **171.9281** | **9.8800e-003** | | **172.1753** |

### Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Off-Road | 0.9576 | 9.8207 | 7.5432 | 0.0114 | | 0.6054 | 0.6054 | | 0.5569 | 0.5569 | 0.0000 | 1,127.6696 | 1,127.6696 | 0.3568 | | 1,136.5892 |
| **Total** | **0.9576** | **9.8207** | **7.5432** | **0.0114** | | **0.6054** | **0.6054** | | **0.5569** | **0.5569** | **0.0000** | **1,127.6696** | **1,127.6696** | **0.3568** | | **1,136.5892** |

### 3.3 Building Construction - 2019

**Mitigated Construction Off-Site**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Vendor | 0.0105 | 0.3407 | 0.0744 | 7.6000e-004 | 0.0192 | 2.6300e-003 | 0.0218 | 5.5300e-003 | 2.5100e-003 | 8.0400e-003 | | 80.0816 | 80.0816 | 7.3900e-003 | | 80.2665 |
| Worker | 0.0484 | 0.0315 | 0.3241 | 9.2000e-004 | 0.1006 | 6.2000e-004 | 0.1012 | 0.0267 | 5.7000e-004 | 0.0273 | | 91.8465 | 91.8465 | 2.4900e-003 | | 91.9089 |
| **Total** | **0.0589** | **0.3722** | **0.3985** | **1.6800e-003** | **0.1198** | **3.2500e-003** | **0.1231** | **0.0322** | **3.0800e-003** | **0.0353** | | **171.9281** | **171.9281** | **9.8800e-003** | | **172.1753** |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | | 0.0000 |

### 4.2 Trip Summary Information

| | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|---|---|---|---|---|---|
| Land Use | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| Manufacturing | 0.00 | 0.00 | 0.00 | | |
| Total | 0.00 | 0.00 | 0.00 | | |

### 4.3 Trip Type Information

| | Miles | | | Trip % | | | Trip Purpose % | | |
|---|---|---|---|---|---|---|---|---|---|
| Land Use | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| Manufacturing | 16.60 | 8.40 | 6.90 | 59.00 | 28.00 | 13.00 | 92 | 5 | 3 |

### 4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manufacturing | 0.521578 | 0.042164 | 0.182086 | 0.135672 | 0.021681 | 0.006090 | 0.016612 | 0.064279 | 0.001302 | 0.001319 | 0.004789 | 0.001005 | 0.001423 |

## 5.0 Energy Detail

Historical Energy Use: N

## 5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| NaturalGas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| NaturalGas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

## 5.2 Energy by Land Use - NaturalGas

**Unmitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

## 5.2 Energy by Land Use - NaturalGas

**Mitigated**

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Land Use | kBTU/yr | lb/day | | | | | | | | | | lb/day | | | | | |
| Manufacturing | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| **Total** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | | **0.0000** | **0.0000** | **0.0000** | **0.0000** | **0.0000** |

# 6.0 Area Detail

## 6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | lb/day | | | | | | | | | | lb/day | | | | | |
| Mitigated | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| Unmitigated | 0.4101 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |

## 6.2 Area by SubCategory

**Unmitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4099 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | | **4.8400e-003** |

**Mitigated**

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SubCategory | lb/day | | | | | | | | | | lb/day | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Consumer Products | 0.4099 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | | 0.0000 | | | 0.0000 |
| Landscaping | 2.0000e-004 | 2.0000e-005 | 2.1300e-003 | 0.0000 | | 1.0000e-005 | 1.0000e-005 | | 1.0000e-005 | 1.0000e-005 | | 4.5300e-003 | 4.5300e-003 | 1.0000e-005 | | 4.8400e-003 |
| **Total** | **0.4101** | **2.0000e-005** | **2.1300e-003** | **0.0000** | | **1.0000e-005** | **1.0000e-005** | | **1.0000e-005** | **1.0000e-005** | | **4.5300e-003** | **4.5300e-003** | **1.0000e-005** | | **4.8400e-003** |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

| Equipment Type | Number |
|---|---|

## 11.0 Vegetation

**ATTACHMENT "B"**

| Forterra BioClean Facility - Concrete and Raw Material Used for Production of Vaults | | | | 12/12/2018 |
|---|---|---|---|---|
| Concrete Usage History | | | | |
| Start date | 1/1/2018 | Average Daily Usage in CY based on 21 work days per month | | Maximum Concrete Usage based on 200% of Average Daily Use |
| End date | 8/1/2018 | | | |
| CY Delivered in Time Period | 2,624 | | | |
| Average Monthly Usage in CY | 375 | 18 | | 36 |

| Material Calculations | | | | |
|---|---|---|---|---|
| One CY of Concrete Contains: | Pounds | Density lbs/cf | Volume in CY | Tons |
| Aggregate | 1,875 | 95 | 0.731 | 0.94 |
| Sand | 1,375 | 100 | 0.509 | 0.69 |
| Cement | 800 | 94 | 0.315 | 0.40 |
| Sub-Total | 4,050 | | 1.555 | 2.03 |

| Average Monthly Material Usage | | |
|---|---|---|
| Material | Tons | CY |
| Aggregate | 351 | 274 |
| Sand | 258 | 191 |
| Cement | 150 | 118 |
| Concrete - Total Produced | 759 | 375 |

| Processing | Average CY/Day | Maximum CY/Day |
|---|---|---|
| Aggregate delivery to ground storage | 13 | 26 |
| Sand Delivery to ground storage | 9 | 18 |
| Aggregate transfer to conveyor | 13 | 26 |
| Sand transfer to conveyor | 9 | 18 |
| Cement delivery to Silo | 6 | 11 |
| Total Material Processed | 50 | 100 |

| | | |
|---|---|---|
| Total Concrete Produced Daily | 18 | 36 |
| Total Concrete Produced Monthly | 375 | |

# Appendix C
# General Biological Assessment & WRMSHCP Consistency Analysis

# GENERAL BIOLOGICAL ASSESSMENT
# AND
# WESTERN RIVERSIDE COUNTY MSHCP
# CONSISTENCY ANALYSIS
# FOR
# APN 331-190-046
# CITY OF MENIFEE
# COUNTY OF RIVERSIDE, CALIFORNIA

**Prepared for:**

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**DECEMBER 2018**

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Figure 1 – Location Map
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## APPENDICES

Appendix A – Species Observed
Appendix B – Species Presence/Absence List
Appendix C – Site Photographs
Appendix D – Soils Map

## 1.0 Introduction

HES was contracted to prepare a general biological assessment (GBA) and Western Riverside County MSHCP consistency analysis for Riverside County Assessor's Parcel Number (APN) 331-190-046. The project site consists of approximately 3.40 acres located at the northwest corner of Matthews Road and Palomar Road in the city of Menifee, Riverside County, California.

## 1.1 Project Site Location

The project site is located at the northwest corner of Matthews Road and Palomar Road in the city of Menifee, Riverside County, California. The project site consists of Riverside County APN 331-190-046. Specifically, the project site is located within the northwest portion of Section 14, Township 5 south, Range 3 west of the *San Bernardino* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude for the project site are 33°44'22.3179" North and 117°09'48.8760" West (Figures 1 and 2).

## 1.2 Project Description

The project proposes to use APN 331-190-046 as an additional 3.4 acre storage area for the adjacent Forterra Pipe Manufacturing Facility.

## 2.0 Methodology

## 2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project sites and surrounding areas. A five-mile radius was used to identify sensitive species with the California Natural Diversity Data Base (CNDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) rare plant lists to obtain species information for the project area. The CNDDB and USFWS critical habitat databases were utilized, together with Geographic Information System (GIS) software, to locate the previously recorded locations of sensitive plant and wildlife occurrences and designated critical habitat and determine the distance from the project sites. Additionally, the Western Riverside County MSHCP was reviewed for information on known occurrences of sensitive species within Riverside County.

### 2.1.1 Western Riverside County MSHCP

The Western Riverside County MSHCP (Dudek and Associates 2003) is a comprehensive, multijurisdictional habitat conservation planning program for western Riverside County, California. The purpose of the Western Riverside County MSHCP is to preserve native habitats, and to this end, the plan focuses upon the habitat needs of multiple species rather than one

species at a time. The Western Riverside County MSHCP provides coverage/take authorization for some species listed under the federal or state Endangered Species Act (ESA) as well as non-listed special-status plant and wildlife species. It also provides mitigation for impacts to special-status species and their associated habitats.

Through agreements with the USFWS and California Department of Fish and Wildlife (CDFWG), 146 listed and special-status plant and animal species receive some level of coverage under the Western Riverside County MSHCP. Of the 146 covered species, the majority have no additional survey needs or conservation requirements. Furthermore, the Western Riverside County MSHCP provides mitigation for project-specific impacts to these species, thereby reducing the degree of impact to below a level of significance, pursuant to the California Environmental Quality Act (CEQA).

Several of the species covered under the Western Riverside County MSHCP have additional survey requirements. These include the riparian communities and associated species addressed in Section 6.1.2 of the Western Riverside County MSHCP document ("Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools"), plants identified in Section 6.1.3 ("Narrow Endemic Plant Species"); and plants and animal species addressed in Section 6.3.2 ("Additional Survey Needs and Procedures").

### 2.1.2 Project Relationship to the Western Riverside County MSHCP

The project area is located within the Western Riverside County MSHCP boundaries. The County of Riverside, acting as the lead agency for the proposed project, is a permittee under the Western Riverside County MSHCP and, therefore, is afforded coverage under the state or federal ESAs for impacts to listed species covered by the plan. The County is required to document consistency with the Western Riverside County MSHCP in conjunction with any discretionary approvals for the project. As such, this report was prepared to provide all necessary information required to determine project consistency with the Western Riverside County MSHCP.

The project site is located within Western Riverside County MSHCP Harvest Valley/Winchester Area Plan and is not located within an Area Plan Subunit, Criteria Cell, or Cell Group. Further, the project site is not located within plan-defined areas requiring surveys for narrow endemic plant species, criteria area plant species, or burrowing owl (*Athene cunicularia*).

## 2.2 Field Survey

On November 16, 2018, HES biologist Juan Hernandez conducted a field survey of the project site. The ambient temperature at 9:00 a.m. was 70 degrees Fahrenheit, sunny, with winds ranging from zero to three miles per hour from the southwest. The purpose of the field survey was to document the existing habitat conditions, obtain plant and animal species information, view the surrounding land uses, assess the potential for state and federal waters, assess the

potential for wildlife movement corridors, and assess the presence of constituent elements for critical habitat, if present.

Linear transects spaced approximately 50 to 100 feet apart were walked across the project site for 100 percent coverage. All species observed were recorded. Global Positioning System (GPS) waypoints were taken to delineate specific habitat types, species locations, state or federal waters, and any other information that would be useful for the assessment of the project site. A comprehensive list of all plant and wildlife species that were detected during the field survey within the project site is included in Appendix A. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B. Representative site photographs were taken and are included within Appendix C.

## 3.0 Existing Conditions and Results

### 3.1 Environmental Setting

The site is located within the city of Menifee, Riverside County, California. The project site is undeveloped, relatively flat, and disturbed. It is bordered by commercial development to the north and east, and undeveloped land to the south and west. Elevations on the site range from 1,456 feet above mean sea-level (AMSL) to 1,460 AMSL.

### 3.2 Soils

According to the USDA Web Soil Survey, one soil type occurs on the project site (Appendix G). The soils at the project site are classified as Exeter sandy loam, 2 to 8 percent slopes, eroded.

### 3.3 Plant and Habitat Communities

The project site is undeveloped, relatively flat, and heavily disturbed with sparse vegetation. The site is characterized by one habitat type, ruderal/disturbed (Figure 3).

*Ruderal/Disturbed*

The project site contains approximately 3.40 acre of ruderal/disturbed habitat. The ruderal areas on the site are dominated by non-native plant species. Dominant vegetation observed in this habitat type includes ripgut brome (*Bromus diandrus*), foxtail chess (*Bromus madritensis*), black mustard (*Brassica nigra*), Russian thistle (*Salsola tragus*), London rocket (*Sisymbrium irio*), and filaree (*Erodium sp.*).

### 3.4 Wildlife

General wildlife species documented on the project sites or within the vicinity of the sites include, red-tailed hawk (*Buteo jamaicensis),* house finch (*Carpodacus mexicanus),* American crow (*Corvus brachyrhynchos),* western fence lizard (*Sceloporus occidentalis*), common raven

(*Corvus corax*), California ground squirrel (*Otospermophilus beecheyi*), and western kingbird (*Tyrannus verticalis*). The complete list of species observed is included as Appendix A.

### 3.5 Regional Connectivity/Wildlife Movement

Wildlife movement corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbances. The project area was evaluated for its function as a wildlife corridor that species would use to move between wildlife habitat zones. The project area is relatively flat and surrounded by paved roads and residential structures. No wildlife movement corridors were found to be present on the project sites.

### 3.6 Sensitive Biological Resources

According to the CNDDB, a total of 53 sensitive species of plants and 59 sensitive species of animals have the potential to occur on or within the vicinity of the project area. These include those species listed or candidates for listing by the U. S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW) and California Native Plant Society (CNPS). All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws or directed to be evaluated under the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B.

#### 3.6.1 Sensitive Plant Resources

A total of 20 plant species are listed as state and/or federal Threatened, Endangered, or Candidate species; are required to be reviewed under the Narrow Endemic Plant section of the Western Riverside MSHCP; are 1B.1 listed plants on the CNPS Rare Plan Inventory; or have been found to have a potential to exist on the project site. Below are descriptions of these species:

*Chaparral sand-verbena*
Chaparral sand-verbena (*Abronia villosa var. aurita*) is ranked 1B.1 in the CNPS rare plant inventory. It is found in sandy areas of chaparral, coastal scrub, and desert dunes habitats. No habitat for this species is present on the project site. **This species is not present.**

*Munz's onion*
Munz's onion (*Allium munzii*) is a federally endangered, state threatened, and CNPS 1B.1 listed plant. It is found in chaparral, coastal scrub, valley and foothill grasslands, cismontane woodland, and pinyon and juniper woodland. It is commonly found in heavy clay soils. No habitat for this species is present on the project site. **This species is not present.**

*San Diego ambrosia*
San Diego ambrosia (*Ambrosia pumila*) is listed as federally endangered and ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes wetlands in chaparral, coastal sage scrub, valley and foothill grassland. It is commonly found in sandy loam or clay soil and sometimes in alkaline soils. This species persists where disturbance has been superficial. It is also sometimes found on margins or near vernal pools. No habitat for this species is present on the project site. **This species is not present.**

*Rainbow Manzanita*
Rainbow Manzanita (*Arctostaphylos rainbowensis*) is ranked 1B.1 in the CNPS rare plant inventory. It is usually found in gabbro chaparral habitat. No habitat for this species is present on the project site. **This species is not present.**

*Jaeger's milk-vetch*
Jaeger's milk-vetch (*Astragalus pachypus var. jaegeri*) is ranked 1B.1 in the CNPS rare plant inventory. It is often found in dry ridges and valleys, and open sandy slopes. Its habitat includes coastal scrub, chaparral, valley and foothill grassland, and cismontane woodland. No habitat for this species is present on the project site. **This species is not present.**

*San Jacinto Valley crownscale*
San Jacinto Valley crownscale (*Atriplex coronata var. notatior*) is a federally listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes playas, valley and foothill grassland, and vernal pools. It is commonly found in the alkaline areas in the San Jacinto River Valley. No habitat for this species is present on the project site. **This species is not present.**

*Parish's brittlescale*
Parish's brittlescale (*Atriplex parishii*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes shadescale scrub, alkali sink, riparian, playas, vernal pools and wetland. It is usually found on drying alkali flats with fine soils. No habitat for this species is present on the project site. **This species is not present.**

*Thread-leaved brodiaea*
The thread-leaved brodiaea (*Brodiaea filifolia*) is a federally threatened, state endangered and a CNPS 1B.1 listed plant. This species is usually associated with annual grassland and vernal pools and is often surrounded by shrubland habitats. Its habitats include chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. No habitat for this species is present on the project site. **This species is not present.**

*Smooth tarplant*
Smooth tarplant (*Centromadia pungens ssp. laevis*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. It is most commonly found in alkali meadow, alkali scrub, and disturbed habitat. No habitat for this species is present on the project site. **This species is not present.**

*Parry's spineflower*
Parry's spineflower (*Chorizanthe parryi var. parryi*) is ranked 1B.1 in the CNPS rare plant inventory. The species occurs in dry, sandy soils on dry slopes and flats, sometimes at the interface of two vegetations types, such as chaparral and oak woodland. Its habitat includes coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. No habitat for this species is present on the project site. **This species is not present.**

*Slender-horned spineflower*
Slender-horned spineflower (*Dodecahema leptoceras*) is a federally and state listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. This species is typically found near flood deposited terraces and washes. Its habitat includes chaparral, cismontane woodland, and coastal scrub (alluvial fan sage scrub). No habitat for this species is present on the project site. **This species is not present.**

*San Diego button-celery*
San Diego button-celery (*Eryngium aristulatum var. parishii*) is a federally and state listed endangered species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes coastal scrub, valley & foothill grasslands, vernal pools, and wetlands. Its flowering period is from May to June. No habitat for this species is present on the project site. **This species is not present.**

*Campbell's liverwort*
Campbell's liverwort (*Geothallus tuberosus*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes coastal scrub, and vernal pools. No habitat for this species is present on the project site. **This species is not present.**

*Tecate cypress*
Tecate cypress (*Hesperocyparis forbesii*) is ranked 1B.1 in the CNPS rare plant inventory. It is found on clay or gabbro, primarily on north-facing slopes and in groves often associated with chaparral habitat. Its habitat includes closed-cone coniferous forest, and chaparral. No habitat for this species is present on the project site. **This species is not present.**

*Coulter's goldfields*
Coulter's goldfields (*Lasthenia glabrata ssp.coulteri*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes alkali playas, marsh, swamp, salt marsh, vernal pool, and wetland. No habitat for this species is present on the project site. **This species is not present.**

*Parish's meadowfoam*
Parish's measowfoam (*Limnanthes alba ssp. parishii*) is a state listed endangered species. It is ranked 1B.2 in the CNPS rare plant inventory. This species is typically found in vernally moist areas and temporary seeps of highland meadows and plateaus. They are also often found bordering lakes and streams. It is found in lower montane coniferous forest, meadows and seeps, wetland, and vernal pools. No habitat for this species exists on the project site. **This species is not present.**

*Spreading navarretia*
Spreading navarretia (*Navarretia fossalis*) is a federally listed threatened species and is ranked 1B.1 in the CNPS rare plant inventory. Its habitat includes alkali playa, chenopod scrub, marsh and swamp, vernal pools, and wetlands. This species is typically found in swales and vernal pools, often surrounded by other habitat types. No habitat for this species is present on the project site. **This species is not present.**

*Prostrate vernal pool navarretia*
Prostrate vernal pool navarretia (*Navarretia prostrata*) is ranked 1B.1 in the CNPS rare plant inventory. It is typically found in alkaline soils in grassland habitat, or in vernal pools. Its habitat includes coastal scrub, valley and foothill grasslands, vernal pools, meadows, and seeps. No habitat for this species is present on the project site. **This species is not present.**

*California Orcutt grass*
California Orcutt grass (*Orcuttia californica*) is a federal and state endangered species. It is ranked 1B.1 in the CNPS rare plant inventory. It is found in vernal pools. No habitat for this species is present on the project site. **This species is not present.**

*Bottle liverwort*
Bottle liverwort (*Sphaerocarpos drewei*) is ranked 1B.1 in the CNPS rare plant inventory. Its habitats include chaparral and coastal scrub. No habitat for the species is present on the project site. **This species is not present.**

### 3.6.2 Sensitive Animal Resources

A total of 15 animal species listed as state and/or federal Threatened, Endangered, Candidate will be reviewed in this section. Sensitive species which have a potential to occur will also be

discussed in this section. All sensitive species within a 5-mile radius of project area were reviewed and a complete list of those species are discussed within Appendix B. Below are descriptions of these species:

*Tricolored blackbird*
Tricolored blackbird (*Agelaius tricolor)* is a state listed candidate endangered species and listed by the CDFW as a species of special concern. Its habitat includes freshwater marsh, marsh and swamp, swamp, and wetland. This species is largely endemic to California and is most numerous in and around Central Valley. This species requires open accessible water, protected nesting substrate, and foraging area with insect prey within a few kilometers of the colony. There is no habitat for this species on the project site. **This species is not present.**

*Arroyo Toad*
Arroyo Toad (*Anaxyrus californicus*) is a federally listed endangered species and a CDFW Species of Special Concern. The most favorable breeding habitat for this species consists of slow-moving shallow pools, nearby sandbars, and adjacent stream terraces. Its habitat includes desert wash, riparian scrub, riparian woodland, south coast flowing waters, and south coast standing waters. There is no habitat for this species on the project site. **This species is not present.**

*Vernal pool fairy shrimp*
Vernal pool fairy shrimp (*Branchinecta lynchi*) is a federally listed threatened species. This species is found in seasonal pools of water in valley and foothill grasslands. This species typically inhabits small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools. The project site does not contain suitable habitat for this species. **This species is not present.**

*San Diego fairy shrimp*
San Diego fairy shrimp (*Branchinecta sandiegonensis*) is a federally listed endangered species. This species is found in chaparral, coastal scrub, vernal pool, and wetland habitats. It is endemic to San Diego and Orange County mesas. There is no habitat for this species on the project site. **This species is not present.**

*Swainson's hawk*
Swainson's hawk (*Buteo swainsoni*) is a state listed threatened species. This species favors open grasslands for foraging but also occurs in agricultural settings. It relies on scattered stands of trees near agricultural fields and grasslands for nesting sites. Its habitats include great basin grassland, riparian forest, riparian woodland, and valley and foothill grassland. The project site does not contain suitable habitat for this species. **This species is not present.**

*Western snowy plover*
Western snowy plover (*Charadrius alexandrinus nivosus*) is federally listed threatened species and a CDFW Species of Special Concern. It is found in great basin standing waters, sand shore, and wetland. This species needs sandy, gravelly, or friable soils for nesting. The project site does not contain suitable habitat for this species. **This species is not present.**

*San Bernardino kangaroo rat*
San Bernardino kangaroo rat (*Dipodomys merriami parvus*) is a federally listed endangered species and a CDFW Species of Special Concern. It is found in coastal scrub habitat. This species is found in alluvial scrub vegetation on sandy loam substrates, characteristic of alluvial fans and flood plains. It needs early to intermediate seral stages. The project site does not contain suitable habitat for this species. **This species is not present.**

*Stephen's kangaroo rat*
Stephens' kangaroo rat (*Dipodomys stephensi*) is a federally listed endangered and state listed threatened species. This species is found in coastal sage scrub with sparse vegetation cover, and in valley and foothill grasslands. This species prefers buckwheat, chamise, brome grass, and filaree, and will burrow into firm soil. The project site does not contain suitable habitat for this species. **This species is not present.**

*Quino checkerspot butterfly*
Quino checkerspot butterfly (*Euphydryas editha quino*) is a federally listed endangered species. It is found in chaparral and coastal sage scrub. This species requires high densities of food plants, including *Plantago erecta*, *P. insularis*, and *Orthocarpus purpurescens*. The project site does not have suitable habitat for this species. **This species is not present.**

*Bald eagle*
Bald eagle (*Haliaeetus leucocephalus*) is a state listed endangered and CDFW fully protected species. This species is found in lower montane coniferous forest and old-growth. They nest in large old-growth or tress with open branches, especially ponderosa pine. The project site does not contain suitable habitat for this species. **This species is not present.**

*Coastal California gnatcatcher*
Coastal California gnatcatcher (*Polioptila californica californica*) is a federally listed threatened species and CDFW Species of Special Concern. This species is found in coastal bluff scrub and coastal scrub habitat. This species is typically found in low, coastal sage scrub in arid washes, on mesas and slopes. The project site does not contain suitable habitat for this species. **This species is not present.**

*California red-legged frog*
California red-legged frog (*Rana draytonii*) is a federally listed threatened species and a CDFW Species of Special Concern. Its habitat includes aquatic, artificial flowing waters, artificial standing waters, freshwater marsh, marsh and swamp, riparian forest, riparian scrub, riparian woodland, Sacramento and San Juaquin flowing and standing waters, and south coast. It requires 11 to 20 weeks for larval development and must have access to estivation habitat. It is most commonly found in lowlands and foothills, in or near permanent sources of deep water, with dense, shrubby, or emergent riparian vegetation. The project site does not contain suitable habitat for this species. **This species is not present.**

*Riverside fairy shrimp*
Riverside fairy shrimp (*Streptocephalus woottoni*) is a federally listed endangered species. This species is found in coastal scrub, valley and foothill grassland, vernal pool, and wetland habitat. This species typically inhabits seasonally astatic pools filled by winter/spring rains. It is endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales, or earth slump basins in grassland and coastal sage scrub habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

*Least Bell's vireo*
Least Bell's vireo (*Vireo bellii pusillus)* is a federal and state listed endangered species. This species is found in riparian forest, riparian scrub, and riparian woodland. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams. The project site does not contain suitable habitat for this species. **This species is not present.**

*Burrowing owl*
Burrowing owl (*Athene cunicularia*) is a CDFW species of special concern. This species is found in coastal prairie, coastal scrub, great basin grassland, great basin scrub, mojavean desert scrub, sonaran desert scrub, and valley and foothill grassland. The site does not provide suitable habitat for the species. **This species is not present.**

### 3.6.3 Nesting Birds

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. The project site does not contain shrubs and trees that can support nesting song birds or raptors. The ruderal habitat present on the project site is not suitable for nesting birds and raptors.

### 3.7 Jurisdictional Waters

The project site does not contain any drainage features or associated riparian habitat that would be regulated under Section 1602 of the Fish and Game Code. Further, the project site does not contain any "waters of the United States" (WUS) that would be under the jurisdiction of the Federal CWA or riparian/wetland habitat that would be considered Western Riverside MSHCP riparian/riverine resources. No vernal pools are located on the project site.

## 4.0 Project Impacts

### 4.1 Impacts to Habitats

The proposed project will impact the entire project site consisting of 3.40-acres of ruderal habitat.

### 4.2 Impacts to Sensitive Species

No sensitive species have a potential to occur on the project site, therefore no sensitive species will be impacted by this project.

### 4.3 Impacts to Nesting Birds

No impacts to nesting birds are expected.

### 4.4 Impacts to Critical Habitat

The project is not located within designated federal critical habitat. No impact to critical habitat would occur.

### 4.5 Impacts to Wildlife Movement Corridors

The project site does not contain mountain canyons or riparian corridors between major wildlife habitats. The project area is surrounded by paved roads and residential structures. No wildlife movement corridors were found to be present on the project sites.

### 4.6 Conflict with Local Policies or Ordinances Protecting Biological Resources

Should the proposed project result in the removal of trees, it will be required to comply with County of Riverside Ordinance No. 559.

### 4.7 Conflict with the Provisions of an Adopted Habitat Conservation Plan, Natural Community Conservation Plan, or Other Approved Local, Regional, or State Habitat Conservation Plan

No impacts to adopted habitat conservation plans, natural community conservation plans, or other approved local, regional or state habitat conservation plans are expected.

## 4.8 State and Federal Drainages

The project site does not contain any state or federal jurisdictional drainages, streams, or lakes.

# 5.0 Western Riverside County MSHCP Consistency Analysis

## 5.1 MSHCP Requirements

The project site is located within the Western Riverside County MSHCP Harvest Valley/Winchester Area Plan. However, the project site is not located within a Sub Area Plan, Criteria Cell, or Cell Group. A discussion of the applicable Western Riverside County MSHCP requirements follows:

*Section 6.1.2 Species Associated With Riparian/Riverine Habitat and Vernal Pools*

The proposed project site does not contain any drainage features or associated riparian/wetland habitat that would be considered Western Riverside MSHCP riparian/riverine resources. Further, the site does not contain any depressions or areas where water could pool. No vernal pools or suitable habitat for fairy shrimp occur on the site.

*Section 6.1.4 Urban/Wildlands Interface Guidelines*

The project site is not located within or adjacent to a Western Riverside County MSHCP Conservation Area; therefore, the project site is not required to address Section 6.1.4 of the Western Riverside County MSHCP.

*Section 6.3.2 Additional Surveys and Procedures*

The project site is not located within plan-defined areas requiring surveys for narrow endemic plant species, criteria area plant species, or burrowing owl (*Athene cunicularia*). Therefore, no additional surveys are required at this time.

# 6.0 Recommendations

Based upon the findings of this report, no further studies or mitigation measures will be needed. The project site does not contain sensitive habitats or native vegetation and is completely disturbed and maintained.

## 7.0 Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

Date 12/6/18 Signed _____

PROJECT MANAGER

Fieldwork Performed By:

Juan Jose Hernandez

PRINCIPAL BIOLOGIST

## 8.0 References

Burt, W. H., 1986. A Field Guide to the Mammals in North American North of Mexico. Houghton Mifflin Company, Boston,Massachusetts.

California Department of Fish and Wildlife (CDFW), Natural Diversity Database (CNDDB). Accessed December 2018. California Department of Fish and Wildlife, Sacramento, California.

Garrett, K. and J. Dunn, 1981. Birds of Southern California. Los Angeles Audubon Society. The Artisan Press, Los Angeles, California.

Grenfell, W. E., M. D. Parisi, and D. McGriff, 2003. A Check-list of the Amphibians, Reptiles, Birds and Mammals of California. California Wildlife Habitat Relationship System, California Department of Fish and Game, Sacramento, California.

Grinnell, J., 1933. Review of the Recent Mammal Fauna of California. University of California Publications in Zoology, 40:71-234.

Hall, E. R., 1981. The Mammals of North America, Volumes I and II. John Wiley and Sons, New York, New York.

Hickman, J. C., ed. 1993. The Jepson Manual: Higher Plants of California. University of California Press.

Ingles, L. G., 1965. Mammals of the Pacific States. Stanford University Press, Stanford, California.

Jameson, jr., E. W. and H. J. Peters. California Mammals. University of California Press, Berkeley, Los Angeles, London. 403 pp.

List of Vegetation Alliances and Associations. Vegetation Classification and Mapping Program, California Department of Fish and Game. Sacramento, CA. September 2010.

Meserve, P. 1976. Food relationships of a rodent fauna in a California coastal sage scrub community. Journal of Mammalogy, 57: 300-319.

Munz, P.A., 1974. A Flora of Southern California. University of California Press, Berkeley, California.

Peterson, R. 1990 *A Field Guide to Western Birds*. Houghton Mifflin Company, Boston, MA.

Riverside County Integrated Project (RCIP) 2003 Final Multiple Species Habitat Conservation Plan (MSHCP). Riverside, CA.

Sawyer, J.O., T. Keeler-Wolf, and J.M. Evens 2009 *A Manual of California Vegetation, 2nd edition*. California Native Plant Society Press, Sacramento, CA.

U.S. Fish and Wildlife Service, 1998b. Endangered and Threatened Wildlife and Plants; Final Rule to List the San Bernardino Kangaroo Rat as Endangered, Vol. 63, No. 185, pp. 51005 – 51017.

U.S Fish and Wildlife Service, 2014. Endangered and Threatened Wildlife and Plants. https://www.fws.gov/endangered/species/us-species.html. Accessed December 2018.

Web Soil Survey. Available online at http://websoilsurvey.nrcs.usda.gov/. Accessed December 2018.

Western Riverside County Multiple Species Habitat Conservation Plan. Burrowing *Owl Instructions for Western Riverside Multiple Species Habitat Conservation Plan.*

Western Riverside County Multiple Species Habitat Conservation Plan. Section *6.0 MSHCP Implementing Structure.*

Williams, D. F., 1986. Mammalian Species of Special Concern in California. Wildlife Management Division Administrative Report 86-1. Prepared for The Resources Agency, California Department of Fish and Game.

Zeiner, D. C., W. F. Laudenslayer, Jr., K. E. Mayer and M. White, 1990. California's Wildlife, Volume III Mammals, The Resources Agency, Department of Fish and Game, Sacramento, California.

# FIGURES

**Figure 1**

Location Map
APN 331-190-046
City of Menifee
Riverside County, California

**Legend**

Project Site Boundary

N

Hernandez Environmental Services

**Figure 2**

Vicinity Map
APN 331-190-046
City of Menifee
Riverside County, California

**Legend**

Project Site Boundary

N

Hernandez Environmental Services

**Figure 3**

Habitat Map
APN 331-190-046
City of Menifee
Riverside County, California

**Legend**

Project Site Boundary

Ruderal (3.40 acres)

N

Hernandez Environmental Services

# APPENDIX A

## Appendix A Species Observed

### Plant List

| | |
|---|---|
| *Brassica nigra* | Black mustard |
| *Bromus diandrus* | Ripgut brome |
| *Bromus madritensis* | Foxtail brome |
| *Erodium sp.* | Filaree |
| *Salsola tragus* | Russian thistle |
| *Sisymbrium irio* | London rocket |

### Animal List

| | |
|---|---|
| *Buteo jamaicensis* | Red-tailed hawk |
| *Carpodacus mexicanus* | House finch |
| *Corvus brachyrhynchos* | American crow |
| *Corvus corax* | Common raven |
| *Otospermophilus beecheyi* | California ground squirrel |
| *Sceloporus occidentalis* | Western fence lizard |
| *Tyrannus verticalis* | Western kingbird |

# APPENDIX B

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Accipiter cooperii | Cooper's hawk | None | None | CDFW_WL-Watch List \| IUCN_LC-Least Concern | Cismontane woodland \| Riparian forest \| Riparian woodland \| Upper montane coniferous forest | Woodland, chiefly of open, interrupted or marginal type. | Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river flood-plains; also, live oaks. | No habitat present. **Not present.** |
| Agelaius tricolor | tricolored blackbird | None | Candidate Endangered | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| IUCN_EN-Endangered \| NABCI_RWL-Red Watch List \| USFWS_BCC-Birds of Conservation Concern | Freshwater marsh \| Marsh & swamp \| Swamp \| Wetland | Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California. | Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony. | No habitat present. **Not present.** |
| Aimophila ruficeps canescens | southern California rufous-crowned sparrow | None | None | CDFW_WL-Watch List | Chaparral \| Coastal scrub | Resident in Southern California coastal sage scrub and sparse mixed chaparral. | Frequents relatively steep, often rocky hillsides with grass and forb patches. | No habitat present. **Not present.** |
| Anaxyrus californicus | arroyo toad | Endangered | None | CDFW_SSC-Species of Special Concern \| IUCN_EN-Endangered | Desert wash \| Riparian scrub \| Riparian woodland \| South coast flowing waters \| South coast standing waters | Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc. | Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range. | No habitat present. **Not present.** |
| Aquila chrysaetos | golden eagle | None | None | BLM_S-Sensitive \| CDF_S-Sensitive \| CDFW_FP-Fully Protected \| CDFW_WL-Watch List \| IUCN_LC-Least Concern \| USFWS_BCC-Birds of Conservation Concern | Broadleaved upland forest \| Cismontane woodland \| Coastal prairie \| Great Basin grassland \| Great Basin scrub \| Lower montane coniferous forest \| Pinon & juniper woodlands \| Upper montane coniferous forest \| Valley & foothill grassland | Rolling foothills, mountain areas, sage-juniper flats, and desert. | Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas. | No habitat present. **Not present.** |
| Arizona elegans occidentalis | California glossy snake | None | None | CDFW_SSC-Species of Special Concern | | Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. | Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils. | No habitat present. **Not present.** |
| Artemisiospiza belli belli | Bell's sage sparrow | None | None | CDFW_WL-Watch List \| USFWS_BCC-Birds of Conservation Concern | Chaparral \| Coastal scrub | Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range. | Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart. | No habitat present. **Not present.** |
| Asio otus | long-eared owl | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern | Cismontane woodland \| Great Basin scrub \| Riparian forest \| Riparian woodland \| Upper montane coniferous forest | Riparian bottomlands grown to tall willows and cottonwoods; also, belts of live oak paralleling stream courses. | Require adjacent open land, productive of mice and the presence of old nests of crows, hawks, or magpies for breeding. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Aspidoscelis hyperythra | orange-throated whiptail | None | None | CDFW_WL-Watch List \| IUCN_LC-Least Concern \| USFS_S-Sensitive | Chaparral \| Cismontane woodland \| Coastal scrub | Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats. | Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites. | No habitat present. **Not present.** |
| Aspidoscelis tigris stejnegeri | coastal whiptail | None | None | CDFW_SSC-Species of Special Concern | | Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland & riparian areas. | Ground may be firm soil, sandy, or rocky. | No habitat present. **Not present.** |
| Athene cunicularia | burrowing owl | None | None | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern \| USFWS_BCC-Birds of Conservation Concern | Coastal prairie \| Coastal scrub \| Great Basin grassland \| Great Basin scrub \| Mojavean desert scrub \| Sonoran desert scrub \| Valley & foothill grassland | Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. | Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel. | No habitat present. **Not present.** |
| Bombus crotchii | Crotch bumble bee | None | None | | | Coastal California east to the Sierra-Cascade crest and south into Mexico. | Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum. | No habitat present. **Not present.** |
| Branchinecta lynchi | vernal pool fairy shrimp | Threatened | None | IUCN_VU-Vulnerable | Valley & foothill grassland \| Vernal pool \| Wetland | Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools. | Inhabit small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools. | No habitat present. **Not present.** |
| Branchinecta sandiegonensis | San Diego fairy shrimp | Endangered | None | IUCN_EN-Endangered | Chaparral \| Coastal scrub \| Vernal pool \| Wetland | Endemic to San Diego and Orange County mesas. | Vernal pools. | No habitat present. **Not present.** |
| Buteo regalis | ferruginous hawk | None | None | CDFW_WL-Watch List \| IUCN_LC-Least Concern \| USFWS_BCC-Birds of Conservation Concern | Great Basin grassland \| Great Basin scrub \| Pinon & juniper woodlands \| Valley & foothill grassland | Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats. | Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles. | No habitat present. **Not present.** |
| Buteo swainsoni | Swainson's hawk | None | Threatened | BLM_S-Sensitive \| IUCN_LC-Least Concern \| USFWS_BCC-Birds of Conservation Concern | Great Basin grassland \| Riparian forest \| Riparian woodland \| Valley & foothill grassland | Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, & agricultural or ranch lands with groves or lines of trees. | Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations. | No habitat present. **Not present.** |
| Campylorhynchus brunneicapillus sandiegensis | coastal cactus wren | None | None | CDFW_SSC-Species of Special Concern \| USFS_S-Sensitive \| USFWS_BCC-Birds of Conservation Concern | Coastal scrub | Southern California coastal sage scrub. | Wrens require tall opuntia cactus for nesting and roosting. | No habitat present. **Not present.** |
| Chaetodipus californicus femoralis | Dulzura pocket mouse | None | None | CDFW_SSC-Species of Special Concern | Chaparral \| Coastal scrub \| Valley & foothill grassland | Variety of habitats including coastal scrub, chaparral & grassland in San Diego County. | Attracted to grass-chaparral edges. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Chaetodipus fallax fallax | northwestern San Diego pocket mouse | None | None | CDFW_SSC-Species of Special Concern | Chaparral \| Coastal scrub | Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County. | Sandy, herbaceous areas, usually in association with rocks or coarse gravel. | No habitat present. **Not present.** |
| Charadrius alexandrinus nivosus | western snowy plover | Threatened | None | CDFW_SSC-Species of Special Concern \| NABCI_RWL-Red Watch List \| USFWS_BCC-Birds of Conservation Concern | Great Basin standing waters \| Sand shore \| Wetland | Sandy beaches, salt pond levees & shores of large alkali lakes. | Needs sandy, gravelly or friable soils for nesting. | No habitat present. **Not present.** |
| Cicindela senilis frosti | senile tiger beetle | None | None | | Mud shore/flats \| Wetland | Inhabits marine shoreline, from Central California coast south to salt marshes of San Diego. Also found at Lake Elsinore | Inhabits dark-colored mud in the lower zone and dried salt pans in the upper zone. | No habitat present. **Not present.** |
| Circus hudsonius | northern harrier | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern | Coastal scrub \| Great Basin grassland \| Marsh & swamp \| Riparian scrub \| Valley & foothill grassland \| Wetland | Coastal salt & freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas. | Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas. | No habitat present. **Not present.** |
| Coleonyx variegatus abbotti | San Diego banded gecko | None | None | CDFW_SSC-Species of Special Concern | Chaparral \| Coastal scrub | Coastal & cismontane Southern California. | Found in granite or rocky outcrops in coastal scrub and chaparral habitats. | No habitat present. **Not present.** |
| Crotalus ruber | red-diamond rattlesnake | None | None | CDFW_SSC-Species of Special Concern \| USFS_S-Sensitive | Chaparral \| Mojavean desert scrub \| Sonoran desert scrub | Chaparral, woodland, grassland, & desert areas from coastal San Diego County to the eastern slopes of the mountains. | Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects. | No habitat present. **Not present.** |
| Diadophis punctatus modestus | San Bernardino ringneck snake | None | None | USFS_S-Sensitive | | Most common in open, relatively rocky areas. Often in somewhat moist microhabitats near intermittent streams. | Avoids moving through open or barren areas by restricting movements to areas of surface litter or herbaceous veg. | No habitat present. **Not present.** |
| Dipodomys merriami parvus | San Bernardino kangaroo rat | Endangered | None | CDFW_SSC-Species of Special Concern | Coastal scrub | Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains. | Needs early to intermediate seral stages. | No habitat present. **Not present.** |
| Dipodomys stephensi | Stephens' kangaroo rat | Endangered | Threatened | IUCN_EN-Endangered | Coastal scrub \| Valley & foothill grassland | Primarily annual & perennial grasslands, but also occurs in coastal scrub & sagebrush with sparse canopy cover. | Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil. | No habitat present. **Not present.** |
| Elanus leucurus | white-tailed kite | None | None | BLM_S-Sensitive \| CDFW_FP-Fully Protected \| IUCN_LC-Least Concern | Cismontane woodland \| Marsh & swamp \| Riparian woodland \| Valley & foothill grassland \| Wetland | Rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland. | Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Emys marmorata | western pond turtle | None | None | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| IUCN_VU-Vulnerable \| USFS_S-Sensitive | Aquatic \| Artificial flowing waters \| Klamath/North coast flowing waters \| Klamath/North coast standing waters \| Marsh & swamp \| Sacramento/San Joaquin flowing waters \| Sacramento/San Joaquin standing waters \| South coast flowing waters \| South coast standing waters \| Wetland | A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. | Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying. | No habitat present. **Not present.** |
| Eremophila alpestris actia | California horned lark | None | None | CDFW_WL-Watch List \| IUCN_LC-Least Concern | Marine intertidal & splash zone communities \| Meadow & seep | Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills. | Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats. | No habitat present. **Not present.** |
| Eumops perotis californicus | western mastiff bat | None | None | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| WBWG_H-High Priority | Chaparral \| Cismontane woodland \| Coastal scrub \| Valley & foothill grassland | Many open, semi-arid to arid habitats, including conifer & deciduous woodlands, coastal scrub, grasslands, chaparral, etc. | Roosts in crevices in cliff faces, high buildings, trees and tunnels. | No habitat present. **Not present.** |
| Euphydryas editha quino | quino checkerspot butterfly | Endangered | None | XERCES_CI-Critically Imperiled | Chaparral \| Coastal scrub | Sunny openings within chaparral & coastal sage shrublands in parts of Riverside & San Diego counties. | Hills and mesas near the coast. Need high densities of food plants Plantago erecta, P. insularis, and Orthocarpus purpurescens. | No habitat present. **Not present.** |
| Gila orcuttii | arroyo chub | None | None | AFS_VU-Vulnerable \| CDFW_SSC-Species of Special Concern \| USFS_S-Sensitive | Aquatic \| South coast flowing waters | Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave & San Diego river basins. | Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates. | No habitat present. **Not present.** |
| Haliaeetus leucocephalus | bald eagle | Delisted | Endangered | BLM_S-Sensitive \| CDF_S-Sensitive \| CDFW_FP-Fully Protected \| IUCN_LC-Least Concern \| USFS_S-Sensitive \| USFWS_BCC-Birds of Conservation Concern | Lower montane coniferous forest \| Oldgrowth | Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water. | Nests in large, old-growth, or dominant live tree with open branches, especially ponderosa pine. Roosts communally in winter. | No habitat present. **Not present.** |
| Icteria virens | yellow-breasted chat | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern | Riparian forest \| Riparian scrub \| Riparian woodland | Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. | Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Lanius ludovicianus | loggerhead shrike | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern \| USFWS_BCC-Birds of Conservation Concern | Broadleaved upland forest \| Desert wash \| Joshua tree woodland \| Mojavean desert scrub \| Pinon & juniper woodlands \| Riparian woodland \| Sonoran desert scrub | Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub & washes. | Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting. | No habitat present. **Not present.** |
| Lasiurus xanthinus | western yellow bat | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern \| WBWG_H-High Priority | Desert wash | Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. | Roosts in trees, particularly palms. Forages over water and among trees. | No habitat present. **Not present.** |
| Lepus californicus bennettii | San Diego black-tailed jackrabbit | None | None | CDFW_SSC-Species of Special Concern | Coastal scrub | Intermediate canopy stages of shrub habitats & open shrub / herbaceous & tree / herbaceous edges. | Coastal sage scrub habitats in Southern California. | No habitat present. **Not present.** |
| Linderiella santarosae | Santa Rosa Plateau fairy shrimp | None | None | | Vernal pool | Found only in the vernal pools on Santa Rosa Plateau in Riverside County. | Southern basalt flow vernal pools. | No habitat present. **Not present.** |
| Neotoma lepida intermedia | San Diego desert woodrat | None | None | CDFW_SSC-Species of Special Concern | Coastal scrub | Coastal scrub of Southern California from San Diego County to San Luis Obispo County. | Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes. | No habitat present. **Not present.** |
| Nyctinomops femorosaccus | pocketed free-tailed bat | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern \| WBWG_M-Medium Priority | Joshua tree woodland \| Pinon & juniper woodlands \| Riparian scrub \| Sonoran desert scrub | Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc. | Rocky areas with high cliffs. | No habitat present. **Not present.** |
| Onychomys torridus ramona | southern grasshopper mouse | None | None | CDFW_SSC-Species of Special Concern | Chenopod scrub | Desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover. | Feeds almost exclusively on arthropods, especially scorpions and orthopteran insects. | No habitat present. **Not present.** |
| Perognathus longimembris brevinasus | Los Angeles pocket mouse | None | None | CDFW_SSC-Species of Special Concern | Coastal scrub | Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin. | Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead. | No habitat present. **Not present.** |
| Perognathus longimembris internationalis | Jacumba pocket mouse | None | None | CDFW_SSC-Species of Special Concern | Coastal scrub \| Desert wash \| Sonoran desert scrub | Desert riparian, desert scrub, desert wash, coastal scrub and sagebrush. | Rarely found on rocky sites; uses all canopy coverages. | No habitat present. **Not present.** |
| Phrynosoma blainvillii | coast horned lizard | None | None | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern | Chaparral \| Cismontane woodland \| Coastal bluff scrub \| Coastal scrub \| Desert wash \| Pinon & juniper woodlands \| Riparian scrub \| Riparian woodland \| Valley & foothill grassland | Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. | Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Plegadis chihi | white-faced ibis | None | None | CDFW_WL-Watch List \| IUCN_LC-Least Concern | Marsh & swamp \| Wetland | Shallow freshwater marsh. | Dense tule thickets for nesting, interspersed with areas of shallow water for foraging. | No habitat present. **Not present.** |
| Polioptila californica californica | coastal California gnatcatcher | Threatened | None | CDFW_SSC-Species of Special Concern \| NABCI_YWL-Yellow Watch List | Coastal bluff scrub \| Coastal scrub | Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California. | Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied. | No habitat present. **Not present.** |
| Rana draytonii | California red-legged frog | Threatened | None | CDFW_SSC-Species of Special Concern \| IUCN_VU-Vulnerable | Aquatic \| Artificial flowing waters \| Artificial standing waters \| Freshwater marsh \| Marsh & swamp \| Riparian forest \| Riparian scrub \| Riparian woodland \| Sacramento/San Joaquin flowing waters \| Sacramento/San Joaquin standing waters \| South coast flowing waters \| South coast standing waters \| Wetland | Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. | Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat. | No habitat present. **Not present.** |
| Salvadora hexalepis virgultea | coast patch-nosed snake | None | None | CDFW_SSC-Species of Special Concern | Coastal scrub | Brushy or shrubby vegetation in coastal Southern California. | Require small mammal burrows for refuge and overwintering sites. | No habitat present. **Not present.** |
| Setophaga petechia | yellow warbler | None | None | CDFW_SSC-Species of Special Concern \| USFWS_BCC-Birds of Conservation Concern | Riparian forest \| Riparian scrub \| Riparian woodland | Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. | Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders. | No habitat present. **Not present.** |
| Socalchemmis icenoglei | Icenogle's socalchemmis spider | None | None | | Coastal scrub | Known only from the type locality in the vicinity of Winchester, Riverside County. | | No habitat present. **Not present.** |
| Spea hammondii | western spadefoot | None | None | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| IUCN_NT-Near Threatened | Cismontane woodland \| Coastal scrub \| Valley & foothill grassland \| Vernal pool \| Wetland | Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. | Vernal pools are essential for breeding and egg-laying. | No habitat present. **Not present.** |
| Sphaerocarpos drewei | bottle liverwort | None | None | | Chaparral \| Coastal scrub | Chaparral, coastal scrub. | Liverwort in openings; on soil. 90-600 m. | No habitat present. **Not present.** |
| Streptocephalus woottoni | Riverside fairy shrimp | Endangered | None | IUCN_EN-Endangered | Coastal scrub \| Valley & foothill grassland \| Vernal pool \| Wetland | Endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub. | Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|
| Taricha torosa | Coast Range newt | None | None | CDFW_SSC-Species of Special Concern | | Coastal drainages from Mendocino County to San Diego County. | Lives in terrestrial habitats & will migrate over 1 km to breed in ponds, reservoirs & slow moving streams. | No habitat present. **Not present.** |
| Taxidea taxus | American badger | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern | Alkali marsh \| Alkali playa \| Alpine \| Alpine dwarf scrub \| Bog & fen \| Brackish marsh \| Broadleaved upland forest \| Chaparral \| Chenopod scrub \| Cismontane woodland \| Closed-cone coniferous forest \| Coastal bluff scrub \| Coastal dunes \| Coastal prairie \| Coastal scrub \| Desert dunes \| Desert wash \| Freshwater marsh \| Great Basin grassland \| Great Basin scrub \| Interior dunes \| Ione formation \| Joshua tree woodland \| Limestone \| Lower montane coniferous forest \| Marsh & swamp \| Meadow & seep \| Mojavean desert scrub \| Montane dwarf scrub \| North coast coniferous forest \| Oldgrowth \| Pavement plain \| Redwood \| Riparian forest \| Riparian scrub \| Riparian woodland \| Salt marsh \| Sonoran desert scrub \| Sonoran thorn woodland \| | Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. | Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows. | No habitat present. **Not present.** |
| Thamnophis hammondii | two-striped gartersnake | None | None | BLM_S-Sensitive \| CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern \| USFS_S-Sensitive | Marsh & swamp \| Riparian scrub \| Riparian woodland \| Wetland | Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation. | Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth. | No habitat present. **Not present.** |
| Vireo bellii pusillus | least Bell's vireo | Endangered | Endangered | IUCN_NT-Near Threatened \| NABCI_YWL-Yellow Watch List | Riparian forest \| Riparian scrub \| Riparian woodland | Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. | Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite. | No habitat present. **Not present.** |
| Xanthocephalus xanthocephalus | yellow-headed blackbird | None | None | CDFW_SSC-Species of Special Concern \| IUCN_LC-Least Concern | Marsh & swamp \| Wetland | Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds. | Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Rare Plant Rank | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|---|
| Abronia villosa var. aurita | chaparral sand-verbena | None | None | 1B.1 | BLM_S-Sensitive \| USFS_S-Sensitive | Chaparral \| Coastal scrub \| Desert dunes | Chaparral, coastal scrub, desert dunes. | Sandy areas. -60-1570 m. | No habitat present. **Not present.** |
| Allium munzii | Munz's onion | Endangered | Threatened | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Chaparral \| Cismontane woodland \| Coastal scrub \| Pinon & juniper woodlands \| Valley & foothill grassland | Chaparral, coastal scrub, cismontane woodland, pinyon and juniper woodland, valley and foothill grassland. | Heavy clay soils; grows in grasslands & openings within shrublands or woodlands. 375-1040 m. | No habitat present. **Not present.** |
| Almutaster pauciflorus | alkali marsh aster | None | None | 2B.2 | | Meadow & seep | Meadow and seeps. | Alkaline. 60-765 m. | No habitat present. **Not present.** |
| Ambrosia pumila | San Diego ambrosia | Endangered | None | 1B.1 | | Chaparral \| Coastal scrub \| Valley & foothill grassland | Chaparral, coastal scrub, valley and foothill grassland. | Sandy loam or clay soil; sometimes alkaline. In valleys; persists where disturbance has been superficial. Sometimes on margins or near vernal pools. 3-580 m. | No habitat present. **Not present.** |
| Arctostaphylos rainbowensis | Rainbow manzanita | None | None | 1B.1 | BLM_S-Sensitive \| USFS_S-Sensitive | Chaparral \| Ultramafic | Chaparral. | Usually found in gabbro chaparral. 100-870 m. | No habitat present. **Not present.** |
| Astragalus pachypus var. jaegeri | Jaeger's milk-vetch | None | None | 1B.1 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden \| USFS_S-Sensitive | Chaparral \| Cismontane woodland \| Coastal scrub \| Valley & foothill grassland | Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland. | Dry ridges and valleys and open sandy slopes; often in grassland and oak-chaparral. 365-915 m. | No habitat present. **Not present.** |
| Atriplex coronata var. notatior | San Jacinto Valley crownscale | Endangered | None | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Alkali playa \| Valley & foothill grassland \| Vernal pool \| Wetland | Playas, valley and foothill grassland, vernal pools. | Alkaline areas in the San Jacinto River Valley. 35-460 m. | No habitat present. **Not present.** |
| Atriplex parishii | Parish's brittlescale | None | None | 1B.1 | USFS_S-Sensitive | Alkali playa \| Chenopod scrub \| Meadow & seep \| Vernal pool \| Wetland | Vernal pools, chenopod scrub, playas. | Usually on drying alkali flats with fine soils. 5-1420 m. | No habitat present. **Not present.** |
| Atriplex serenana var. davidsonii | Davidson's saltscale | None | None | 1B.2 | | Coastal bluff scrub \| Coastal scrub | Coastal bluff scrub, coastal scrub. | Alkaline soil. 0-480 m. | No habitat present. **Not present.** |
| Ayenia compacta | California ayenia | None | None | 2B.3 | | Desert wash \| Mojavean desert scrub \| Sonoran desert scrub | Mojavean desert scrub, Sonoran desert scrub. | Sandy and gravelly washes in the desert; dry desert canyons. 60-1830 m. | No habitat present. **Not present.** |
| Bombus crotchii | Crotch bumble bee | None | None | | | | Coastal California east to the Sierra-Cascade crest and south into Mexico. | Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum. | No habitat present. **Not present.** |
| Brodiaea filifolia | thread-leaved brodiaea | Threatened | Endangered | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Chaparral \| Cismontane woodland \| Coastal scrub \| Valley & foothill grassland \| Vernal pool \| Wetland | Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools. | Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 15-1030 m. | No habitat present. **Not present.** |
| Brodiaea santarosae | Santa Rosa Basalt brodiaea | None | None | 1B.2 | USFS_S-Sensitive | Valley & foothill grassland | Valley and foothill grassland. | Santa Rosa Basalt. 585-1045 m. | No habitat present. **Not present.** |
| Calochortus plummerae | Plummer's mariposa-lily | None | None | 4.2 | SB_RSABG-Rancho Santa Ana Botanic Garden | Chaparral \| Cismontane woodland \| Coastal scrub \| Lower montane coniferous forest \| Valley & foothill grassland | Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland, lower montane coniferous forest. | Occurs on rocky and sandy sites, usually of granitic or alluvial material. Can be very common after fire. 60-2500 m. | No habitat present. **Not present.** |
| Calochortus weedii var. intermedius | intermediate mariposa-lily | None | None | 1B.2 | SB_RSABG-Rancho Santa Ana Botanic Garden \| USFS_S-Sensitive | Chaparral \| Coastal scrub \| Valley & foothill grassland | Coastal scrub, chaparral, valley and foothill grassland. | Dry, rocky calcareous slopes and rock outcrops. 60-1575 m. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Rare Plant Rank | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|---|
| Caulanthus simulans | Payson's jewelflower | None | None | 4.2 | USFS_S-Sensitive | Chaparral \| Coastal scrub | Chaparral, coastal scrub. | Frequently in burned areas, or in disturbed sites such as streambeds; also on rocky, steep slopes. Sandy, granitic soils. 90-2200 m. | No habitat present. **Not present.** |
| Centromadia pungens ssp. laevis | smooth tarplant | None | None | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Alkali playa \| Chenopod scrub \| Meadow & seep \| Riparian woodland \| Valley & foothill grassland \| Wetland | Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland. | Alkali meadow, alkali scrub; also in disturbed places. 5-1170 m. | No habitat present. **Not present.** |
| Chorizanthe parryi var. parryi | Parry's spineflower | None | None | 1B.1 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden \| USFS_S-Sensitive | Chaparral \| Cismontane woodland \| Coastal scrub \| Valley & foothill grassland | Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. | Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland. Dry, sandy soils. 90-1220 m. | No habitat present. **Not present.** |
| Chorizanthe polygonoides var. longispina | long-spined spineflower | None | None | 1B.2 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden | Chaparral \| Coastal scrub \| Meadow & seep \| Ultramafic \| Valley & foothill grassland \| Vernal pool | Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools. | Gabbroic clay. 30-1630 m. | No habitat present. **Not present.** |
| Clinopodium chandleri | San Miguel savory | None | None | 1B.2 | BLM_S-Sensitive \| USFS_S-Sensitive | Chaparral \| Cismontane woodland \| Coastal scrub \| Riparian woodland \| Ultramafic \| Valley & foothill grassland | Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. | Rocky, gabbroic or metavolcanic substrate. 120-975 m. | No habitat present. **Not present.** |
| Cryptantha wigginsii | Wiggins' cryptantha | None | None | 1B.2 | | Coastal scrub | Coastal scrub. | Often on clay soils. 45-110 m. | No habitat present. **Not present.** |
| Dodecahema leptoceras | slender-horned spineflower | Endangered | Endangered | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Chaparral \| Cismontane woodland \| Coastal scrub | Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub). | Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 200-765 m. | No habitat present. **Not present.** |
| Dudleya multicaulis | many-stemmed dudleya | None | None | 1B.2 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden \| USFS_S-Sensitive | Chaparral \| Coastal scrub \| Valley & foothill grassland | Chaparral, coastal scrub, valley and foothill grassland. | In heavy, often clayey soils or grassy slopes. 1-910 m. | No habitat present. **Not present.** |
| Eryngium aristulatum var. parishii | San Diego button-celery | Endangered | Endangered | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Coastal scrub \| Valley & foothill grassland \| Vernal pool \| Wetland | Vernal pools, coastal scrub, valley and foothill grassland. | San Diego mesa hardpan & claypan vernal pools & southern interior basalt flow vernal pools; usually surrounded by scrub. 15-880 m. | No habitat present. **Not present.** |
| Geothallus tuberosus | Campbell's liverwort | None | None | 1B.1 | | Coastal scrub \| Vernal pool \| Wetland | Coastal scrub,vernal pools. | Liverwort known from mesic soil. 10-600 m. | No habitat present. **Not present.** |
| Harpagonella palmeri | Palmer's grapplinghook | None | None | 4.2 | SB_RSABG-Rancho Santa Ana Botanic Garden | Chaparral \| Coastal scrub \| Valley & foothill grassland | Chaparral, coastal scrub, valley and foothill grassland. | Clay soils; open grassy areas within shrubland. 20-955 m. | No habitat present. **Not present.** |
| Hesperocyparis forbesii | Tecate cypress | None | None | 1B.1 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden \| SB_USDA-US Dept of Agriculture \| USFS_S-Sensitive | Chaparral \| Closed-cone coniferous forest | Closed-cone coniferous forest, chaparral. | Primarily on north-facing slopes; groves often associated with chaparral. On clay or gabbro. 60-1650 m. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Rare Plant Rank | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|---|
| Juncus luciensis | Santa Lucia dwarf rush | None | None | 1B.2 | USFS_S-Sensitive | Chaparral \| Great Basin scrub \| Lower montane coniferous forest \| Meadow & seep \| Vernal pool \| Wetland | Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub. | Vernal pools, ephemeral drainages, wet meadow habitats and streamsides. 280-2035 m. | No habitat present. **Not present.** |
| Lasthenia glabrata ssp. coulteri | Coulter's goldfields | None | None | 1B.1 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden | Alkali playa \| Marsh & swamp \| Salt marsh \| Vernal pool \| Wetland | Coastal salt marshes, playas, vernal pools. | Usually found on alkaline soils in playas, sinks, and grasslands. 1-1375 m. | No habitat present. **Not present.** |
| Lepidium virginicum var. robinsonii | Robinson's pepper-grass | None | None | 4.3 | | Chaparral \| Coastal scrub | Chaparral, coastal scrub. | Dry soils, shrubland. 4-1435 m. | No habitat present. **Not present.** |
| Lilium parryi | lemon lily | None | None | 1B.2 | SB_RSABG-Rancho Santa Ana Botanic Garden \| USFS_S-Sensitive | Lower montane coniferous forest \| Meadow & seep \| Riparian forest \| Upper montane coniferous forest \| Wetland | Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest. | Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows & seeps. 625-2930 m. | No habitat present. **Not present.** |
| Limnanthes alba ssp. parishii | Parish's meadowfoam | None | Endangered | 1B.2 | BLM_S-Sensitive \| SB_RSABG-Rancho Santa Ana Botanic Garden \| SB_USDA-US Dept of Agriculture \| USFS_S-Sensitive | Lower montane coniferous forest \| Meadow & seep \| Vernal pool \| Wetland | Lower montane coniferous forest, meadows and seeps, vernal pools. | Vernally moist areas and temporary seeps of highland meadows and plateaus; often bordering lakes and streams. 605-1805 m. | No habitat present. **Not present.** |
| Monardella hypoleuca ssp. intermedia | intermediate monardella | None | None | 1B.3 | | Chaparral \| Cismontane woodland \| Lower montane coniferous forest | Chaparral, cismontane woodland, lower montane coniferous forest (sometimes). | Often in steep, brushy areas. 195-1675 m. | No habitat present. **Not present.** |
| Myosurus minimus ssp. apus | little mousetail | None | None | 3.1 | | Valley & foothill grassland \| Vernal pool \| Wetland | Vernal pools, valley and foothill grassland. | Alkaline soils. 20-640 m. | No habitat present. **Not present.** |
| Nama stenocarpa | mud nama | None | None | 2B.2 | | Marsh & swamp \| Wetland | Marshes and swamps. | Lake shores, river banks, intermittently wet areas. 5-500 m. | No habitat present. **Not present.** |
| Navarretia fossalis | spreading navarretia | Threatened | None | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Alkali playa \| Chenopod scrub \| Marsh & swamp \| Vernal pool \| Wetland | Vernal pools, chenopod scrub, marshes and swamps, playas. | San Diego hardpan and San Diego claypan vernal pools; in swales & vernal pools, often surrouded by other habitat types. 15-850 m. | No habitat present. **Not present.** |
| Navarretia prostrata | prostrate vernal pool navarretia | None | None | 1B.1 | | Coastal scrub \| Meadow & seep \| Valley & foothill grassland \| Vernal pool \| Wetland | Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps. | Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m. | No habitat present. **Not present.** |
| Orcuttia californica | California Orcutt grass | Endangered | Endangered | 1B.1 | SB_RSABG-Rancho Santa Ana Botanic Garden | Vernal pool \| Wetland | Vernal pools. | 10-660 m. | No habitat present. **Not present.** |
| Pseudognaphalium leucocephalum | white rabbit-tobacco | None | None | 2B.2 | | Chaparral \| Cismontane woodland \| Coastal scrub \| Riparian woodland | Riparian woodland, cismontane woodland, coastal scrub, chaparral. | Sandy, gravelly sites. 35-515 m. | No habitat present. **Not present.** |
| Scutellaria bolanderi ssp. austromontana | southern mountains skullcap | None | None | 1B.2 | USFS_S-Sensitive | Chaparral \| Cismontane woodland \| Lower montane coniferous forest | Chaparral, cismontane woodland, lower montane coniferous forest. | In gravelly soils on streambanks or in mesic sites in oak or pine woodland. 425-2000 m. | No habitat present. **Not present.** |
| Sibaropsis hammittii | Hammitt's clay-cress | None | None | 1B.2 | SB_RSABG-Rancho Santa Ana Botanic Garden \| USFS_S-Sensitive | Chaparral \| Valley & foothill grassland | Valley and foothill grassland, chaparral. | Mesic microsites in open areas on clay soils in Stipa grassland. Often surrounded by Adenostoma chaparral. 715-1040 m. | No habitat present. **Not present.** |

| Scientific Name | Common Name | Federal Listing | State Listing | Rare Plant Rank | Other Status | Habitats | General Habitat | Micro Habitat | Presence/Absence |
|---|---|---|---|---|---|---|---|---|---|
| Sidalcea neomexicana | salt spring checkerbloom | None | None | 2B.2 | USFS_S-Sensitive | Alkali playa \| Chaparral \| Coastal scrub \| Lower montane coniferous forest \| Mojavean desert scrub \| Wetland | Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. | Alkali springs and marshes. 3-2380 m. | No habitat present. **Not present.** |
| Southern Coast Live Oak Riparian Forest | Southern Coast Live Oak Riparian Forest | None | None | | | Riparian forest | | | No habitat present. **Not present.** |
| Southern Cottonwood Willow Riparian Forest | Southern Cottonwood Willow Riparian Forest | None | None | | | Riparian forest | | | No habitat present. **Not present.** |
| Southern Interior Basalt Flow Vernal Pool | Southern Interior Basalt Flow Vernal Pool | None | None | | | Vernal pool \| Wetland | | | No habitat present. **Not present.** |
| Southern Riparian Scrub | Southern Riparian Scrub | None | None | | | Riparian scrub | | | No habitat present. **Not present.** |
| Southern Sycamore Alder Riparian Woodland | Southern Sycamore Alder Riparian Woodland | None | None | | | Riparian woodland | | | No habitat present. **Not present.** |
| Sphaerocarpos drewei | bottle liverwort | None | None | 1B.1 | | Chaparral \| Coastal scrub | Chaparral, coastal scrub. | Liverwort in openings; on soil. 90-600 m. | No habitat present. **Not present.** |
| Symphyotrichum defoliatum | San Bernardino aster | None | None | 1B.2 | BLM_S-Sensitive \| USFS_S-Sensitive | Cismontane woodland \| Coastal scrub \| Lower montane coniferous forest \| Marsh & swamp \| Meadow & seep \| Valley & foothill grassland | Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland. | Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m. | No habitat present. **Not present.** |
| Texosporium sancti-jacobi | woven-spored lichen | None | None | 3 | | Chaparral | Chaparral. | Open sites; in California with Adenostoma fasciculatum, Eriogonum, Selaginella. At Pinnacles, on small mammal pellets. 290-660 m. | No habitat present. **Not present.** |
| Tortula californica | California screw moss | None | None | 1B.2 | BLM_S-Sensitive | Chenopod scrub \| Valley & foothill grassland | Chenopod scrub, valley and foothill grassland. | Moss growing on sandy soil. 10-1460 m. | No habitat present. **Not present.** |
| Trichocoronis wrightii var. wrightii | Wright's trichocoronis | None | None | 2B.1 | | Marsh & swamp \| Meadow & seep \| Riparian forest \| Vernal pool \| Wetland | Marshes and swamps, riparian forest, meadows and seeps, vernal pools. | Mud flats of vernal lakes, drying river beds, alkali meadows. 5-435 m. | No habitat present. **Not present.** |
| Valley Needlegrass Grassland | Valley Needlegrass Grassland | None | None | | | Valley & foothill grassland | | | No habitat present. **Not present.** |

# APPENDIX C

Ruderal habitat on the project site.

Sparse vegetation on the project site.

Hernandez
Environmental
Services

# APPENDIX D

Map Scale: 1:985 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

## MAP LEGEND

**Area of Interest (AOI)**

- Area of Interest (AOI)

**Soils**

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

**Special Point Features**

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

**Water Features**

- Streams and Canals

**Transportation**

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

**Background**

- Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California
Survey Area Data: Version 11, Sep 12, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 5, 2015—Feb 4, 2015

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| EnC2 | Exeter sandy loam, 2 to 8 percent slopes, eroded | 3.6 | 100.0% |
| **Totals for Area of Interest** | | **3.6** | **100.0%** |

# Appendix D
# Trip Generation Assessment

URBAN CROSSROADS

260 E. Baker St. | Suite 200 | Costa Mesa, CA 92626 | (949) 660-1994
urbanxroads.com

October 3, 2018

Mr. Grant Becklund
30811 Garbani Road
Winchester, CA 92596

**SUBJECT: FORTERRA PIPE MANUFACTURING FACILITY TRIP GENERATION ASSESSMENT**

Dear Mr. Grant Becklund:

Urban Crossroads, Inc. is pleased to submit this Trip Generation Assessment for the Forterra Pipe Manufacturing Facility development ("Project"), which is located at the northeast corner of Matthews Road and Palomar Road in the City of Menifee.

The Project site is currently occupied by the Forterra Pipe Manufacturing use which includes approximately 74,090 square feet of manufacturing use. The Project proposes to construct a new 16,500 square foot metal building to accommodate internal equipment with a weather tight roof and shed roof to provide sun and water protection for on-site activities. Three traveling cranes to assist in the assembly and movement of materials and concrete will be utilized. A precast concrete mixer will be installed under the shed roof along with sand and aggregate material bins and a concrete silo for the storage of raw cement. This concrete batching equipment will replace the delivery of ready-mix concrete from local suppliers and will provide a more efficient manufacturing process and better-quality control of the concrete used in the process. The proposed material storage bins and cement silo will be shielded by the new building from view from Matthews Road. A second 4,200 square foot metal building addition will be added to the existing 3,800 square feet metal storage building to provide weather proof storage of the materials and equipment installed in the water quality boxes. Both new buildings and equipment will be pre-painted to match the existing buildings and trim.

These products are currently being manufactured on-site on an open slab and Forterra would like to cover the manufacturing area with a roof and install fixed cranes to move the materials within the building. This operation will not add additional employees or traffic beyond what was evaluated in the

Forterra Pipe Manufacturing Focused Trip Generation Assessment (Urban Crossroads April 2017). The proposed Project is consistent with the allowable land use per the City's General Plan and is not anticipated to generate any additional traffic from the concrete batching operation. As such, further detailed traffic evaluation (e.g., traffic study), in addition to the trip generation evaluation (previously prepared), is not required based on the proposed Project.

If you have any questions, please contact me directly at (949) 336-5987.

Respectfully submitted,

URBAN CROSSROADS, INC.

Haseeb Qureshi
Senior Associate

URBAN CROSSROADS

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