GENERAL PLAN AMENDMENT

YUCAIPA STORAGE PROJECT

MITIGATED NEGATIVE DECLARATION (MND)

July 15, 2022

City of Yucaipa
Community Development Department
34272 Yucaipa Boulevard
Yucaipa, CA 92399

CITY OF YUCAIPA
INITIAL STUDY

ENVIRONMENTAL CHECKLIST FORM

1. Project Title: Case No. 21-202/GPA/CUP/ARC

2. Lead Agency Name and Address: City of Yucaipa, 34272 Yucaipa Blvd., Yucaipa, CA 92399

3. Contact Person and Phone Number: Christian Farmer, (909) 797-2489 x 270

4. Project Location: Located on the west side of 11th Street at approximately 160 feet south of Yucaipa Boulevard, 500 feet east of 12th Street and 470 feet north of Avenue D. APNs: 0318-011-07 and -48.

5. Project Sponsor's Name and Address: Chicago Capital Funds LLC: 501 West Broadway, Suite No. 2020, San Diego, California 92101.

6. General Plan Designation: Existing – RS-20M (Single Residential) and CG (General Commercial) / Proposed – CG (General Commercial).

7. Description of the Project: Case No. 21-202/GPA/CUP/ARC: A Minor General Plan Amendment to change the land use designation of a split-zoned parcel (APN 0318-011-48), currently designated as RS-20M (Single Residential) (1.43 acres) and CG (General Commercial) (4.5-acres), to a single land use designation of CG (General Commercial) totaling 5.93 acres, and a Conditional Use Permit and Architectural Review to permit for the construction of a secured-gated self-storage facility situated on two (2) parcels totaling approximately 6.25 acres and located on the west side 11th Street, on the south side of Yucaipa Boulevard, 500 feet east of 12th Street and 470 feet north of Avenue D.

8. Surrounding Land Uses and Setting: Commercial retail uses to the north, single-family residences to the south, single-family residences with a commercial use (tile aggregate store with storage lot) to the east and single-family residences to the west.

9. Other public agencies whose approval is required (e.g. permits, financing approval, or participation agreement): A Monitoring and Treatment Plan with the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI) and agreements with the Yucaipa Valley Water District for sewer connection and with Western Heights Water District for connection to water.

Introduction

This section explains the background and purpose of this Mitigated Negative Declaration (MND), which is the environmental review document prepared pursuant to the provisions of the California Environmental Quality Act (CEQA) for a General Plan Amendment to designate a multi-parcel property with an existing Single Residential and General Commercial designation as General Commercial ("GPA" or "Project") and a Conditional Use Permit to permit a self-storage facility on the multi-parcel property. It establishes the context and scope for the MND, and outlines the process for reviewing the Draft MND and issuing the Final MND. The City of Yucaipa is the lead agency under CEQA. A "lead agency" is defined by Section 21067 of CEQA as "the public agency which has the principal responsibility for carrying out or approving a Project which may have a significant effect upon the environment."

Environmental Review Process

This IS and Notice of Intent (NOI) to adopt a MND is being circulated for agency and public review and comment for 30 days beginning July 15, 2022. All written comments must be received by 5:30 p.m. August 15, 2022. Written comments or questions concerning this document should be directed to:

City of Yucaipa
ATTN: Christian Farmer
34272 Yucaipa Boulevard
Yucaipa, CA 92399

Detailed Project Description

The proposed Project consists of a minor amendment to the City of Yucaipa General Plan ("GPA") to change the land use designation of a split-zoned parcel (APN 0318-011-48), currently designated RS-20M (Single Residential) (1.43 acres) and CG (General Commercial) (4.5-acres), to a single land use designation of CG (General Commercial) totaling 5.93-acres a second parcel totaling 0.34 acres to remain under the current CG designation (Figure 2, Existing Land Use), a Conditional Use Permit (CUP) and Architectural Review (ARC) to permit for the construction of a secured-gated self-storage facility ("U-Stor-IT") on two parcels totaling approximately 6.25 acres and located on the west side of 11th Street, on the south side of Yucaipa Boulevard, 500 feet east of 12th Street and 470 feet north of Avenue D (Figure 1, *Project Site Aerial*). The Project proposes the construction of one (1) rental office building (968 square feet), five (5) storage buildings totaling 146,700 square feet that contain 1,208 climate controlled self-storage units, and an accessory RV storage and parking area (Figure 4, *Site Plan*).

The Project development is proposed on two (2) parcels (APNs: 0318-011-07 and -48) totaling 6.25 acres, In order to establish the Project's main driveway access off of Yucaipa Boulevard, the Project will require the demolition and removal of three commercial use buildings at 33075 Yucaipa Blvd. (APN 0318-011-07), which will then be improved with the construction of a driveway and a rental office. For emergency access requirements, a secondary driveway will be constructed off of 11th Street. For onsite stormwater quality treatment, the Project will include a 0.20-acre stormwater retention/infiltration basin capable of retaining 40,227 cubic feet of stormwater during a 100-year storm event that will be situated at the southwest corner of APN 0318-011-48. The Project's hours of operation will be between 9:30 am and 6:00 pm daily for office use with access for storage between the hours of 6:00 am and 6:00 pm Monday through Friday and 6:00 am to 5:00 pm on the weekend.

Project Setting

The Project site consists of one (1) undeveloped, disk-tilled parcel totaling 5.93 acres and one (1) commercially developed parcel totaling 0.34 acres. The Project is bordered by residences and an abandoned orchard to the west, residences to the south and east, and a commercial retail center (Yucaipa Plaza) to the north which is also adjacent to the Project's 0.34-acre developed parcel (APN 0318-011-07). The Project topography is generally flat with a slight downward slope traversing from northeast to southwest with a high point elevation of 2,180 feet at the Project's northeastern boundary, and a low point elevation of 2,149 feet at the Project's southwestern boundary. The Project site parcels, as observed from site reconnaissance, contained ruderal grass vegetation and appear to be disk graded on an annual basis for weed abatement purposes. Several remnant orchard trees (qty. 3) in a state of decay are found at the Project's southwestern boundary.

Project Construction Timing

The proposed Project is expected to begin construction in early 2023 with full buildout expected in early 2024.

Figure 1 – Project Site Aerial

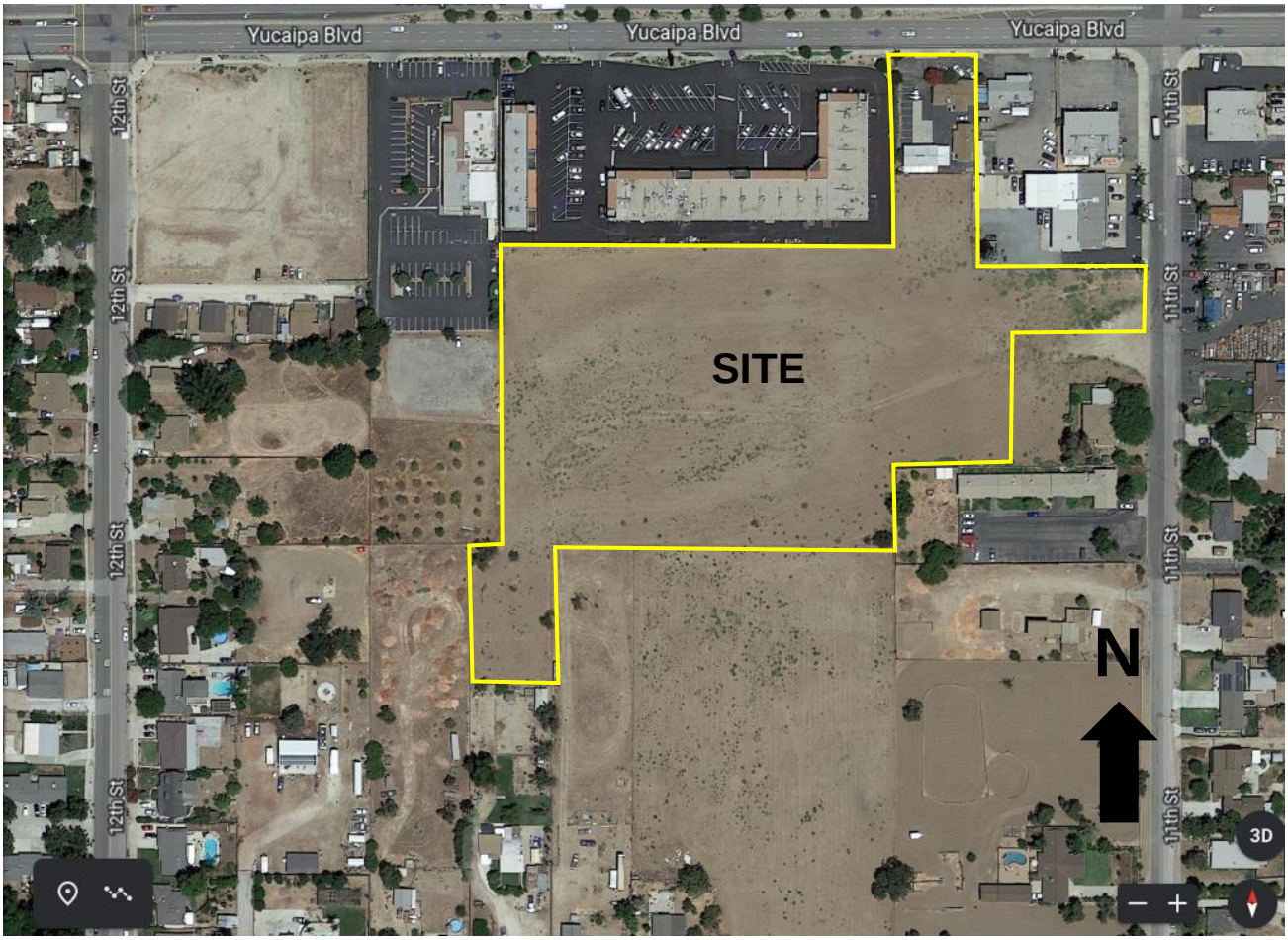


Figure 2 – Existing Land Use Designations

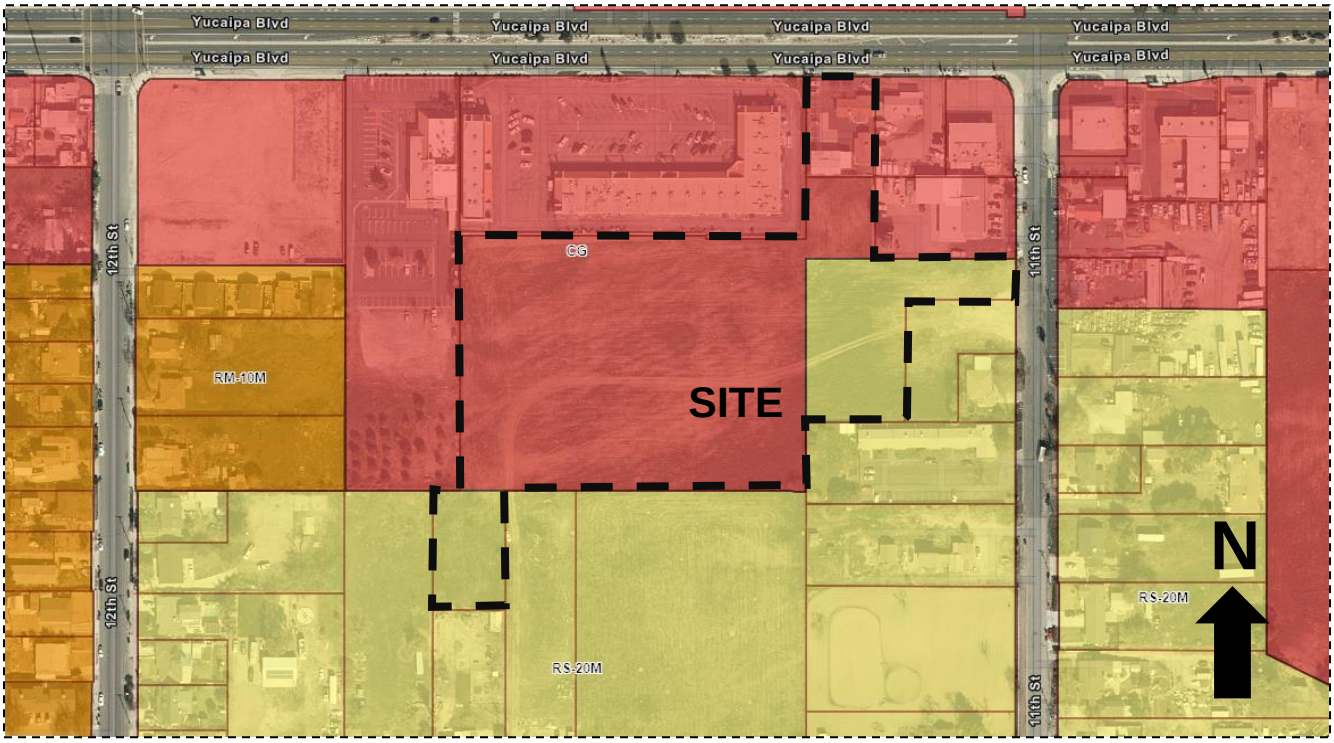


Figure 3 – Proposed Rezone Area (RS to CG)

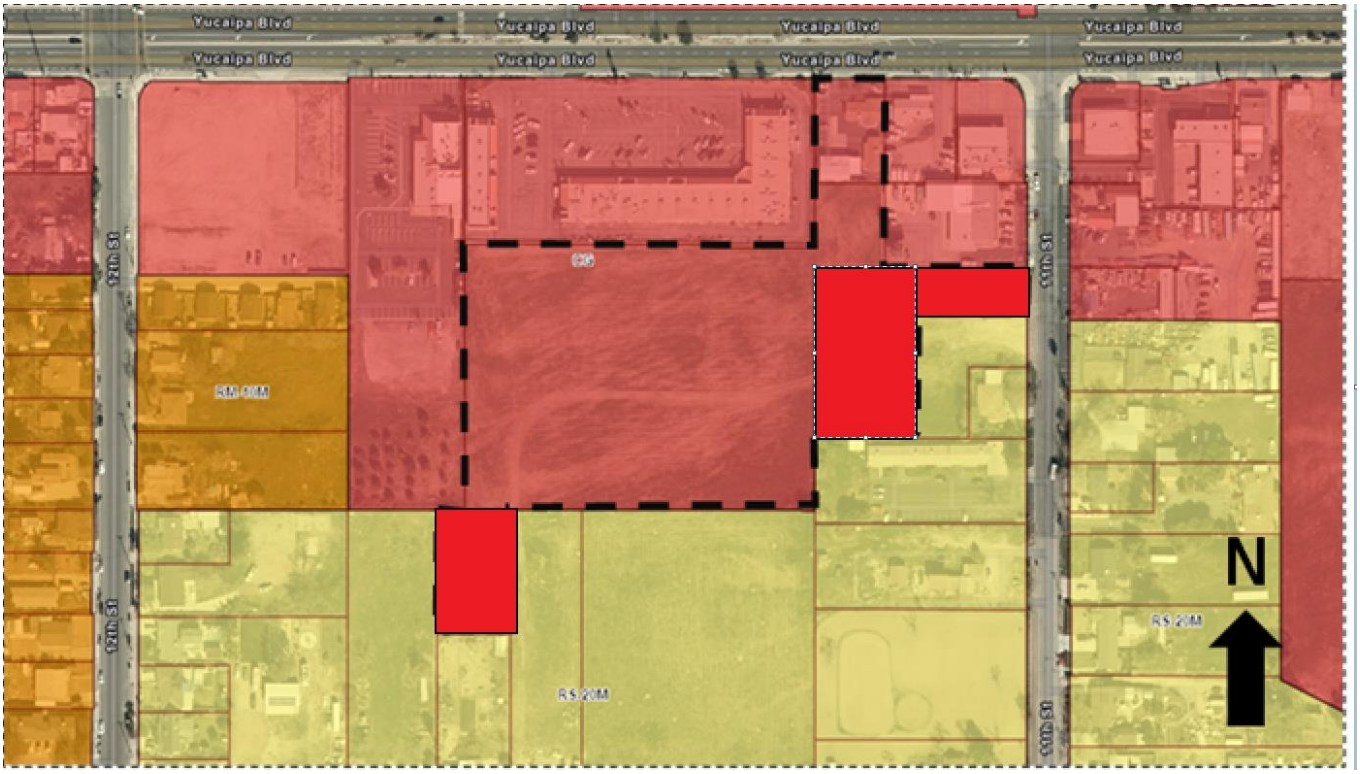
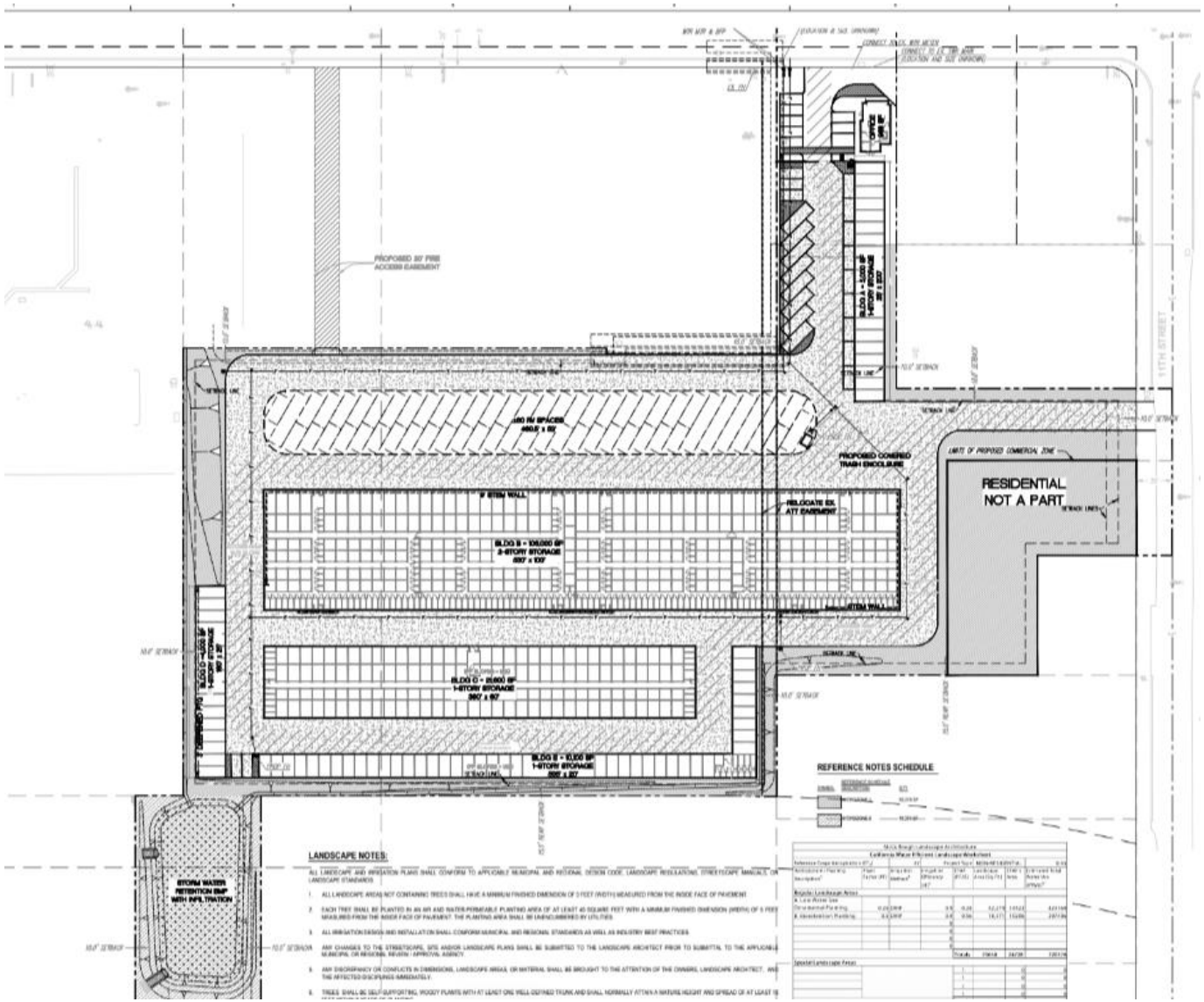


Figure 4 –Site Plan Exhibit



ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below (■) 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		Greenhouse Gases		Public Services
	Agricultural Resources		Hazards & Hazardous Materials		Recreation
	Air Quality		Hydrology/Water Quality		Transportation/Traffic
■	Biological Resources		Land Use/Planning	■	Tribal Resources
■	Cultural Resources		Mineral Resources		Utilities/Service Systems
	Energy	■	Noise		Wildfire
	Geology/Soils		Population/Housing		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.	X
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 "potential 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 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.	

Christian Farmer 7/13/2022

Signature Date

Christian Farmer

Printed Name For

1) 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.

2) 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).

3) 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: Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section 17, "Earlier Analysis," may be cross-referenced).

5) Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(d). In this case, a brief discussion should identify the following:

   (a) Earlier Analysis Used. Identify and state where they are available for review.

   (b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   (c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address 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 analysis of each issue should identify: (a) the significance criteria or threshold used to evaluate each question; and (b) the mitigation measure identified, if any, to reduce the impact to less than significance.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. **AESTHETICS.** Would the project:				
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) In nonurbanized 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?				X
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

a,c) The proposed GPA and Project will not have a substantial adverse effect on a scenic vista. Policy PR-4.7, Scenic Resources, of the City's 2016 General Plan states that the City will "Protect Yucaipa's scenic resources, including scenic corridors along roads and views of the hillsides, prominent ridgelines, canyons, and other significant natural features, to the extent practical." Resources identified in the General Plan includes the City's designated Scenic Corridors (Bryant Street, Yucaipa Boulevard, Wildwood Canyon Road, and Oak Glen Road) and the prominent hillsides, ridgelines, and open space areas that surround the City, including Crafton Hills and the San Bernardino National Forest.

Yucaipa Boulevard Views

The Project will be located close in proximity to Yucaipa Boulevard; however, the proposed location of storage buildings will not be readily visible to motorists from Yucaipa Boulevard due to the proposed buildings situated behind of the existing commercial use buildings fronting Yucaipa Boulevard. Nonetheless, the Project's proposed 19-foot tall rental office would be the most visible building and would abut Yucaipa Boulevard. As shown in Figure 5, *Rental Office Elevations*, the rental office building would incorporate architectural enhancements consisting of a raised parapet with green painted trimming, stone veneer siding, a steel framed canopy (painted green), false door panels (painted forest green), beige color stucco finish, and frontal landscaping planters. Although partially visible from Yucaipa Boulevard, Building B Storage (18 feet maximum height), would also incorporate architectural enhancements consisting of terra cotta hip roofing projections with stone veneer siding applied to loading bay and pedestrian door entries and terra cotta roofing parapet projections situated at northwest and northeast corners of the building (Figure 6, *Building B Elevations*). The proposed architectural design to both the rental office building and Building B Storage would assist in complimenting and enhancing the overall aesthetic appearance to the localized area.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

Figure 5 – Rental Office Elevations

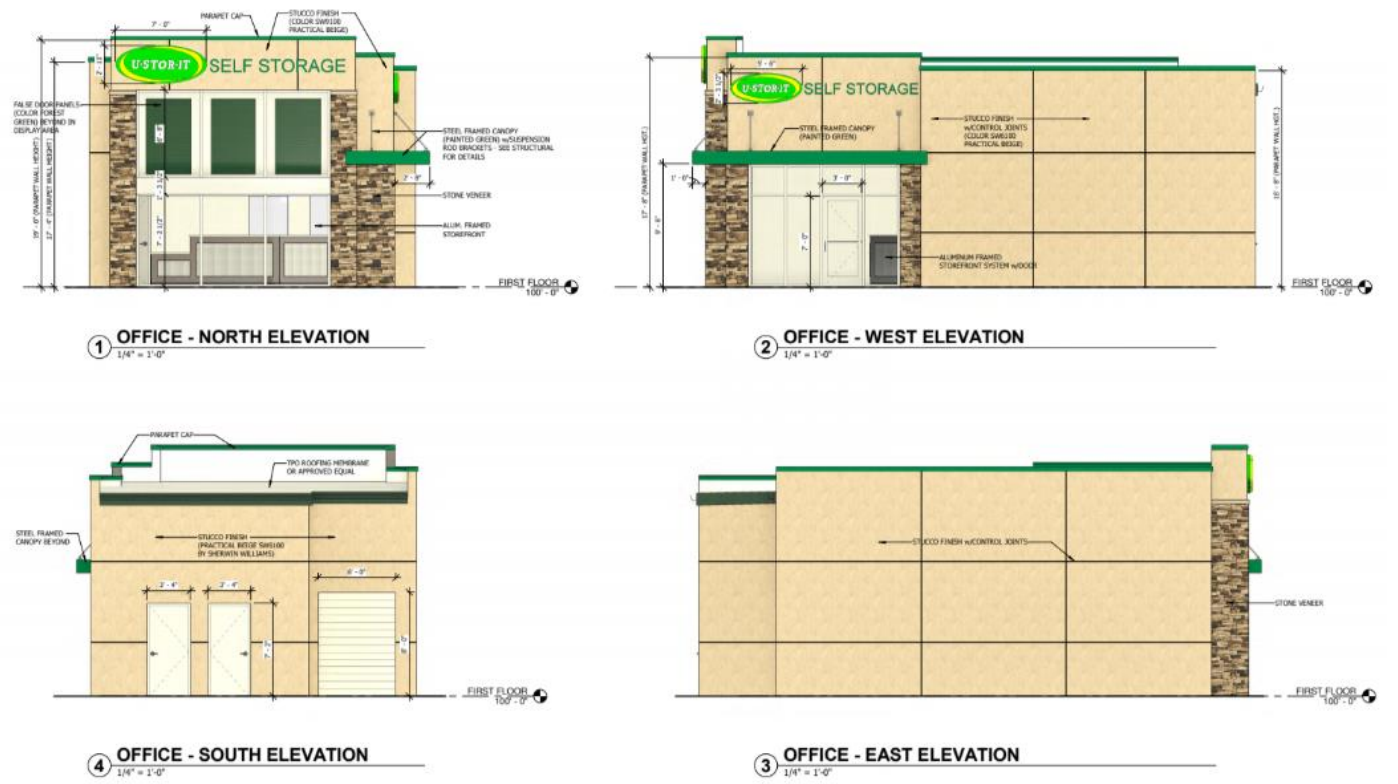


Figure 6 – Building B Elevations

North View

South View

11th Street Aesthetic Views

The Project is also located close in proximity to 11th Street; however, would not be readily visible from 11th Street as the Applicant/Landowner proposes to provide planted tree landscaping on a separately owned 0.46-acre parcel (APN 0318-011-48) fronting 11th Street. This parcel, currently designated Single Residential (RS-20M), would assist in obscuring views of the storage buildings further west within APN 0 318-011-48. The Applicant/Landowner purchased the parcel with the intent of developing the parcel under a separate project for a single-family residence.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

Planning Commission Review

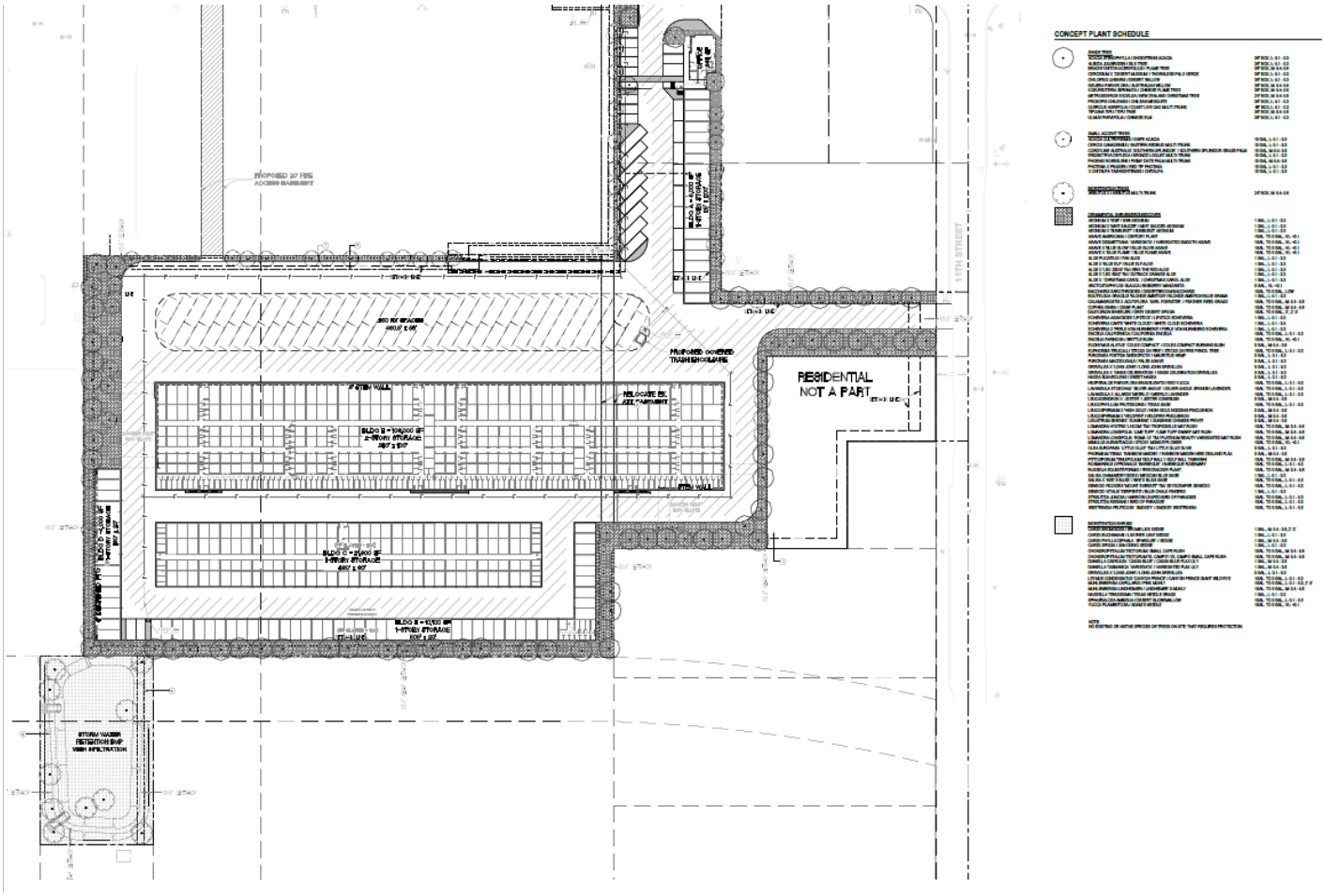
All architectural design and conceptual planted landscaping for any future Project development, including the Project, is required to be reviewed and approved by the Planning Commission prior to any construction in order to confirm that the design would be compatible and consistent with the surrounding residential and commercial character in the localized area. Therefore, Project impacts in regard to scenic vistas, visual character and applicable zoning regulations governing scenic quality would be less than significant.

b) The Project site contains no onsite protected trees, rock outcroppings or historical building structures. Furthermore, according to Caltrans Scenic Highway Program, there are no official state designated scenic highways that exist within the City of Yucaipa. A portion of State Route 38 passes through the City of Yucaipa, and is an eligible state scenic highway that has not been officially designated; however, this section of roadway is located approximately five miles north from the proposed Project site. The City of Yucaipa has designated Bryant Street, Yucaipa Boulevard, Wildwood Canyon Road, and Oak Glen Road as scenic corridors within the City. As described, the proposed Project would be near in in proximity to Yucaipa Boulevard, however, would incorporate architectural enhancements to its rental office building that would enhance and the overall aesthetic appearance to the localized area. As such, the proposed Project would have a less than significant effect on scenic vistas.

d) The proposed Project would result in new sources of nighttime lighting, including, but not limited to onsite security lighting and building-mounted lighting for the proposed rental office building and storage buildings. The Project will be required to comply with the City's Development Code, which contains property development and general design standards to ensure that new development will not have a negative impact upon surrounding land uses. This includes the requirement that any proposed outdoor lighting for the Project shall be shielded to minimize light spillage to adjacent properties. Substantiated through the Architectural Review process, the southeast, southern, and western perimeter of the Project boundary will be developed with drought-tolerant trees to minimize light spillage onto neighboring areas (Figure 7, *Conceptual Landscape Plan*). Therefore, impacts related to light and glare will be less than significant through compliance with the Development Code.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

Figure 7– Conceptual Landscaping



2. **AGRICULTURE 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 Dept. 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:				
a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X

a-b) According to the State Dept. of Conservation Important Farmland Map, San Bernardino County 2014, Sheet 2 of 2, the proposed Project site is designated "Urban and Built-up Land" and does not contain any prime, unique, or important farmland. In addition, there are no active Williamson Act contracts within the City of Yucaipa. The City of Yucaipa utilizes a "one map system" in which the General Plan Land Use Designations and Zoning Categories are the same and combined onto one map. The property is currently designated as Single Residential and General Commercial, neither of which are agricultural or forest land designations, and no agricultural activities occur onsite. The proposed GPA and the proposed Project would not conflict with zoning for an agricultural use or a Williamson Act contract, and would not convert farmland to a non-agricultural use.

c-d) No forest land or timberland is located within the Project site. No impact would occur.

e) As noted in items a-d above, the area is designated "Urban and Built-up Land" and no portions of the area are currently farmed nor subject to Williamson Act contracts. In addition, no portion of the area is located within a forest area. As such, the proposed Project would not affect these resources.

3. **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 project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
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?			X	
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			X	
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			X	

a, c) Air quality plans describe air pollution control strategies to be implemented by a city, county, or regional air district. The primary purpose of the air quality plans is to bring an area that does not attain federal and state air quality standards into compliance with those standards pursuant to the requirements of the Clean Air Act and California Clean Air Act. A consistency determination plays an important role in local agency Project review by linking local planning and individual Projects to the applicable air quality plan.

The proposed Project is within the South Coast Air Basin (Basin), and the South Coast Air Quality Management District (SCAQMD) is the agency principally responsible for comprehensive air pollution control in the Basin. SCAQMD is directly responsible for reducing emissions from stationary (area and point), mobile, and indirect sources, and responded to this requirement by preparing the 2016 Air Quality Management Plan (AQMP), an air quality management plan covering all portions of the Basin.

The regional emissions inventory for the South Coast Air Basin was compiled by SCAQMD, the San Bernardino Association of Governments (SANBAG), and the Southern California Association of Governments (SCAG), and is used for the AQMP. Regional population, housing, and employment projections are based, in part, on the City's General Plan land use designations. The GPA proposes to change the land use designation of a 5.93-acre split-zoned parcel (APN 0318-011-48), currently designated as RS-20M (Single Residential) (1.43 acres) and CG (General Commercial) (4.5-acres), to a single land use designation of CG (General Commercial) (5.93 acres) and to change the land use designation of a 0.46-acre

parcel (APN 0318-011-47) from an RS-20M (Single Residential) to a CG (General Commercial) designation. The Project is located on the west side of 11th Street, on the south side of Yucaipa Boulevard, 500 feet east of 12th Street and 470 feet north of Avenue D.

The SCAQMD CEQA Handbook states that "New or amended General Plan Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." A proposed Project should be considered to be consistent with the AQMP if it furthers one or more policies and does not obstruct other policies. The SCAQMD CEQA Handbook identifies two key indicators of consistency:

(1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

(2) Whether the project will exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Based on the air quality modeling analysis that has been completed (Appendix A), neither short-term construction, nor long-term operation of the proposed Project will result in significant impacts based on SCAQMD regional and local thresholds of significance (See Table 1, *Expected Construction Emissions Summary* and Table 2, *Expected Annual Construction CO_2e Emissions Summary MT/Year)*. The proposed Project is not projected to contribute to the exceedance of any air pollutant concentration standards and is found to be consistent with the AQMP for the first criterion.

Furthermore, the proposed Project is not anticipated to substantially exceed the AQMP assumptions for the Project site and is consistent with the AQMP for the second criterion because the Project site currently has a residential and commercial General Plan designation, and that the proposed change in General Plan Land Use Designation for the 5.93-acre split zoned parcel (APN 0318-011-48) to a CG (General Commercial) designation will not substantially change the residential or commercial nature of the designation. The proposed Project is for a non-residential, self-storage facility and would not result in a net increase of dwelling units and would not result in a substantial change of the built-out projection for the City and would represent a fractional change to the entire SCAB area. Based on the above, the proposed Project will not result in an inconsistency with the SCAQMD AQMP. Therefore, the Project will not conflict with or obstruct the implementation of the 2022 AQMP, and a less than significant impact will occur

b) The proposed Project would result in the development of approximately 6.73 acres for the development of a self-storage facility. To quantify project-related impacts, the proposed Project was evaluated utilizing the CalEEMod version 2020.4.0 air quality modeling program for this MND, using very conservative parameters for its assessment. The results of air quality modeling analysis for construction and operational emissions are as follows:

Table 1: Expected Construction Emissions Summary

Year	ROG	NO_x	CO	SO_2	PM_{10} (Dust)	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Dust)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
2023 (lb/day)	36.26	19.11	25.28	0.05	7.87	0.17	8.01	3.99	0.17	4.14
2024 (lb/day)	37.16	28.66	42.63	0.07	1.87	0.26	2.13	0.50	0.26	0.76
Significance Threshold (lb/day)	**75**	**100**	**550**	**150**	**-**	**-**	**150**	**-**	**-**	**55**

Exceeds Screening Threshold	**No**	**No**	**No**	**No**	**-**	**-**	**No**	**-**	**-**	**No**

Source: *Air Quality Assessment U-Store-It Self Storage Development City of Yucaipa, CA,* Table 4-1, p. 16, Ldn Consulting Inc., April 12, 2022.

Table 2: Expected Annual Construction CO_2e Emissions Summary MT/Year

	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Summer Scenario						
Area Source Emission Estimates (Lb/Day)	3.35	0.00	0.03	0.00	0.00	0.00
Energy Source Emissions (Lb/Day)	0.01	0.08	0.07	0.00	0.01	0.01
Operational Vehicle Emissions (Lb/Day)	0.94	1.31	10.13	0.02	2.34	0.64
Total (Lb/Day)	**4.30**	**1.39**	**10.22**	**0.02**	**2.35**	**0.64**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Winter Scenario						
Area Source Emission Estimates (Lb/Day)	3.35	0.00	0.03	0.00	0.00	0.00
Energy Source Emissions (Lb/Day)	0.01	0.08	0.07	0.00	0.01	0.01
Operational Vehicle Emissions (Lb/Day)	0.83	1.39	8.96	0.02	2.34	0.64
Total (Lb/Day)	**4.19**	**1.47**	**9.05**	**0.02**	**2.35**	**0.64**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Air Quality Assessment U-Store-It Self Storage Development City of Yucaipa, CA, Table 4-3, p. 17, Ldn Consulting Inc., April 12, 2022.

Construction related impacts would be reduced by the appropriate dust control measures implemented during each phase of development, as required by SCAQMD Rule 403 - Fugitive Dust. The requirements of Rule 403 would be conditioned for the Project to include, but not be limited to, applying water to all graded soils three-times daily to prevent the generation of visible dust plumes, applying soil binders to uncovered areas, reestablishing ground cover as quickly as possible, utilizing a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site and utilizing 100 percent Tier 3 or better diesel construction equipment during construction operations. Engineering Department specific Conditions of Approval for any future development proposals would include provisions for Rule 403 that will apply during grading and building activities to minimize fugitive dust. Other SCAQMD rules would also apply, such as Rule 1113 for low VOC paints and materials. Operational impacts would be minimized by adherence to the Building Code and Title 24 requirements. As such, impacts would be less than significant.

d, e) The Project site is adjacent to residences to the southeast, which are considered to be sensitive receptors by the City's General Plan. During site construction activities associated with the self-storage development, there may be some level of odor exposure resulting from asphalt paving and access roadway improvements activities. However, the limited duration and area involved in paving activities would not result in significant levels of odors affecting a substantial number of people,

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

as there are a relatively limited number of residences in the direct vicinity of the site. In addition, the operations of the self-storage facility do not include materials or uses that would create substantial odors. As such, impacts would be less than significant.

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

a-c, e, f) The Project site is located within an urbanized area of the City of Yucaipa. The Project site is not identified or included in Figure PR-5, *Wildlife Corridors* of the General Plan. A visual site investigation conducted by Staff confirmed that the Project site has been disturbed through continuous disk grading of the property on an annual basis and does not feature any candidate, sensitive, or special status species; riparian habitat or other sensitive natural community; wetlands; and wildlife corridors. The property also does not feature Coastal Live Oak Trees, which are protected by the City of Yucaipa.

d) The Migratory Bird Treaty Act (MBTA) implements international treaties between the United States and other nations devised to protect migratory birds, their parts, eggs, and nests from activities such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations or by permit. The state of California has incorporated the protection of birds of prey in California Fish and Game Code (CFGC) Sections 3800, 3513, and 3503.5. All raptors and their nests are protected from take or disturbance under the MBTA (16 United States Code [USC] Section 703 et seq.) and California statute (CFGC Section 3503.5).

The Project site contains several trees along the Project boundary that would be removed prior to grading and thus could have a potential impact on nesting birds if present on the Project site at the time of grading and construction. Implementation of Mitigation Measure BIO-1, which requires a preconstruction nesting bird clearance survey to determine the presence/absence, location, and status of any active nests on or adjacent to the Project site, would reduce potential impacts to nesting and migratory birds to less than significant by limiting the removal of trees, shrubs, or any other potential nesting habitat to outside the avian nesting season, which generally extends from February 1 through August 31. If the nesting bird clearance survey indicates the presence of nesting birds, Mitigation Measure BIO-1 requires buffers to ensure that any nesting birds are protected pursuant to the MBTA. Impacts for both sensitive wildlife species and migratory birds would be less than significant with mitigation incorporated.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

Mitigation Measures:

BIO-1 Prior to release of grading permits, the Applicant shall contract with a qualified biologist to conduct a preconstruction general nesting bird survey within all suitable nesting habitats that may be impacted by active construction during general avian breeding season (February 1 through August 31). The preconstruction surveys shall be conducted no more than 7 days prior to initiation of construction. If no active avian nests are identified within the proposed development project area or within a 300-foot buffer of the proposed development project area, no further mitigation is necessary. If active nests of avian species covered by the MBTA are detected within the proposed development project area or within a 300-foot buffer of the proposed development project area, construction shall be halted until the young have fledged, until a qualified biologist has determined the nest is inactive, or until appropriate mitigation measures that respond to the specific situation have been developed and implemented in consultation with the regulatory agencies. Based on the discretion of the qualified biologist, the 300-foot buffer may be expanded as appropriate to the species.

With adherence to Mitigation Measure BIO-1, the proposed Project would not conflict with any local policies or ordinances relating to biological resources, and no Habitat Conservation Plans, Natural Community Conservation Plans, or other approved plans apply to the site. Therefore, the proposed Project would have no effect on biological resources.

5. **CULTURAL RESOURCES**. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resources pursuant to Section 15064.5?		X		
c) Disturb any human remains, including those interred outside of formal cemeteries?		X		

a) The proposed GPA is located on three (3) undeveloped graded parcels totaling 6.73 acres bordered by residences and an abandoned orchard consisting of twenty-five trees to the west, residences to the south and east, and a commercial retail center (Yucaipa Plaza) to the north. No structural homes or buildings of historical significance are located within the parcels and as such, no impact would occur.

b) Figure PR-6 of the City's General Plan identifies that the subject site as being located within a Cultural Sensitivity Area. The proposed Project consists of a GPA to change the land use designation of a 5.93-acre split-zoned parcel (APN 0318-011-48), currently designated as RS-20M (Single Residential) (1.43 acres) and CG (General Commercial) (4.5-acres), to a single land use designation of CG (General Commercial) (5.93 acres) and to change the land use designation of a 0.46-acre parcel (APN 0318-011-47) from an RS-20M (Single Residential) to a CG (General Commercial) designation. In addition, a CUP and ARC have been submitted to permit for the construction of a secured-gated self-storage facility situated on three (3) parcels totaling approximately 6.73 acres and located on the west side 11th Street, on the south side of Yucaipa Boulevard, 500 feet east of 12th Street and 470 feet north of Avenue D.

Consultation with local tribes, pursuant to SB18 and AB 52, is required for the proposed Project, and additional details are included within the Tribal resources section of this MND. In accordance with AB 52 and SB 18 requirements, the City sent invitation letters to representatives of the Native American contacts provided by the NAHC on March 22, 2018, formally inviting tribes to consult with the City on the GPA. The intent of the consultations is to provide an opportunity for interested Native American contacts to work together with the City during the project planning process to identify and protect tribal cultural resources. A response letter was received from the Agua Caliente Band of Cahuilla Indians and Quechan Indian Tribe requesting consultation, which concluded on April 4, 2022 and July 1, 2022 respectively. Letters were also received from Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians) noting that monitors qualified in tribal resourced should be used as part of the development of the Project.

As a result of the consultation efforts, mitigation measures CUL-1, TCR-1, TCR-2, and TCR-3 have been developed for the Project and are included as part of the proposed Project's Condition of Approval. Incorporation of the mitigation measures will ensure a less than significant impact.

Mitigative Measures:

CUL-1 Archaeological Monitoring

- Due to the heightened cultural sensitivity of the proposed project area, an archaeological monitor with at least 3 years of regional experience in archaeology shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of archaeological monitors shall be present each workday to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist and submitted to the Lead Agency for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and approve the plan, it shall be adopted by the Lead Agency – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.

TCR-1 Tribal Monitoring

- Due to the heightened cultural sensitivity of the proposed project area, Tribal monitors representing the San Manuel Band of Mission Indians shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of Tribal monitors shall be present each workday to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist, as detailed within CUL-1, and submitted to the Lead Agency for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and agree to the plan, it shall be adopted by the Lead Agency – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.

TCR-2 Treatment of Cultural Resources

- If a pre-contact cultural resource is discovered during archaeological presence/absence testing, the discovery shall be properly recorded and then reburied *in situ.* A research design shall be developed by the archaeologist that shall include a plan to evaluate the resource for significance under CEQA criteria. Representatives from the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI), the archaeologist/applicant, and the Lead Agency shall confer regarding the research design, as well as any testing efforts needed to delineate the resource boundary. Following the completion of evaluation efforts, all parties shall confer regarding the archaeological significance of the resource, its potential as a Tribal Cultural Resource (TCR), avoidance (or other appropriate treatment) of the discovered resource, and the potential need for construction monitoring during project implementation. Should any significant resource and/or TCR not be a candidate for avoidance or preservation in place, and the removal of the resource(s) is necessary to mitigate impacts, the research design shall include a comprehensive discussion of sampling strategies, resource processing, analysis, and reporting

protocols/obligations. Removal of any cultural resource(s) shall be conducted with the presence of a Tribal monitor representing the Tribe, unless otherwise decided by SMBMI. All plans for analysis shall be reviewed and approved by the applicant and SMBMI prior to implementation, and all removed material shall be temporarily curated on-site. It is the preference of SMBMI that removed cultural material be reburied as close to the original find location as possible. However, should reburial within/near the original find location during project implementation not be feasible, then a reburial location for future reburial shall be decided upon by SMBMI, the landowner, and the Lead Agency, and all finds shall be reburied within this location. Additionally, in this case, reburial shall not occur until all ground-disturbing activities associated with the project have been completed, all monitoring has ceased, all cataloguing and basic recordation of cultural resources have been completed, and a final monitoring report has been issued to Lead Agency, CHRIS, and SMBMI. All reburials are subject to a reburial agreement that shall be developed between the landowner and SMBMI outlining the determined reburial process/location and shall include measures and provisions to protect the reburial area from any future impacts (vis a vis project plans, conservation/preservation easements, etc.).

- Should it occur that avoidance, preservation in place, and on-site reburial are not an option for treatment, the landowner shall relinquish all ownership and rights to this material and confer with SMBMI to identify an American Association of Museums (AAM)-accredited facility within the County that can accession the materials into their permanent collections and provide for the proper care of these objects in accordance with the 1993 CA Curation Guidelines. A curation agreement with an appropriate qualified repository shall be developed between the landowner and museum that legally and physically transfers the collections and associated records to the facility. This agreement shall stipulate the payment of fees necessary for permanent curation of the collections and associated records and the obligation of the Project developer/applicant to pay for those fees.

- All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the archaeologist and submitted to the Lead Agency and SMBMI for their review and comment. After approval from all parties, the final reports and site/isolate records are to be submitted to the local CHRIS Information Center, the Lead Agency, and SMBMI.

TCR-3 Inadvertent Discoveries of Human Remains/Funerary Objects

- In the event that any human remains are discovered within the project area, ground disturbing activities shall be suspended 100 feet around the resource(s) and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. The on-site lead/foreman shall then immediately who shall notify SMBMI, the applicant/developer, and the Lead Agency. The Lead Agency and the applicant/developer shall then immediately contact the County Coroner regarding the discovery. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c). The NAHC-identified Most Likely Descendant (MLD), shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and funerary objects shall be treated and disposed of with appropriate dignity. The MLD, Lead Agency, and landowner agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes. The MLD shall complete its inspection and make recommendations within forty-eight (48) hours of the site visit, as required by California Public Resources Code § 5097.98.

- Reburial of human remains and/or funerary objects (those artifacts associated with any human remains or funerary rites) shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The MLD in consultation with the landowner, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains and funerary objects. All parties are aware that the MLD may wish to

rebury the human remains and associated funerary objects on or near the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The applicant/developer/landowner should accommodate on-site reburial in a location mutually agreed upon by the Parties.

- It is understood by all Parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, 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).

- Should human remains be discovered during construction of the proposed project, the project contractor would be subject to either the State law regarding the discovery and disturbance of human remains or the Tribal burial protocol. In either circumstance all destructive activity in the immediate vicinity shall halt and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5. If the remains are determined to be of Native American origin, the Native American Heritage Commission (NAHC) shall be contacted. The NAHC will make a determination of the Most Likely Descendent (MLD). The City and Developer will work with the designated MLD to determine the final disposition of the remains.

c) Figure PR-6 of the City's General Plan identifies that the subject site is not located within a Paleontological Resource Sensitivity Area. Additionally, consistent with State law, if at any time during grading human remains are found, the Project is to be conditioned to halt work and contact made with the San Bernardino County Coroner's Office. Standard Conditions of Approval are included pertaining to State Health and Safety Code Section 7050.5. In addition, any discoveries of remains would also be assessed to determine if they are of Native American origin, which is further discussed within the tribal resources section of this MND. In addition, TCR-2 and TCR-3 detail the mitigative measures associated with any inadvertent discovery of remains or tribal resources. Measures TCR-2 and TCR-3 are included to reduce impacts to a less than significant level.

6. **ENERGY**. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?				X
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

a) This impact analysis focuses on the three sources of energy that are relevant to the proposed project: electricity, natural gas, and transportation fuel for vehicle trips associated with project operations as well as the fuel necessary for project construction. The analysis of electricity/natural gas usage is based on the CalEEMod modeling within the Air Quality Study, which quantifies energy use for occupancy. The project's estimated electricity and natural gas consumption is based primarily on CalEEMod's default settings for San Bernardino County, and consumption factors provided by Southern California Edison (SCE) and Southwest Gas Corporation, the electricity and natural gas provider for the project site, respectively.

Project Construction Energy Consumption

As described in the Energy Analysis (Appendix C), energy consumption estimates for construction was based on the estimated construction kickoff starting in the summer of 2022, followed by completion of the Project four months later. Based on the equipment, quantity, work time and Horsepower (HP), the Project would require a total of 179,124 horsepower per hour (hp-h). Based on this, the project would consume roughly 10,856 gallons of diesel for construction. It should be noted that fuel consumption would go up if diesel construction equipment is poorly maintained. Based on

this, the Project will be conditioned by the City to have all motorized equipment to be properly maintained per manufacture recommendations.

Construction emissions from workers, vendors and hauling trips are based on the estimated vehicle miles traveled (VMT) for the total construction duration which is estimated at 133,331 miles. In California, the average fuel intensity for on-road vehicles is 0.0615 gal/mile. Based on this, the vehicular trips would consume roughly 8,200 gallons total during construction.

Construction equipment used over the approximately sixteen-month construction phase would conform to CARB regulations and California emissions standards and is evidence of related fuel efficiencies. There are no unusual project characteristics or construction processes that would require the use of equipment that would be more energy intensive than is used for comparable activities; or equipment that would not conform to current emissions standards (and related fuel efficiencies). Equipment employed in construction of the project would therefore not result in inefficient wasteful, or unnecessary consumption of fuel.

The Project would utilize construction contractors which practice compliance with applicable CARB regulation regarding retrofitting, repowering, or replacement of diesel off-road construction equipment. Additionally, CARB has adopted the Airborne Toxic Control Measure to limit heavy-duty diesel motor vehicle idling in order to reduce public exposure to diesel particulate matter and other Toxic Air Contaminants. Compliance with these measures would result in a more efficient use of construction-related energy and would minimize or eliminate wasteful or unnecessary consumption of energy. Idling restrictions and the use of newer engines and equipment would result in less fuel combustion and energy consumption.

Project Operational Energy Consumption

Energy consumption in support of or related to Project operations would include transportation energy demands (energy consumed by employee and patron vehicles accessing the project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

Fuel Consumption

As described in the Energy Analysis, the Project, at full buildout, would generate approximately 257 daily trips of which roughly 8% would be primary trips and the remainder of those trips would be either from diverted or from pass-by trips. With this estimate, approximately 67,737 gallons of motor vehicle fuel would be consumed annually.

Electrical and Gas Consumption

Building operation, security and onsite maintenance (including landscape maintenance) would result in the consumption of electricity (provided by Southern California Edison) and natural gas (provided by Southern California Gas Company).

As shown in the Energy Analysis, the estimated electricity demand for the proposed project is approximately 380,184 kilowatt hours (kWh) per year. In 2019, the residential sector of the County of San Bernardino consumed approximately 5,054 million kWh of electricity. In addition, the estimated natural gas consumption for the proposed project is approximately 296,877 kilocalorie to British Thermal Unit (kBTU) per year. In 2019, the residential sector of the County of San Bernardino consumed approximately 275million therms of gas. Therefore, the increase in both electricity and natural gas demand from the proposed project is insignificant compared to the County's 2019 residential sector demand.

b) The proposed Project will not conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Regarding the State's Energy Plan and compliance with Title 24 CCR energy efficiency standards, the proposed Project will be required to comply with the California Green Building Standard Code requirements for energy efficient buildings

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

and appliances as well as utility energy efficiency programs implemented by Southern California Edison and Southern California Gas Company.

Regarding Pavley (AB 1493) regulations, an individual project does not have the ability to comply or conflict with these regulations because they are intended for agencies and their adoption of procedures and protocols for reporting and certifying GHG emission reductions from mobile sources. However, the vehicles associated with the proposed Project would be required to comply with federal and state fuel efficiency standards.

Regarding the State's Renewable Energy Portfolio Standards, the project would be required to meet or exceed the energy standards established in the California Green Building Standards Code, Title 24, Part 11 (CALGreen). CALGreen Standards require that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. Therefore, impacts in regard to the project in conflicting with or obstructing a state or local plan for renewable energy would be less than significant.

7. **GEOLOGY AND SOILS**. Would the project:				
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.				X
(ii) Strong seismic ground shaking?			X	
(iii) Seismic-related ground failure, including liquefaction?			X	
(iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?				X
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?				X
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?				X
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				

a)

i-iv). The Project site does not lie within the boundaries of an Earthquake Fault Zone as defined by the State of California Alquist-Priolo Earthquake Fault Zoning Act. However, Southern California is a seismically active area. As such, seismic shaking may occur, and seismic ground shaking and ground rupture due to movement of a fault is a potential hazard in Yucaipa. The Project will be required to comply with the Yucaipa Municipal Code and the Building Code, which is designed to mitigate earthquake hazards. The Uniform Building Code (UBC) has identified groundwater within 50 feet of the surface as a potential problem for seismic-related ground failure, including liquefaction. According to the Yucaipa General Plan, ground water can vary within the City from depths lower than 300 feet below surface elevation to as close as 40 feet. Based upon information contained within the Yucaipa General Plan, Yucaipa Valley Water District, and the San Bernardino Municipal Valley Water District, the depth to ground water at the subject property and the surrounding Western Heights Sub-Basin is approximately 350 feet with groundwater in the surrounding area between 88 and 344 feet below the surface according to the Geotechnical Report (Appendix D). Due to the depth of groundwater, the potential for liquefaction near the subject area is

considered minimal. The project site is also generally flat with a slight downward slope traversing from northeast to southwest and surrounded by relatively flat land and is therefore not susceptible to seismically induced landslides.

b) The project site is not traversed by any USGS identified drainage courses. The project would be required to prepare and implement all National Pollutant Discharge Elimination System (NPDES) permit requirements and appropriate BMPs (Best Management Practices) through a Storm Water Pollution Prevention Plan (SWPPP) and Water Quality Management Plan (WQMP). These plans are a standard condition for projects over one (1) acre in size and are intended to minimize soil erosion and prevent the off-site discharge of pollutants. Compliance with these provisions would ensure less than significant impacts for any future residential project.

c) See above items 6 (a) and (b). Due to the depth of groundwater and relatively flat terrain of where the proposed use is to be located, the potential for liquefaction or landslide is minimal.

d) The area subject to the GPA is not identified as being within the City's Geologic Hazard Overlay as shown on General Plan Exhibit S-1, and is not expected to be susceptible to landslides and related phenomenon. The site is relatively flat, and is not located adjacent to any unstable areas, such as steep hillsides. As such, the proposed project would not impact a geologic unit or soil that is unstable and would not cause such an area to become unstable as a result of the project.

e) The property is located adjacent to an existing Yucaipa Valley Water District sewer line. The proposed development would be conditioned to connect to the District's infrastructure, and the use of septic tanks would not be required.

8. **GREENHOUSE GAS EMISSIONS.** Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

a) Constituent gases of the Earth's atmosphere, called atmospheric greenhouse gases (GHG), play a critical role in the Earth's radiation amount by trapping infrared radiation emitted from the Earth's surface, which otherwise would have escaped to space. Prominent greenhouse gases contributing to this process include carbon dioxide (CO2), methane (CH4), ozone, water vapor, nitrous oxide (N2O), and chlorofluorocarbons (CFCs). This phenomenon, known as the Greenhouse Effect, is responsible for maintaining a habitable climate. Anthropogenic (caused or produced by humans) emissions of these greenhouse gases in excess of natural ambient concentrations are responsible for the enhancement of the Greenhouse Effect and have led to a trend of unnatural warming of the Earth's natural climate, known as global warming or climate change.

To determine whether if the project's GHG emissions are significant, the Greenhouse Gas Assessment (Appendix B) utilized the SCAQMD draft screening threshold of 3,000 $MTCO_2e$ per year for all land uses. CalEEMod Version 2020.4.0 was used to calculate the GHG emissions from the proposed Project.

Once construction is completed the proposed project would generate GHG emissions from daily operations which would include sources such as Area, Energy, Mobile, Waste and Water uses, which are also calculated within CalEEMod. Area Sources include consumer products, landscaping and architectural coatings as part of regular maintenance. GHG emissions from Energy sources would be from uses such as electricity and natural gas. Finally, mobile or transportation related emissions are calculated in CalEEMod through the use of EMFAC2017 and is based on standard trip generation rates encoded into the model.

Based on the CalEEMod analysis, the proposed project buildout with annualized construction emissions would generate 675.18 MT CO_2e annually, which is shown in Table 3, *Expected Operational Emissions Summary MT/Year*. Based on this, the Project would generate fewer emissions than the requisite 3,000 MT CO_2e per year for the mixed-development screening threshold. In addition, it should also be noted that the Project would also generate fewer emissions than the smallest residential screening threshold of 3,000 MT CO_2e. Based on this, the storage Project would have a less than significant GHG impact and that no mitigation is required.

Table 3: Expected Operational Emissions Summary MT/Year

Year	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.01	0.01	0.00	0.00	0.01
Energy	0.00	83.27	83.27	0.01	0.00	83.71
Mobile	0.00	370.94	370.94	0.02	0.02	376.75
Waste	28.18	0.00	28.18	1.67	0.00	69.82
Water	10.84	78.87	89.71	1.12	0.03	125.77
Amortized Construction Emissions[1]						**19.12**
Total Operations						**675.18**

Source: *Greenhouse Gas Assessment U-Store-It Self Storage Development City of Yucaipa*, CA, Table 5-2, p. 19, Ldn Consulting Inc., April 12, 2022.

Notes:

1. Expected Construction emissions are based upon CalEEMod modeling assumptions for equipment and durations listed in Table 4-1 of the Greenhouse Gas Assessment. Data is presented in decimal format and may have rounding errors.

b) The proposed Project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. The City adopted the *City of Yucaipa Climate Action Plan* (CAP) in September 2015. The CAP presents the greenhouse gas (GHG) inventories, identifies the effectiveness of California initiatives to reduce GHG emissions, and identifies local measures that were selected by the City to reduce GHG emissions under the City's jurisdictional control to achieve the City's identified GHG reduction target. The City of Yucaipa participated in the *San Bernardino County Regional Greenhouse Gas Reduction Plan* which presents the collective results of all local efforts to reduce GHG emissions consistent with statewide GHG targets expressed in Assembly Bill (AB) 32, the "Global Warming Solutions Act of 2006" and Senate Bill (SB) 375. The City has selected a goal to reduce their community GHG emissions by 15% below 2008 baseline levels by the year 2020.

Because the City's CAP thresholds are currently based on the year 2020, and that the proposed Project is to be operational in early 2024, a comparison analysis was required to determine consistency between the City's CAP as well as the as well as the CARB Scoping Plan. The procedures for evaluating GHG impacts and determining significance for CEQA purposes are streamlined by (1) applying an emissions level that is determined to be less than significant for small projects, and (2) utilizing Screening Tables to mitigate project GHG emissions that exceed the threshold level. That CAP states that a threshold level of 3,000 MTCO2e per year will be used to identify projects that require the use of Screening Tables or a project-specific technical analysis to quantify and mitigate project emissions.

At a net level of 675.18 MTCO2e per year, the project's GHG emissions do not exceed the SCAQMD threshold 3,000 MTCO2e per year for all land uses and would be in compliance with the reduction goals of the City's CAP, CARB Scoping Plan, AB-32, SB-32 and, does not need to accrue points through the CAP's Screening Tables. Furthermore, the project

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

will comply with applicable Green Building Standards and City of Yucaipa's policies regarding sustainability (as dictated by the City's General Plan). Therefore, impacts in this regard are less than significant.

9. **HAZARDS AND HAZARDOUS MATERIALS.** Would the project?				
a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				X
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school				X
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code § 65962.5 and, as a result, would it create a significant hazard to the public or the environment?			X	
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	

a-d) The GPA would permit for commercial development consistent with the proposed CG land use designation, and allow for self-storage facility uses. It is not anticipated that a self-storage project would directly involve the routine transport of hazardous materials; however, equipment used at the site during construction activities could utilize substances considered by regulatory bodies as hazardous, such as diesel fuel and gasoline from typical construction equipment, and would therefore have the potential to discharge hazardous materials during construction. These types of materials are not acutely hazardous, and all storage, handling, use, and disposal of these materials are regulated by federal and state requirements, for which the project construction activities would be required to strictly adhere to. These regulations include: the federal Occupational Safety and Health Act and Hazardous Materials Transportation Act; Title 8 of the California Code of Regulations (CalOSHA), and the state Unified Hazardous Waste and Hazardous Materials Management Regulatory Program. This amount of hazardous material discharge during construction is expected to be less than significant, and that the Project would be required to comply with applicable laws, ordinances and procedures, and impacts would be less than significant through compliance with the aforementioned laws and requirements, and also through the implementation of a SWPPP and the WQMP requirements to prevent the off-site discharge of pollutants during construction and operation of the project.

During operation of the Project, potential hazardous materials would be limited to routine elements associated with self-storage development, including but not limited to the use of lubricants and grease for roll-up doors, paints and waterproofing for maintaining exterior stucco, doors and building trimming and pesticides, which would not represent a significant hazard. Further, no hazardous materials will be transported to or from the site during Project construction or operation.

The Project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. However, because the project site was utilized for agricultural purposes in the past as apparent from historical aerial photographs (1938, 1949, 1953, 1959), a Phase I and Phase II Environmental Assessment (Appendix C) was conducted to evaluate the project site for the presence of Recognizable Environmental Conditions (RECs). RECs are defined by the American Society for Testing and Materials (ASTM) as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to 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." De minimus conditions are those that generally do not present a threat to human health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies.

The results of both the Phase I ESA and Phase II ESA concluded that no RECs or de minimus conditions existed at the Project site. Furthermore, the Phase II ESA, in assessing project site soils for pesticide contamination, also concluded that no soils had been impacted or contaminated by pesticides or arsenic to the site's historical use as agricultural land.

e) The Project site is not within two miles of a public or private airport. The nearest airport is Redlands Municipal Airport (REI), which is located over 4.8 miles northwest from the project site. In addition, the project is not within the Redlands Airport Land Use Compatibility Plan. No impacts would occur with the Project.

f) The proposed GPA would impact two parcels located on the west side 11th Street, on the south side of Yucaipa Boulevard, 500 feet east of 12th Street and 470 feet north of Avenue D. The project site's split-zoned parcel (APN 0318-011-48) is currently designated for single family residential and general commercial uses, and that upon facilitation of the GPA, development of the proposed general commercial permitted use (self-storage facility) would not impact access to users traveling along the public right-of-way along Yucaipa Boulevard or along 11th Street. Further, Figure S-5 of the Yucaipa General Plan designates Yucaipa Boulevard as a Local Evacuation Route, which although abutting the project's northern boundary access, would not interfere with this route if fully activated during an emergency as the Project would also provide secondary access off of 11th Street. As such, the proposed Project would not impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan.

g) The project site is within an urbanized area and adjacent to existing residential and commercial development. As shown in Figure S-3 of the Yucaipa General Plan, the project site is located within Fire Safety Review Area 2 (FR-2), which are lands that are vulnerable to fire due to proximity to Fire Safety Review Area 1 (FR-1), which are lands located in a very high fire severity zone. As such, the project would be required to comply with City Municipal Code Section 85.020220 (Area FR-1 and FR-2 Requirements), which includes construction and design standards that would reduce the risk of fire hazard as a result of construction and development within FR-1 and FR-2 identified areas. Furthermore, the project would be required to adhere to the City's Standard Conditions of Approval as required by the City's Fire Department, which includes provisions for adequate fire access, fire alarm systems, and placement of new fire hydrants at applicable intervals that meet the water flow requirements of the Fire Code. Therefore, with the project's adherence to FR-2 requirements and City Code Section 85.020220 requirements, impacts in this regard would be reduced to less than significant.

10. **HYDROLOGY AND WATER QUALITY**. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?			X	
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			X	
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:			X	
(i) result in a substantial erosion or siltation on- or off-site;			X	
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;			X	
(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			X	
(iv) impede or redirect flood flows?			X	

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			X	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

a) Wastewater treatment for the project area is provided by Yucaipa Valley Water District (YVWD), and the project would be required to connect to the YVWD sewer collection and treatment system. Prior to issuance of building permits, the project would also be required to comply with all applicable National Discharge Pollutant Elimination System (NPDES) requirements through adoption and implementation of a SWPPP and WQMP during the construction and operational phase. The structural and nonstructural BMPs and other measures included in the SWPPP and WQMP would address water quality and waste discharge concerns associated the project, and along with the sewer connection, a less than significant impact is anticipated.

b) The proposed project site receives potable water service that is provided by the YVWD. No hazardous materials or other materials will be injected into groundwater supplies and no wells are proposed for the project which would have the potential to draw from the groundwater table. Impacts would be less than significant.

c (i thru iv), e). The project site is not located within a drainage course, nor a designated floodway and or within a 100- and 500-year floodplain, and no defined blue line stream is depicted on the Yucaipa, CA U.S.G.S. Map for the project area. The project site is generally flat with a slight downward slope traversing from northeast to southwest. Onsite runoff upon completion of the project would be conveyed downslope from the northeast to southwest via concrete gutters of multiple design (Type E, Type F and Drop Curb) to where runoff would then discharge into a 0.20-acre stormwater retention/ infiltration basin situated at the southwest corner of the project site. As indicated in the Drainage Study (Appendix D), the project site has a potential of generating a total of approximately 35,961 cubic feet of runoff and the basin would be capable of retaining 40,227 cubic feet of stormwater below the basin's flowline during a 100-year storm event. Therefore, the storage capacity of the stormwater retention/infiltration basin is greater than the excess volume that could be received and accumulated in the basin during a 100-year, 3 hour storm event.

In compliance with stormwater discharges, the Project will be conditioned by the City to apply to the State Water Resources Control Board (SWRCB) for coverage under the Construction General Permit (Order No. 99-08-DWQ) (CAS000002), which applies to all stormwater discharges from projects where clearing, grading, and excavation result in soil disturbance of at least one acre or more. The Project's area of disturbance encompasses approximately 6.73 acres. The Construction General Permit requires an applicant to prepare and implement a Storm Water Pollution Prevention Plan (SWPPP), which would include a list of best management practices (BMPs) that would be implemented to prevent soil erosion and to contain the potential for discharge of construction-related pollutants that could contaminate nearby water resources. The SWPPP may include, but not be limited to, the following BMPs:

- Temporary Soil Stabilization: sandbag barriers, straw bale barriers, sediment traps, and fiber rolls;
- Temporary Sediment Control: hydraulic mulch and geotextiles;
- Wind Erosion Control: water of the construction site, straw mulch;
- Tracking Control: staging/storage area and street sweeping;
- Non-Stormwater Management: clear water diversion and dewatering; and,
- Waste Management and Materials Pollution Control: vehicle and equipment cleaning, concrete waste management, and contaminated soil management.

The project will also be conditioned to prepare and implement a WQMP that would include BMPs to be implemented during post construction operations in order to ensure compliance with RWQCB water quality standards. Examples of WQMP BMP protocol applicable to the project would include the following:

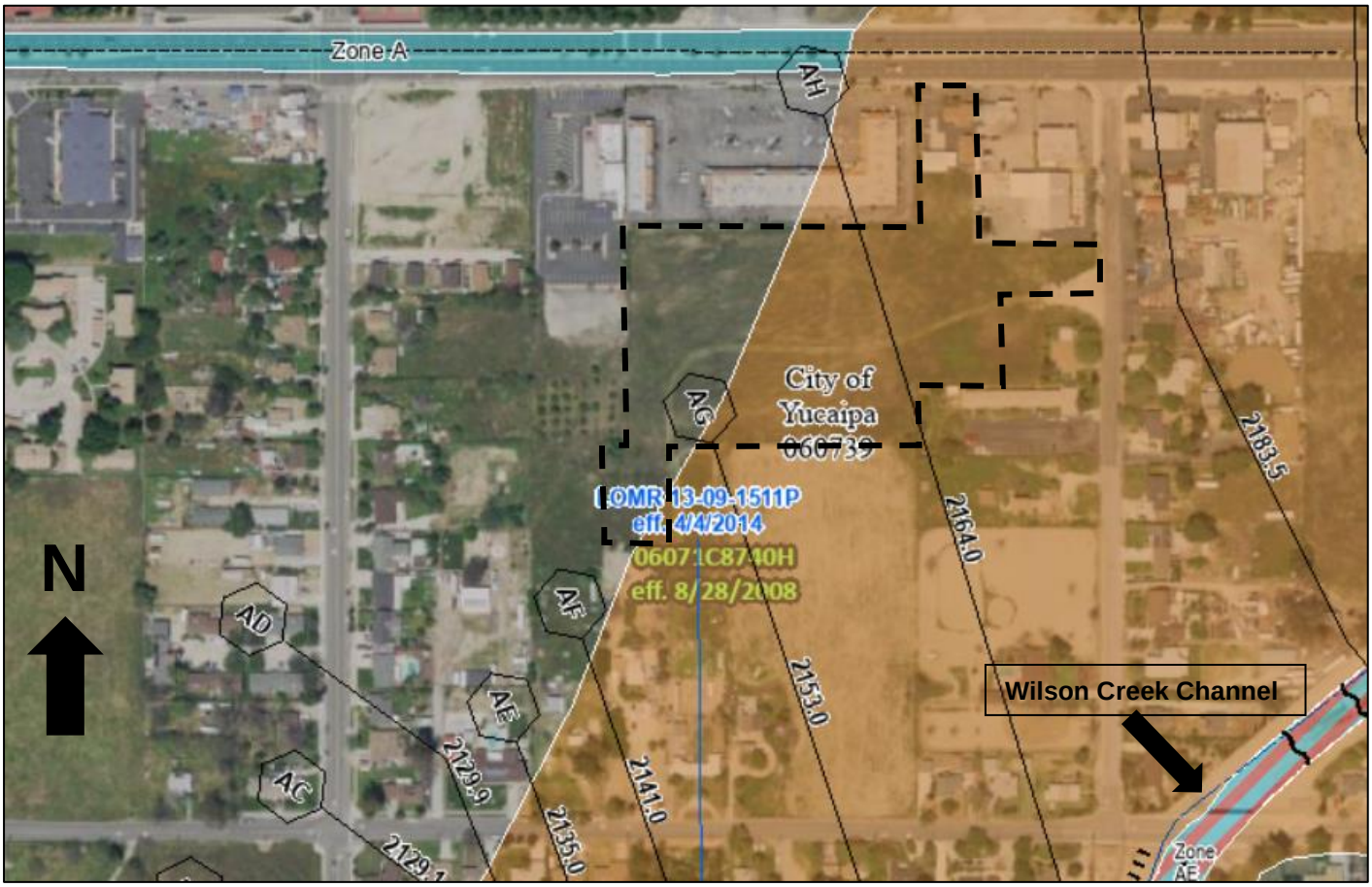
- Education for Property Owners, Operators, Tenants, Occupants, or Employees;

- Activity Restrictions;
- Irrigation System and Landscape Maintenance;
- Street Sweeping Private Streets and Parking Lots;
- Drainage Facility Inspection and Maintenance; and,
- Spill Prevention Control and Countermeasure Plan (SPCC)

The WQMP will be an active plan to be implemented throughout the life of project and will require routine inspections by a qualified water quality specialist to assure compliance with the Santa Ana RWQCB. This will assure that the project's impact with regard to violating any water quality standards will be reduced to less than significant.

d) The proposed project site is not within a 100-year flood plain, based upon a review of the latest FEMA Flood Insurance Rate Map (FIRM) Map, 06071C8740H, revised August 28, 2008. As such, and upon facilitation of the proposed GPA, no future structures built under the General Commercial land use designation for the project site would be placed within a 100-year flood plain, nor would new structures impede or redirect flow.

Figure 8 FEMA Flood Map



As shown in Figure 8 above, approximately 70 percent of the project would be within an area having a 0.2 percent annual chance of a experiencing a flood hazard under a 500-year flood event and with the remainder 30 percent of the project within an area of minimal flood hazard (Zone X). The 0.2 percent flood hazard chance is in correlation to upstream Yucaipa Dam Nos. 1, 2 and 3 and Crafton Hills Dam reservoirs, should the dams fail during a 500-year flood event. Regardless,

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

most of the flooding from such an event would occur further downstream from the project as indicated in Figure 5.9-4b of the General Plan EIR, which shows that the Wilson Creek Channel would be able to convey most of the excessive runoff further downstream and away from the project site and nearby residences.

The proposed project is not subject to the potential effects of a seiche, tsunami, or mudflows. The City of Yucaipa is located just east of the I-10 freeway and is over 55 miles east of the Pacific Ocean with an average elevation of 2,400 feet above sea level. As such, the City is not under threat of a tsunami, otherwise known as a seismic sea wave. Similarly, the potential for a seiche to occur is remote, given the limited number of large water bodies within Yucaipa and its sphere of influence. Therefore, no impact is expected.

11. **LAND USE AND PLANNING**. Would the project:				
a) Physically divide an established community?				X
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?			X	

a) Dividing an established community typically involves creating a physical barrier that changes the connectivity between areas of the community. The Project site is located on two (2) undeveloped graded parcels totaling 6.25 acres and bordered by residences and an abandoned orchard to the west, residences to the south and east, and a commercial retail center (Yucaipa Plaza) to the north which is also adjacent to the Project's 0.34-acre developed parcel (APN 0318-011-07). The Project would be completely contained within the two parcels, would not have the potential to physically divide a community, and does not propose any other action that would physically divide an established community.

b) The proposed GPA would eliminate the split-zoned designation of APN 0318-011-48 through the re-zone of remainder land (1.43 acres) within the 5.93-acre parcel from Single Residential (RS-20M) to General Commercial (CG). This action would create a single designated land use of General Commercial (CG) for the parcel and would interconnect with adjacent parcels to the north also under the CG designation. The proposed GPA, CUP and ARC is to allow for the development of a secured-gated self-storage facility on two (2) totaling 6.25 acres. Improvements to the project site are required to occur consistent with adopted development standards and good planning practices. Grading and building improvements would be undertaken consistent with appropriate City standards and drainage design criteria. No policies or plans exist for avoiding or mitigating an environmental effect that have not been taken into consideration.

12. **MINERAL RESOURCES.** Would the project:				
a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

a-b) The City General Plan indicates the entire City is within an MRZ-3 (Mineral Resource Zone 3) classification, in which the significance of mineral deposit cannot be evaluated. No mining activities currently occur in the area, and no significant mineral resources are known to exist within the City of Yucaipa. Due to the size of the project site and proximity to residential uses, the site is unlikely to be considered a viable site for mineral extraction.

13. **NOISE.** Would the project result in:				
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?		X		
b) Generation of excessive groundborne vibration or groundborne noise levels?		X		

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				X

a-b) The project site is adjacent to residential land uses, which are considered noise sensitive land uses in the City General Plan. The General Plan and Municipal Code identify noise levels for various types of land uses, certain activities, and how noise levels are to be measured.

Project Construction Noise: Construction noise sources are regulated within the City of Yucaipa Municipal Code Section 87.0905(b) which limits construction activities to between the hours of 7:00 AM and 7:00 PM weekdays and Saturdays with no construction allowed on Sundays or Federal holidays. The City of Yucaipa does not include a numerical noise standard associated with construction noise. Nonetheless, project impacts related to construction noise would be minimized with adherence to Municipal Code Section 87.0905(b).

Groundborne vibration and noise: There are several types of construction equipment that can cause vibration levels high enough to annoy persons in the vicinity and/or result in architectural or structural damage to nearby structures and improvements. For example, a vibratory roller could generate up to 0.21 Peak Particle Velocity (PPV) at a distance of 25 feet; and operation of a large bulldozer (0.089 PPV) at a distance of 25 feet (two of the most vibratory pieces of construction equipment). Groundborne vibration at sensitive receptors associated with this equipment would drop off as the equipment moves away.

Groundborne vibration, as a result of project construction, would not have an impact on sensitive receptors as the nearest sensitive receptor (multi-family units at 12194 11th Street) would be approximately 70-feet from where vibratory rollers would be used. Therefore, Project impacts in regard to groundborne vibration would be less than significant.

Project Operational Noise: Based on previous noise studies prepared for projects located in the City, project generated vehicle traffic is considered significant if project-related traffic increases noise levels at nearby sensitive receptors by 5 dBL. As a self-storage project with minimal office space, the anticipated traffic is anticipated to be similar to the existing conditions and as such would not result in a 5 dBL increase in noise to nearby roadways resulting from project implementation.

As shown in Figure S-6, of the General Plan Safety Element (*Noise Hazard Overlay District*), two thirds of the of the project site is within the 60dBA to 65+dBA designated contour level of the Noise Hazard Overlay District, which directly relates to audible noise generated from vehicular traffic along Yucaipa Boulevard. However, because the project is a non-residential development (self-storage facility) and would involve tenants either dropping off or picking-up personal storage items and possessions, exposure to permanent noise audible noise from Yucaipa Boulevard would be minimal and brief. Therefore, project impacts in regard to exposure to off-site permanent noise would be less than significant.

c) The project site is not within two miles of an airport of any type. The nearest airport is Redlands Municipal Airport (REI), which is located 4.7 miles northwest from the project site. In addition, the project is not within the Redlands Airport Land Use Compatibility Plan. No impacts would occur with development of the project.

14. **POPULATION AND HOUSING.** Would the project:				
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)?				X
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

a) The proposed Project is for the development of a non-residential self-storage facility and no residential dwelling units proposed.

b) The proposed project will remove approximately 1.43 acres from the Single Residential Land Use District, which would provide the capacity for three (3) single family parcels. Other upzone requests recently approved by the City have offset the change in density.

15. **PUBLIC SERVICES**. 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?			X	
b) Police protection?			X	
c) Schools?			X	
d) Parks?			X	
e) Other public facilities?			X	

a) The City of Yucaipa is currently served by the California Department of Forestry (CAL FIRE). The Project site is accessible from Yucaipa Boulevard and 11th Street and that proposed driveway access from these roadways would be designed consistent with existing City Engineering and Fire Department standards and would not require unique or altered fire protection services. As a standard condition of approval, developers are required to pay development impact fees for fire facilities that are assessed from the details of proposed Project. The proposed Project would have a less than significant impact on fire protection services and would not affect fire department service ratios or response times, nor would it require the construction of any new fire facilities.

b) The San Bernardino County Sheriff's Department currently serves the Project site and surrounding area. As a standard condition of approval, developers are required to pay development impact fees for Public facilities based upon the size of the project site. The proposed Project would not require unique police protection services, since the site has been and will continue to be accessible from surrounding streets (Yucaipa Boulevard and 11th Street) and that the payment of development impact fees would off-set potential demands for increased facilities.

c) The Yucaipa-Calimesa School District would serve future development in the area. As a standard condition of approval, developers are required to pay development impact fees to the District for school facilities, prior to issuance of building permits. Under State law, impacts to school facilities are addressed by the State of California through specific procedures, such as development impact fees and issuance of bonds.

d) The proposed project involves a non-residential self-storage facility that will not result in an increase in the number of potential park users or affect existing park facilities.

e) The proposed Project would not require new or altered public facilities or services. The City requires future development to pay development impact fees for a variety of public facilities, including drainage improvements, traffic, and civic center facilities. In addition, the project will provide onsite drainage improvements (0.20-acre stormwater retention/infiltration basin) to meet state and local water quality requirements which will be confirmed in final engineering, and that impacts in regard to other public facility infrastructure have been addressed as part of this MND. Other necessary improvements, such as potable water and sewage treatment facilities, would be provided by other agencies that have the ability to require necessary facilities to be installed by the developer and/or require payment of fees to provide for that service.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

16. **RECREATION.**				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment				X

a-b) See response to 15d. The proposed Project is a non-residential self-storage facility with no recreational facilities proposed. No impact would occur.

17. **TRANSPORTATION/TRAFFIC.** Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?			X	
b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)?			X	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
d) Result in inadequate emergency access?			X	

a, b) The proposed GPA would change the land use designation from single residential (RS-20M) to general commercial (CG). As a result, a 146,700 square foot self-storage facility with an accessory office on 968 square feet. In 2020, the City developed Traffic Impact Analysis Guidelines to ensure consistency with the requirements of SB 743 implementation and the relevant thresholds for VMT that were adopted by City Council. The Guidelines provide screening criteria to be for smaller-scale projects that would not require a VMT analysis and includes the required approaches for the analysis. Among these projects that are screened from further review includes warehousing projects under 229,000 square feet or less. The project is a self-storage facility that would serve the local population. Trip rates from the Institute of Transportation Engineers, Trip Generation, 10th addition indicate that the project will only generate 377 trips per day.

As a standard condition of approval the proposed project would need to pay development impact fees for traffic facilities. These fees are the City's equivalent of the "fair share" contribution to a local fund to upgrade the area's transportation infrastructure.

c)The Project would not result in the modification of existing adjacent roadways in such way that would increase hazards to the roadway's geometric design. As shown in Figure 4, the Project will provide one ingress/egress driveway on 11th Street, one ingress/egress driveway on Yucaipa Boulevard. The Project also proposes the installation of Project right-of-way pedestrian sidewalks abutting these streets consistent with the City's General Plan and street design standards. The project will be conditioned to pay Development Impact Fees for traffic to fund the described improvements for driveway access off of Yucaipa Boulevard 11th Street.

d) The proposed project is located adjacent to existing paved streets (11th Street and Yucaipa Boulevard). Onsite driveways and parking would be designed to be consistent with the City's Engineering and Fire Department standards, and include adequate driveway widths, and adequate ingress and egress width for fire vehicles with an additional access lane dedicated for fire access.

18. **TRIBAL RESOURCES.** Would the project:
a) Cause a substantial adverse change in the significance of a Tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is:

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
(i) 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				X
(ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.		X		

a) The project site consists of an office building to be redeveloped and a vacant lot, neither of which were designated or eligible to be listed in either the California Register of Historical Resources, or the register of any local agency.

b) The site has historically been used as an orange orchard, which would have caused operational disturbance during its operation as well as significant disturbance through the ultimate removal of those trees. Furthermore, the project site has been disturbed through previous weed abatement disking. Through early consultation, the CEQA process allows tribal governments, public lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process.

Consultation with local tribes, pursuant to SB18 and AB 52, is required for the proposed Project, and additional details are included within the Tribal resources section of this MND. In accordance with AB 52 and SB 18 requirements, the City sent invitation letters to representatives of the Native American contacts provided by the NAHC on March 22, 2018, formally inviting tribes to consult with the City on the GPA. The intent of the consultations is to provide an opportunity for interested Native American contacts to work together with the City during the project planning process to identify and protect tribal cultural resources. A response letter was received from the Agua Caliente Band of Cahuilla Indians and Quechan Indian Tribe requesting consultation, which concluded on April 4, 2022 and July 1, 2022 respectively. Letters were also received from Yuhaaviatam of San Manuel Nation (formerly known as the San Manuel Band of Mission Indians) noting that monitors qualified in tribal resourced should be used as part of the development of the Project.

Archaeological research in the area indicates the project area appears to have been inhabited by the Mountain Serrano, but is also within the boundaries of traditional Cahuilla territory, which lies within the geographic center of Southern California and the Cocopa-Maricopa Trail, a major prehistoric trade route that linked the Colorado Desert with the Pacific Coast. Further, the name “Yucaipa” is a form of the Serrano word, “Yucaipat.” Due to the sensitivity of the site and the possibility of discovery during ground movement activities, measures have been developed with the tribes to ensure that potential impacts remain less than significant.

To address and mitigate potential impacts to this resource, future development would address the potential discoveries that could occur during land disturbing activities. Based upon the consultation process, the mitigation measures are as follows:

<u>Mitigative Measures:</u>

CUL-1 Archaeological Monitoring

- Due to the heightened cultural sensitivity of the proposed project area, an archaeological monitor with at least 3 years of regional experience in archaeology shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of archaeological monitors shall be present each work day to ensure that

simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist and submitted to the Lead Agency for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and approve the plan, it shall be adopted by the Lead Agency – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.

TCR-1 Tribal Monitoring

- Due to the heightened cultural sensitivity of the proposed project area, Tribal monitors representing the San Manuel Band of Mission Indians shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of Tribal monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist, as detailed within CUL-1, and submitted to the Lead Agency for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and agree to the plan, it shall be adopted by the Lead Agency – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.

TCR-2 Treatment of Cultural Resources

- If a pre-contact cultural resource is discovered during archaeological presence/absence testing, the discovery shall be properly recorded and then reburied *in situ.* A research design shall be developed by the archaeologist that shall include a plan to evaluate the resource for significance under CEQA criteria. Representatives from the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI), the archaeologist/applicant, and the Lead Agency shall confer regarding the research design, as well as any testing efforts needed to delineate the resource boundary. Following the completion of evaluation efforts, all parties shall confer regarding the archaeological significance of the resource, its potential as a Tribal Cultural Resource (TCR), avoidance (or other appropriate treatment) of the discovered resource, and the potential need for construction monitoring during project implementation. Should any significant resource and/or TCR not be a candidate for avoidance or preservation in place, and the removal of the resource(s) is necessary to mitigate impacts, the research design shall include a comprehensive discussion of sampling strategies, resource processing, analysis, and reporting protocols/obligations. Removal of any cultural resource(s) shall be conducted with the presence of a Tribal monitor representing the Tribe, unless otherwise decided by SMBMI. All plans for analysis shall be reviewed and approved by the applicant and SMBMI prior to implementation, and all removed material shall be temporarily curated on-site. It is the preference of SMBMI that removed cultural material be reburied as close to the original find location as possible. However, should reburial within/near the original find location during project implementation not be feasible, then a reburial location for future reburial shall be decided upon by SMBMI, the landowner, and the Lead Agency, and all finds shall be reburied within this location. Additionally, in this case, reburial shall not occur until all ground-disturbing activities associated with the project have been completed, all monitoring has ceased, all cataloguing and basic recordation of cultural resources have been completed, and a final monitoring report has been issued to Lead Agency, CHRIS, and SMBMI. All reburials are subject to a reburial agreement that shall be developed between the landowner and SMBMI outlining the determined reburial process/location, and shall include measures and provisions to protect the reburial area from any future impacts (vis a vis project plans, conservation/preservation easements, etc.).

- Should it occur that avoidance, preservation in place, and on-site reburial are not an option for treatment, the landowner shall relinquish all ownership and rights to this material and confer with SMBMI to identify an American Association of Museums (AAM)-accredited facility within the County that can accession the materials into their permanent collections and provide for the proper care of these objects in accordance with the 1993 CA Curation Guidelines. A curation agreement with an appropriate qualified repository shall be developed between the landowner and museum that legally and physically transfers the collections and associated records to the facility. This agreement shall stipulate the payment of fees necessary for permanent curation of the collections and associated records and the obligation of the Project developer/applicant to pay for those fees.

- All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the archaeologist and submitted to the Lead Agency and SMBMI for their review and comment. After approval from all parties, the final reports and site/isolate records are to be submitted to the local CHRIS Information Center, the Lead Agency, and SMBMI.

TCR-3 Inadvertent Discoveries of Human Remains/Funerary Objects

- In the event that any human remains are discovered within the project area, ground disturbing activities shall be suspended 100 feet around the resource(s) and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. The on-site lead/foreman shall then immediately who shall notify SMBMI, the applicant/developer, and the Lead Agency. The Lead Agency and the applicant/developer shall then immediately contact the County Coroner regarding the discovery. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c). The NAHC-identified Most Likely Descendant (MLD), shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and funerary objects shall be treated and disposed of with appropriate dignity. The MLD, Lead Agency, and landowner agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes. The MLD shall complete its inspection and make recommendations within forty-eight (48) hours of the site visit, as required by California Public Resources Code § 5097.98.

- Reburial of human remains and/or funerary objects (those artifacts associated with any human remains or funerary rites) shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The MLD in consultation with the landowner, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains and funerary objects. All parties are aware that the MLD may wish to rebury the human remains and associated funerary objects on or near the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The applicant/developer/landowner should accommodate on-site reburial in a location mutually agreed upon by the Parties.

- It is understood by all Parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, 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).

- Should human remains be discovered during construction of the proposed project, the project contractor would be subject to either the State law regarding the discovery and disturbance of human remains or the Tribal burial protocol. In either circumstance all destructive activity in the immediate vicinity shall halt and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5. If the remains are determined to be of Native

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

American origin, the Native American Heritage Commission (NAHC) shall be contacted. The NAHC will make a determination of the Most Likely Descendent (MLD). The City and Developer will work with the designated MLD to determine the final disposition of the remains.

19. **UTILITIES AND SERVICE SYSTEMS.** Would the project:				
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?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				X
c) Result in a determination by the waste water treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments				X
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?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?				X

a, b, c) The Yucaipa Valley Water District provides wastewater treatment facilities. The proposed project would be required to connect to the sewer system, and would execute a development agreement with the District. As part of the project application, the applicant has obtained a letter from the District noting that it would be able to accommodate the proposed land use change and development. Potable water would be provided by Western Heights Water District. As part of the application submittal, the Company noted that there was sufficient infrastructure to serve the proposed development.

d) Solid waste services in the City of Yucaipa are provided by Burrtec, and disposed of within the San Timoteo Sanitary Landfill. According to information from the CalRecycle website, operated by the State of California, this landfill has an average annual capacity of 500,000 to 749,999 tons per year, and has a remaining capacity of over 13 million cubic yards. Information on the CalRecycle website provides solid waste characterization databases by types of use, referenced from various environmental documents.

This project consists of a self-storage site, which do not generate significant waste as much of the operations consist of customers bringing items to and from storage with under 1,000 square feet dedicated as office space. The amount of operational waste generated is not significant and will be accommodated by the aforementioned landfill. As a result, the potential impacts are considered to be less than significant.

e) Per Title 8, Chapter 8.28 of the Municipal Code, all property within the City is required to subscribe to refuse collection and handling services. The program is designed to collect trash, recyclables, and green waste and to assist the City in meeting mandated AB 939 diversion goals established by the State of California. Solid waste collection and recycling services pursuant to Chapter 8.28 are a mandatory requirement for new development in the City of Yucaipa. The project will be required to be served by the City-approved waste disposal service. The City of Yucaipa is currently served by a contract through Burrtec Wastes Industries, Inc. for waste collection. With the project's adherence to Chapter 8.28 guidelines, project impacts in regard to compliance with federal, state and local management regulations will be reduced to less than significant.

20. WILDFIRE				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				X

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			X	
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			X	
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?			X	

a) As shown in Figure 4, *Site Plan Exhibit*, accessibility would be provided off of the west side of 11th Street and on the south side of Yucaipa Boulevard. Although ultimate widening is already established along Yucaipa Boulevard, the project would be conditioned to construct ultimate widening to the west side of 11th Street with installation of curb and gutter and sidewalk improvements pursuant to the requirements of the General Plan.

As described, Figure S-5 of the Yucaipa General Plan designates Yucaipa Boulevard as a Local Evacuation Route, which although abutting the project's northern boundary access, would not interfere with this route if fully activated during an emergency as the Project would also provide secondary access off of 11th Street. As such, the proposed Project would not impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan.

b-d) The project site is within an urbanized area and adjacent to existing residential and commercial development. As shown in Figure S-3 of the Yucaipa General Plan, the project site is located within Fire Safety Review Area 2 (FR-2), which are lands that are vulnerable to fire due to proximity to Fire Safety Review Area 1 (FR-1), which are lands located in a very high fire severity zone. As such, the project would be required to comply with City Municipal Code Section 85.020220 (Area FR-1 and FR-2 Requirements), which includes construction and design standards that would reduce the risk of fire hazard as a result of construction and development within FR-1 and FR-2 identified areas. Furthermore, the project would be required to adhere to the City's Standard Conditions of Approval as required by the City's Fire Department, which includes provisions for adequate fire access, fire alarm systems, and placement of new fire hydrants at applicable intervals that meet the water flow requirements of the Fire Code. Therefore, with the project's adherence to FR-2 requirements and City Code Section 85.020220 requirements, impacts in this regard would be reduced to less than significant.

19. **MANDATORY FINDINGS OF SIGNIFICANCE.**				
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?				X
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)?			X	
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

a) The proposed Project will not result in significant impacts that have the potential to degrade the quality of the environment. No sensitive plant or animal species or habitats are expected to be significantly impacted by the Project site. In addition, all earth moving activities which are proposed that could impact cultural or tribal resources will be subject to a monitoring plan and will implement tribal monitoring. The proposed Project consists of a GPA that would facilitate a commercial development in lieu of single family development. As part of the project, commercial storage development will also be developed. As noted within this MND, the future development that could occur would not have significant impacts.

b) The proposed Project is limited to a GPA that would change the land use from single-family residential to General Commercial, and would allow for a variety of commercial uses, including the commercial storage facility that has been submitted. Given the relatively small size of the land use change, as well as analysis contained herein related to the potential development that could occur, the cumulative effects of this project are not expected to result in significant impacts. The evaluation of the proposed Project utilized topical sections related to agriculture, biology, cultural, air quality, geology/soils, greenhouse gases, hydrology, land use, noise, land use, mineral resources, population and housing, recreation, traffic, utilities and services and did not identify potential significant or cumulative impacts that could not be mitigated to a level that is less than significant.

c) Future development that could occur as a result of the GPA will involve site improvements that are to be constructed consistent with existing City regulations, standards, and processes, and those of other agencies. The topical issues discussed within this document did not identify the potential for adverse effects due, in part, to the incorporation of mitigation measures and standard Conditions of Approval that be applied to any future development would address potential impacts or adverse effects on human beings.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

SUPPORTING INFORMATION SOURCES:

1. City of Yucaipa General Plan, 2016
2. City of Yucaipa General Plan EIR, 2016
3. City of Yucaipa Development Code (as amended)
4. Caltrans Web Site for Scenic Highways. Accessed March 17, 2022. www.dot.ca.gov.
5. California State Department of Conservation California Important Farmland Finder Interactive Map. Accessed March 10, 2022. https://maps.conservation.ca.gov/DLRP/CIFF/.
6. California Department of Toxic Substances Control, Envirostor. Accessed April 4, 2022. https://www.envirostor.dtsc.ca.gov/public/.
7. Cal Fire Mapping, www.fire.ca.gov
8. CalRecycle n.d., Estimated Solid Waste Generation Rates – Commercial and Industrial Sector Generation Rates. Accessed March 30, 2022. https://www2.calrecycle.ca.gov/wastecharacterization/general/rates
9. Geocon West Inc. *Geotechnical Investigation, U Stor It Yucaipa, SW of Yucaipa Blvd & 11th St., Yucaipa, California,* November 15, 2021.
10. Institute of Traffic Engineers, 10th Edition
11. LDN Consulting, INC. *Air Quality Assessment U-Store-It Self Storage Development,* April 12, 2022.
12. LDN Consulting, Inc, *Energy and Conservation – U-Stor-It Development, City of Yucaipa, CA.* April 12, 2022.
13. LDN Consulting, Inc, *Greenhouse Gas Assessment– U-Stor-It Development, City of Yucaipa, CA. April 12, 2022.*
14. Omega Engineering Consultants. *Drainage Study For Yucaipa Self-Storage, 11th St. (Vacant Lot), Yucaipa, Ca 92399,* November 19, 2021.
15. Geocon West Inc. *Phase I and Phase II Environmental Site Assessment Report, 32333, 33063 and 33081 Yucaipa Boulevard Yucaipa, California,*
16. State Water Resources Control Board.
17. Yucaipa, CA U.S.G.S. Map
18. City of Yucaipa Traffic Impact Analysis Guidelines

AIR QUALITY ASSESSMENT

U-Store-It Self Storage Development
Case # 21-202
City of Yucaipa, CA

Prepared By:

Ldn Consulting, Inc.

42428 Chisolm Trail
Murrieta, CA 92562

Project For:

U-Stor-It
501 W. Broadway Suite 2020
San Diego, CA 92101

April 26, 2022

TABLE OF CONTENTS

TABLE OF CONTENTS ..... **II**

LIST OF FIGURES ..... **III**

LIST OF TABLES ..... **III**

ATTACHMENTS ..... **III**

1.0 INTRODUCTION **1**

1.1 PURPOSE OF THIS STUDY 1
1.2 PROJECT LOCATION 1
1.3 PROJECT DESCRIPTION 1

2.0 EXISTING ENVIRONMENTAL SETTING **4**

2.1 EXISTING SETTING 4
2.2 CLIMATE AND METEOROLOGY 4
2.3 REGULATORY STANDARDS 4
2.3.1 FEDERAL STANDARDS AND DEFINITIONS 4
2.3.2 STATE STANDARDS AND DEFINITIONS 6
2.3.3 REGIONAL STANDARDS 8
2.4 CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) SIGNIFICANCE THRESHOLDS 9
2.5 AIR QUALITY IMPACT ASSESSMENT SCREENING THRESHOLDS 10
2.6 LOCAL AIR QUALITY 10
2.7 LOCALIZED SIGNIFICANCE THRESHOLDS 11

3.0 METHODOLOGY **13**

3.1 CONSTRUCTION EMISSIONS CALCULATIONS 13
3.2 CONSTRUCTION ASSUMPTIONS 14
3.3 OPERATIONAL EMISSIONS 15
3.4 ODOR IMPACTS (ONSITE) 15

4.0 FINDINGS **16**

4.1 CONSTRUCTION FINDINGS 16
4.2 LOCALIZED SIGNIFICANCE THRESHOLDS 16
4.3 OPERATIONAL FINDINGS 17
4.4 ODOR IMPACT FINDINGS 18
4.5 CONCLUSION OF FINDINGS 18

5.0 REFERENCES **19**

List of Figures

FIGURE 1-A: PROJECT VICINITY MAP 2
FIGURE 1-B: SITE PLAN MAP 3

List of Tables

TABLE 2.1: AMBIENT AIR QUALITY STANDARDS 7
TABLE 2.2: SOUTH COAST AIR BASIN ATTAINMENT STATUS BY POLLUTANT 9
TABLE 2.3: SCREENING THRESHOLD FOR CRITERIA POLLUTANTS 10
TABLE 2.4: THREE-YEAR AMBIENT AIR QUALITY SUMMARY NEAR THE PROJECT SITE 11
TABLE 2.5: LST EMISSION THRESHOLDS (5-ACRE SITE) 12
TABLE 3.1: EXPECTED CONSTRUCTION EQUIPMENT 15
TABLE 4.1: EXPECTED CONSTRUCTION EMISSIONS SUMMARY 16
TABLE 4.2: ON-SITE DAILY EMISSIONS FOR COMPARISON TO LSTS 17
TABLE 4.3: EXPECTED DAILY POLLUTANT GENERATION 17

Attachments

CALLEEMOD 2020.4.0 20

1.0 INTRODUCTION

1.1 Purpose of this Study

The purpose of this Air Quality study is to determine potential significant air quality impacts (if any) that may be created by construction, area or operational emissions (short term or long term) from the proposed Project. Should impacts be determined, the intent of this study would be to recommend suitable mitigation measures to bring those impacts to a level that would be considered less than significant.

1.2 Project Location

The proposed Project site is generally located at the southwest corner Yucaipa Boulevard and 11th Street in the City of Yucaipa. A general project vicinity map is shown in Figure 1-A.

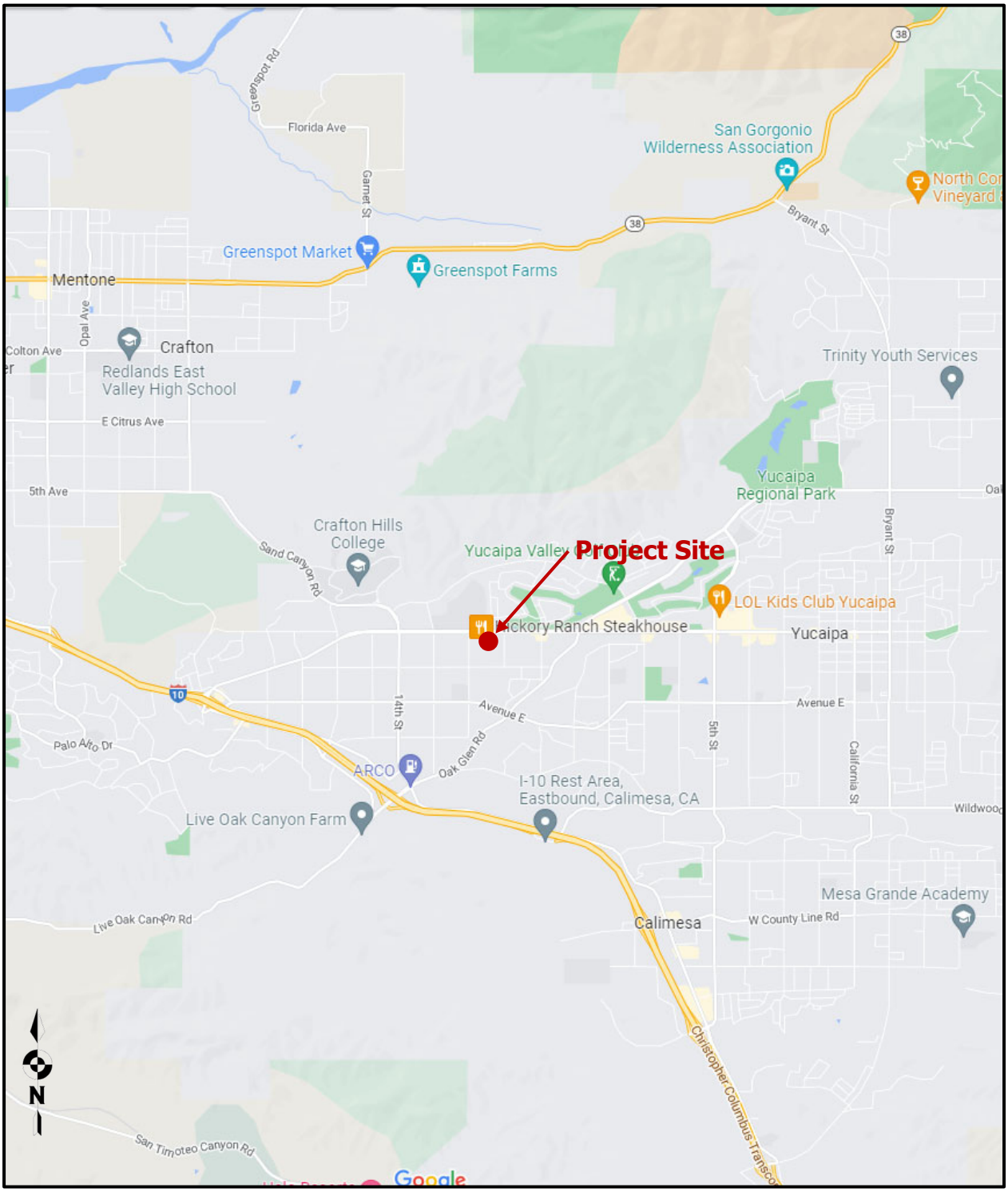
1.3 Project Description

The proposed Project site is generally located at the southwest corner Yucaipa Boulevard and 11th Street in the City of Yucaipa. The project development plan calls for the construction of five separate buildings with a total floor area of 147,668 Square Feet (SF) and will be used for a self-storage facility. In addition, the Project will provide recreational vehicle storage.

The project is seeking a rezone of a split zoned parcel (Assessor Parcel No. 031-801-148) by rezoning remaining portions designated under Single Family Residential (R-1) to General Commercial (CG) in order to bring the entire parcel under CG designation.

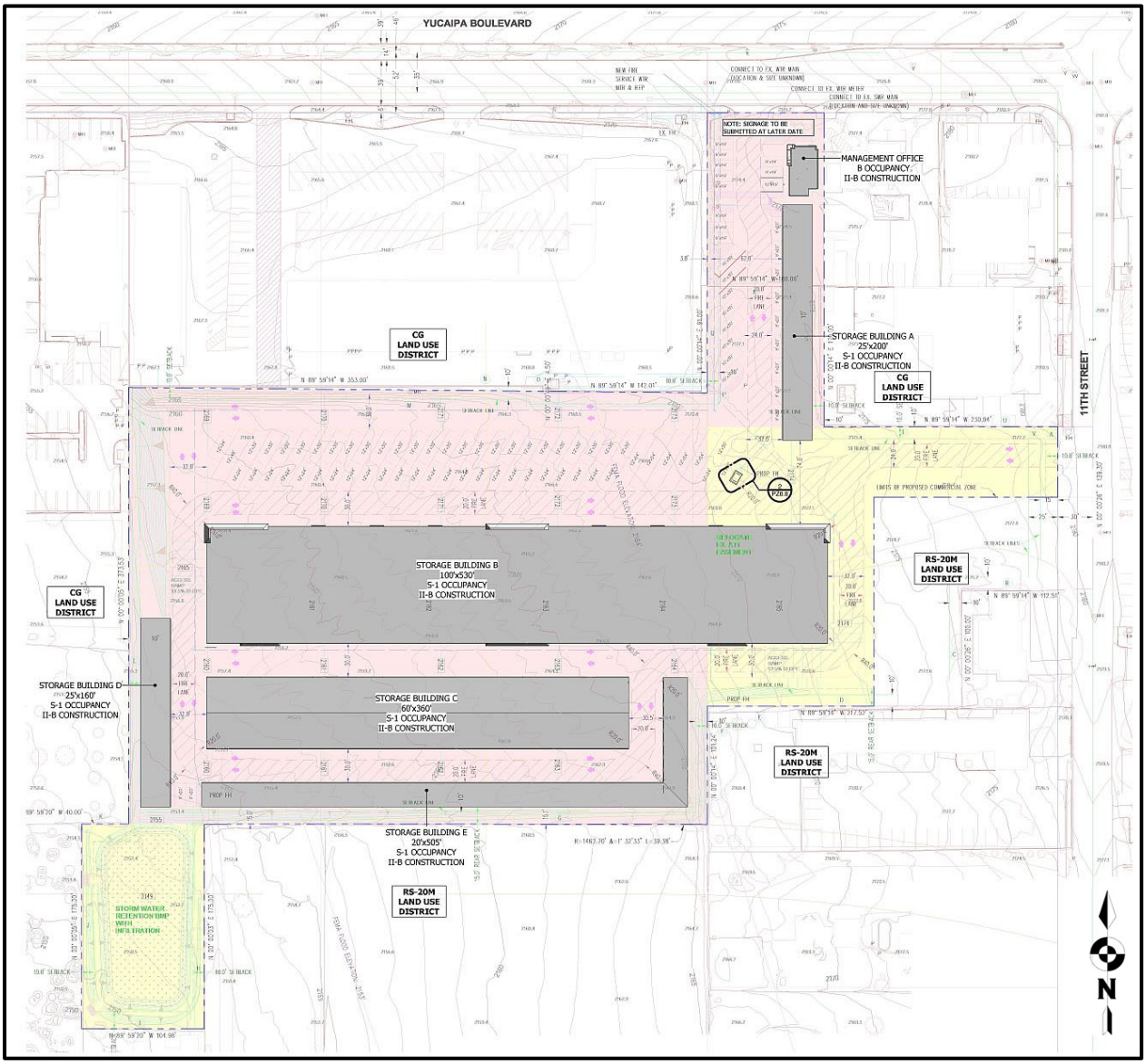
Construction of the project is proposed in early 2023 with full buildout expected early 2024. The proposed project will consume electricity, natural gas, diesel and gasoline for both construction and operations activities. The project site plan is shown on in Figure 1-B.

Figure 1-A: Project Vicinity Map



Source: (Google, 2022)

Figure 1-B: Site Plan Map



Source: (DDCA Architects, 2022)

2.0 EXISTING ENVIRONMENTAL SETTING

2.1 Existing Setting

The existing Project site is currently occupied with commercial structures along Yucaipa Boulevard and the remainder of the site is vacant. Adjacent surrounding land uses are commercial along Yucaipa Boulevard and uses to the west, south and east are mostly residential. Residential uses exist to the north. The site topography is has a slight slope but is mostly flat with elevations ranging from 2,160 feet above mean sea level (MSL) on the western boundary to 2,180 MSL on the eastern boundary.

2.2 Climate and Meteorology

The Project is located in the South Coast Air Basin (SCAB). Climate within the SCAB area often varies dramatically over short geographical distances due to the size and topography. Most of southern California is dominated by high-pressure systems for much of the year, which keeps Yucaipa mostly sunny and warm. Typically, during the winter months, the high-pressure system drops to the south and brings cooler, moister weather from the north.

It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SCAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

Daytime temperature highs within the City of Yucaipa typically range between 61 ºF in the winter to approximately 93 ºF in the summer with the month of August usually being the hottest month. Yucaipa usually receives an average seasonal precipitation of 19 inches of rain per year with the months of February and March usually being the wettest months of the year (City Data, 2022)

2.3 Regulatory Standards

2.3.1 Federal Standards and Definitions

The Federal Air Quality Standards were developed per the requirements of The Federal Clean Air Act, which is a federal law that was passed in 1970 and further amended in 1990. This law provides the basis for the national air pollution control effort. An important element of the act included the development of national ambient air quality standards (NAAQS) for major air pollutants. The Clean Air Act established two types of air quality standards otherwise known as primary and secondary standards. ***Primary Standards*** set limits for the intention

of protecting public health, which includes sensitive populations such as asthmatics, children and elderly. ***Secondary Standards*** set limits to protect public welfare to include the protection against decreased visibility, damage to animals, crops, vegetation and buildings.

The EPA Office of Air Quality Planning and Standards (OAQPS) has set National Ambient Air Quality Standards for principal pollutants, which are called "criteria" pollutants. These pollutants are defined below:

1. ***Carbon Monoxide (CO):*** *is a colorless, odorless, and tasteless gas and is produced from the partial combustion of carbon-containing compounds, notably in internal-combustion engines. Carbon monoxide usually forms when there is a reduced availability of oxygen present during the combustion process. Exposure to CO near the levels of the ambient air quality standards can lead to fatigue, headaches, confusion, and dizziness. CO interferes with the blood's ability to carry oxygen.*
2. ***Lead (Pb):*** *is a potent neurotoxin that accumulates in soft tissues and bone over time. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Because lead is only slowly excreted, exposures to small amounts of lead from a variety of sources can accumulate to harmful levels. Effects from inhalation of lead near the level of the ambient air quality standard include impaired blood formation and nerve conduction. Lead can adversely affect the nervous, reproductive, digestive, immune, and blood-forming systems. Symptoms can include fatigue, anxiety, short-term memory loss, depression, weakness in the extremities, and learning disabilities in children.*
3. ***Nitrogen Dioxide (NO_2):*** *is a reactive, oxidizing gas capable of damaging cells lining the respiratory tract and is one of the nitrogen oxides emitted from high-temperature combustion, such as those occurring in trucks, cars, power plants, home heaters, and gas stoves. In the presence of other air contaminants, NO_2 is usually visible as a reddish-brown air layer over urban areas. NO_2 along with other traffic-related pollutants is associated with respiratory symptoms, respiratory illness and respiratory impairment. Studies in animals have reported biochemical, structural, and cellular changes in the lung when exposed to NO_2 above the level of the current state air quality standard. Clinical studies of human subjects suggest that NO_2 exposure to levels near the current standard may worsen the effect of allergens in allergic asthmatics, especially in children.*
4. ***Particulate Matter (PM_{10} or $PM_{2.5}$):*** *is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary in shape, size and chemical composition, and can be made up of multiple materials such as metal, soot, soil, and dust. PM_{10} particles are 10 microns (µm) or less and $PM_{2.5}$ particles are 2.5 (µm) or less. These particles can contribute significantly to regional haze and reduction of visibility in California. Exposure to PM levels exceeding current air quality standards increases the risk of allergies such as asthma and respiratory illness.*

5. ***Ozone (O_3)**: is a highly oxidative unstable gas capable of damaging the linings of the respiratory tract. This pollutant forms in the atmosphere through reactions between chemicals directly emitted from vehicles, industrial plants, and many other sources. Exposure to ozone above ambient air quality standards can lead to human health effects such as lung inflammation, tissue damage and impaired lung functioning. Ozone can also damage materials such as rubber, fabrics and plastics.*
6. ***Sulfur Dioxide (SO_2)**: is a gaseous compound of sulfur and oxygen and is formed when sulfur-containing fuel is burned by mobile sources, such as locomotives, ships, and off-road diesel equipment. SO_2 is also emitted from several industrial processes, such as petroleum refining and metal processing. Effects from SO_2 exposures at levels near the one-hour standard include bronchoconstriction accompanied by symptoms, which may include wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Children, the elderly, and people with asthma, cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most susceptible to these symptoms. Continued exposure at elevated levels of SO_2 results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality.*

2.3.2 State Standards and Definitions

The State of California Air Resources Board (ARB) sets the laws and regulations for air quality on the state level. The California Ambient Air Quality Standards (CAAQS) are either the same as or more restrictive then the NAAQS and also restrict four additional contaminants. Table 2.1 on the following page identifies both the NAAQS and CAAQS. The additional contaminants as regulated by the CAAQS are defined below:

1. ***Visibility Reducing Particles**: Particles in the Air that obstruct the visibility.*
2. ***Sulfates**: are salts of Sulfuric Acid. Sulfates occur as microscopic particles (aerosols) resulting from fossil fuel and biomass combustion. They increase the acidity of the atmosphere and form acid rain.*
3. ***Hydrogen Sulfide (H_2S)**: is a colorless, toxic and flammable gas with a recognizable smell of rotten eggs or flatulence. H_2S occurs naturally in crude petroleum, natural gas, volcanic gases, and hot springs. Usually, H_2S is formed from bacterial breakdown of organic matter. Exposure to low concentrations of hydrogen sulfide may cause irritation to the eyes, nose, or throat. It may also cause difficulty in breathing for some asthmatics. Brief exposures to high concentrations of hydrogen sulfide (greater than 500 ppm) can cause a loss of consciousness and possibly death.*
4. ***Vinyl Chloride**: also known as chloroethene and is a toxic, carcinogenic, colorless gas with a sweet odor. It is an industrial chemical mainly used to produce its polymer, polyvinyl chloride (PVC).*

Table 2.1: Ambient Air Quality Standards

Ambient Air Quality Standards						
Pollutant	**Average Time**	**California Standards[1]**		**Federal Standards[2]**		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m3)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m3)		0.070 ppm (137 µg/m3)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m3	Gravimetric or Beta Attenuation	150 µg/m3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m3		-		
Fine Particulate Matter (PM2.5)[9]	24 Hour	No Separate State Standard		35 µg/m3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m3	Gravimetric or Beta Attenuation	12.0 µg/m3	15 µg/m3	
Carbon Monoxide (CO)	8 hour	9.0 ppm (10mg/m3)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m3)	-	Non-Dispersive Infrared Photometry
	1 hour	20 ppm (23 mg/m3)		35 ppm (40 mg/m3)		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m3)		-	-	-
Nitrogen Dioxide (NO_2)[10]	Annual Arithmetic Mean	0.030 ppm (57 µg/m3)	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m3)[8]	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.18 ppm (339 µg/m3)		0.100 ppm[8] (188/ µg/m3)	-	
Sulfur Dioxide (SO_2)[11]	Annual Arithmetic Mean	-	Ultraviolet Fluorescence	0.030 ppm[10] (for Certain Areas)	-	Ultraviolet Flourescence; Spectrophotometry (Pararoosaniline Method)[9]
	24 Hour	0.04 ppm (105 µg/m3)		0.14 ppm[10] (for Certain Areas) (See Footnote 9)	-	
	3 Hour	-		-	0.5 ppm (1300 µg/m3)	
	1 Hour	0.25 ppm (655 µg/m3)		75 ppb (196 µg/m3)	-	
Lead[12,13]	30 Day Average	1.5 µg/m3	Atomic Absorption	-		-
	Calendar Quarter	-		1.5 µg/m3	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Average	-		0.15 µg/m3		
Visibility Reducing Particles	8 Hour	See footnote 14				
Sulfates	24 Hour	25 µg/m3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m3)	Gas Chromatography			

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m3 is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent procedure which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 µg/m3 to 12.0 µg/m3 . The existing national 24- hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3 , as was the annual secondary standard of 15 µg/m3 . The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: (California Air Resources Board, 5/4/2016)

2.3.3 Regional Standards

The State of California has 35 specific air districts, which are each responsible for ensuring that the criteria pollutants are below the NAAQS and CAAQS. Air basins that exceed either the NAAQS or the CAAQS for any criteria pollutants for designated periods defined in the footnote of Table 2.1 above are designated as "non-attainment areas" for that pollutant. Currently, there are 15 non-attainment areas for the federal ozone standard and two non-attainment areas for the $PM_{2.5}$ standard. The state therefore created the California State Implementation Plan (SIP), which is designed to provide control measures needed for California Air basins to attain ambient air quality standards.

The SCAQMD has jurisdiction over an area of approximately 10,743 square miles, consisting of the SCAB, and the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The district prepares Air Quality Management Plans (AQMP) to demonstrate how the region will reduce air pollution emissions to meet the federal and state health-based standards to comply with Clean Air Act requirements and will be ultimately a part of the SIP. Currently the SCAQMD is in the process of updating the latest adopted Air Quality Management Plan (signed December 7, 2012) and is expected to be signed mid to late 2016 (SCAQMD, 2016).

More specifically, the AQMP identifies the path South Coast Air Basin must take for the attainment of federal PM and ozone standards and highlights the significant amount of reductions needed and the urgent need to engage in interagency coordinated planning to identify additional strategies, especially in the area of mobile sources, to meet all federal criteria pollutant standards within the timeframes allowed under the federal Clean Air Act.

The City of Yucaipa Valley lies within the SCAB. The SCAQMD is the government agency, which regulates sources of air pollution within the City of Yucaipa. A complete listing of the current attainment status by pollutants for the SCAB is shown on Table 2.2.

Table 2.2: South Coast Air Basin Attainment Status by Pollutant

County Air Basin Attainment Status by Pollutant			
Pollutant	Average Time	California Standards	Federal Standards
Ozone (O_3)	1 Hour	Non-attainment	No Federal Standard
	8 Hour		Extreme Nonattainment
Respirable Particulate Matter (PM10)	24 Hour	Non-attainment	Serious Nonattainment
	Annual Arithmetic Mean	No State Standard	Serious Nonattainment
Fine Particulate Matter PM2.5	24 Hour	No State Standard	Non-attainment
	Annual Arithmetic Mean	Non-attainment	Non-attainment
Carbon Monoxide (CO)	8 hour	Attainment	Attainment Maintenance[1]
	1 hour		
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	No State Standard	Attainment
	1 Hour	Non-attainment	No Federal Standard
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	No State Standard	Attainment
	24 Hour	Attainment	Attainment
	1 Hour	Attainment	No Federal Standard
Lead	30 Day Average	Attainment	No Federal Standard
	Calendar Quarter	No State Standard	Attainment

1. Maintenance Area (defined by U.S. Department of Transportation) is any geographic region of the United States previously designated nonattainment pursuant to the CAA Amendments of 1990 and subsequently redesignated to attainment subject to the requirement to develop a maintenance plan under section 175A of the CAA, as amended.

2.4 California Environmental Quality Act (CEQA) Significance Thresholds

The California Environmental Quality Act has provided a checklist to identify the significance of air quality impacts. These guidelines are found in a 2018 updated Appendix G of the CEQA guidelines (California, 2018) :

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 Project:

A: Conflict with or obstruct implementation of the SCAQMD AQMP or applicable portions of the State Implementation Plan (SIP)?

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 (including, but not limited to, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations?

D: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

2.5 Air Quality Impact Assessment Screening Thresholds

To determine whether a project would create potential air quality impacts, the City of Yucaipa uses South Coast Air Quality Management District's (SQAQMD) Air Quality Thresholds. The screening thresholds for construction and daily operations are shown in Table 2.3 below. Demonstrating a projects compliance with SCAQMD Screening thresholds are a significant part of demonstrating compliance with SCAQMDs AQMP and is critical to insuring less than significant impacts to questions A and B identified in section 2.4 above.

Table 2.3: Screening Threshold for Criteria Pollutants

Pollutant	Total Emissions (Pounds per Day)
Construction Emissions	
Respirable Particulate Matter (PM_{10} and $PM_{2.5}$)	150 and 55
Nitrogen Oxide (NO_x)	100
Sulfur Oxide (SO_x)	150
Carbon Monoxide (CO)	550
Volatile Organic Compounds (VOCs)	75
Operational Emissions	
Respirable Particulate Matter (PM_{10} and $PM_{2.5}$)	150 and 55
Nitrogen Oxide (NO_x)	55
Sulfur Oxide (SO_x)	150
Carbon Monoxide (CO)	550
Lead and Lead Compounds	3.2
Volatile Organic Compounds (VOCs)	55

2.6 Local Air Quality

Criteria pollutants are measured continuously throughout the SCAB. This data is used to track ambient air quality patterns throughout the surrounding area. As mentioned earlier, this data is also used to determine attainment status when compared to the NAAQS and CAAQS. The SCAPCD is responsible for monitoring and reporting monitoring data. The District operates approximately 30 monitoring sites that collected data on criteria pollutants within the SCAB.

Ambient Data was obtained from the California Environmental Protection Agency's Air Resources Board Website (California Air Resources Board, 2021). Table 2.4 identifies the criteria pollutants monitored closest to the Project site which are the Redlands Dearborn station and the San Bernardino monitoring station.

Table 2.4: Three-Year Ambient Air Quality Summary near the Project Site

Pollutant	Ambient Monitoring Site	Averaging Time	CAAQS	NAAQS	2018	2019	2020
O_3 (ppm)	Redlands-Dearborn	1 Hour	0.09 ppm	-	0.136	0.137	0.173
		8 Hour	0.070 ppm	0.075 ppm	0.1114	0.117	0.136
PM_{10} (µg/m^3)		24 Hour	50 µg/m^3	150 µg/m^3	74.2	44.9	87.7
		Annual Arithmetic Mean	20 µg/m^3	-	27	25	24
$PM_{2.5}$ (µg/m^3)	San Bernardino – 4th Street	24 Hour	-	35 µg/m^3	30.1	60.5	56.6
		Annual Arithmetic Mean	12 µg/m^3	15 µg/m^3	11.1	Data Not Provided	Data Not Provided
NO_2 (ppm)		Annual Arithmetic Mean	0.030 ppm	0.053 ppm	0.015	0.014	0.014
		1 Hour	0.18 ppm	-	0.057	0.059	0.054
All ambient emissions reported are assumed to be taken by the district in compliance with both the NAAQS and CAAQS. Methodologies for those measurements are discussed in Table 2.1 of this report.							

2.7 Localized Significance Thresholds

In June 2003 the SCAQMD proposed a methodology for calculating LSTs for NO_2, CO, $PM_{2.5}$ and PM_{10}. The LST methodology was developed to be used as a tool to assist lead agencies to analyze localized impacts associated with project-specific level proposed projects and would not be applicable to regional projects such as general plans. The LST methodology was last updated to incorporate the most recent ambient air quality standards (July 2008). (South Coast Air Quality Management District, 2008). The LST methodology is often utilized by most agencies governed under SCAQMD CEQA review. SCAQMD developed mass rate look-up tables for projects to assist agencies with development of LSTs (South Coast Air Quality Management District, 2014).

Per the requirements of SCAQMDs LSTs methodology, emissions for gases in attainment such as NO_2 and CO are calculated by adding emission impacts from the project development to the peak background ambient NO_2 and CO concentrations and comparing the total concentration to the most stringent ambient air quality standards. Also, according to SCAQMD Rule 403, emissions for non-attainment particulate matter such as PM 10 and PM 2.5 can

produce no more than 10.4 µg/m^3. The LSTs derived by SCAQMD differentiated by Source Receptor area for which the proposed project is would be represented by SRA #33 within the Southwest San Bernardino area. The project was analyzed using a construction schedule where all buildings are under construction simultaneously using the appropriate equipment and quantities for this scenario with a 5-acre disturbed area. Table 2.5 below shows the worst case project LST at 25 meters (SCAQMD, 2009).

Table 2.5: LST Emission Thresholds (5-Acre Site)

Pollutant	LST @ 25 meters (lb/day)
CO	2193
PM_{10} (Construction)	16
PM_{10} (Operation)	4
$PM_{2.5}$ (Construction)	9
$PM_{2.5}$ (Operation)	2
NO_2 (Corrected utilizing NO_2/NO_x Ratio) Construction and Operation	270

3.0 METHODOLOGY

3.1 Construction Emissions Calculations

Air Quality impacts related to construction and daily operations were calculated using the latest CalEEMod air quality model, which was developed by Breeze Software for SCAQMD in 2021. The City of Yucaipa recognizes the CalEEMod 2020.4.0 as the model of choice for projects of this nature.

The construction module in CalEEMod is used to calculate the emissions associated with the construction of the project. Construction emissions have several different types of sources which contribute to emissions of pollutants. These source types include off-road equipment usage, on-road vehicle travel, fugitive dust, architectural coating, and paving off-gassing. The CalEEMod construction module also uses OFFROAD2011 for default emission rates for construction equipment. The CalEEMod input/output model is shown in ***Attachment A*** to this report.

Fugitive dust calculations for grading within CalEEMod are based on methodologies described in Section 11.9, Western Surface Coal Mining, of the USEPA AP-42 which estimates the emission factor of PM_{10} applying a scaling factor to that of PM15. Similarly, the emission factor of $PM_{2.5}$ is scaled from that of total suspended particulates (TSP). This methodology was adopted by SCAQMD as the preferred method for fugitive dust emissions calculations. This method utilizes maximum area method based on assumed disturbed grading areas.

Significant health risks or increased risks of cancerous and non-cancerous health problems can occur when sensitive receptors (i.e. Schools, Daycares, or Residential Care Facilities) are exposed to Toxic Air Contaminants (TAC) for a significant quantity of time. Normally these impacts are analyzed over a period of 9, 30 or 70 years of continuous exposure or what is typically referred to as full lifetime and encompasses periods of potentially increased susceptibility to adverse health effects from chemical exposure, particularly during infancy, childhood and the later years of life. From a practical standpoint, chronic exposure for humans is considered to be greater than 12% of a lifetime of 70 years or at least 8 years in 70 (Office of Environmental Health Hazard Assessment, August 2003).

Health risks are analyzed for construction projects by completing air dispersion models for diesel particulates released onsite from diesel equipment onsite and using the dispersed emissions at nearby sensitive receptors to determine if cancer risks are increased to greater than 10 in one million. If this increased risk is greater than 10, the project would be required to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk.

Generally, this requires using equipment that has diesel particulate filters installed on the exhaust stacks of the equipment or specialized equipment designed to limit diesel particulates.

The United States EPA first began adopting emission standards for Non-road Diesel Engines in 1994. The standards are published in the US Code of Federal Regulations, Title 40, Part 89. The regulations are better known as the Tier 1-4 standards with each Tier generally requiring more stringent emission standards for diesel engines. Originally, this was limited to equipment sizes exceeding 50 HP. However, in 1998, Tier 1 regulations were also adopted for equipment under 50 HP and more stringent Tier 2 and Tier 3 standards for all equipment have been phased in from 2000 to 2008. The Tier 1-3 standards are met through advanced engine design, with no or only limited use of exhaust gas after treatment (oxidation catalysts) (DieselNet, 2013). It should also be noted that Tier 3 standards only apply to engines greater than 50 HP and Tier 1 and -2 standards are required for all portable engines.

On May 11, 2004, the EPA signed the final rule introducing Tier 4 emissions standards, which are to be phased in over the period of 2008-2015 under Federal Register 69 FR 38957-39273 (US EPA, 2004). The requirements of Tier 4 standards require that emissions of PM and NOx be further reduced by 90% which can be achieved through control technologies including advanced exhaust gas after treatment.

To simplify matters, the project applicant has indicated that all construction equipment would be at least Tier 3 but more likely Tier 4 rated since Tier 4 equipment is common. Given this, construction health risk impacts from diesel particulates would be less than significant.

3.2 Construction Assumptions

Pending approval, the Project is expected to kick off construction in early 2023 with full buildout expected in early 2024. The project site has some development onsite consisting of multiple buildings. To minimize dust and construction diesel particulate emissions, the project will wet the construction site at least three times daily and utilize at least Tier 3 diesel construction equipment. Table 3.1 shows the expected timeframes as well as the expected number of pieces of equipment to complete the project for the scenario identified.

Table 3.1: Expected Construction Equipment

Equipment Identification	Start Dates	Completion Dates	Quantity
Demolition	1/1/2023	1/27/2023	
Concrete/Industrial Saws			1
Excavators			3
Rubber Tired Dozers			2
Site Preparation	1/28/2023	2/10/2023	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	2/11/2023	3/10/2023	
Excavators			1
Graders			1
Rubber Tired Dozers			1
Tractors/Loaders/Backhoes			3
Paving	1/1/2024	1/26/2024	
Pavers			2
Paving Equipment			2
Rollers			2
Building Construction	3/11/2023	1/26/2024	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
Architectural Coating	12/2/2023	1/26/2024	
Air Compressors			1
This equipment list is based upon equipment inventory within CALLEEMOD 2020.4.0. The quantity and types are based upon discussions with the Project Engineer.			

3.3 Operational Emissions

Once construction is completed the proposed project would generate emissions from daily operations which would include sources such as Area, Energy, Mobile, Waste and Water uses, which are also calculated within CalEEMod. Area Sources include consumer products, landscaping and architectural coatings as part of regular maintenance. Energy sources would be from uses such as electricity and natural gas. Finally, mobile or transportation related emissions are calculated in CalEEMod through the use of EMFAC2017 and is based on standard trip generation rates encoded into the model. The operational model is also included in CalEEMod ***Attachments A*** at the end of this report.

3.4 Odor Impacts (Onsite)

Potential onsite odor generators would include short term construction odors from activities such as paving and possibly painting. The construction odors would be considered short term and would not be considered an impact. Given this the Project will not have a potential to create offensive odors and would therefore not be considered an impact under CEQA.

4.0 FINDINGS

4.1 Construction Findings

Based on the input parameters and construction design features identified in Section 3.2 of this report, no significant construction impacts are expected. Table 4.1 shows the calculated emissions from construction.

Table 4.1: Expected Construction Emissions Summary

Year	ROG	NO_x	CO	SO_2	PM_{10} (Dust)	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Dust)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
2023 (lb/day)	36.26	19.11	25.28	0.05	7.87	0.17	8.01	3.99	0.17	4.14
2024 (lb/day)	37.16	28.66	42.63	0.07	1.87	0.26	2.13	0.50	0.26	0.76
Significance Threshold (lb/day)	**75**	**100**	**550**	**150**	**-**	**-**	**150**	**-**	**-**	**55**
Exceeds Screening Threshold	**No**	**No**	**No**	**No**	**-**	**-**	**No**	**-**	**-**	**No**

4.2 Localized Significance Thresholds

SCAQMD also recommends using LST methodology which incorporates background ambient air quality data. Based on the recommend methodologies, mobile offsite emission should not be included. Table 4.2 shows the modeled estimates for both construction and operations excluding offsite mobile emissions. Furthermore, the worst case LST is at 25 meters from the project centroid and will be utilized for this project. Since this is worst case, if the project complies at 25 meters, it will comply at all locations beyond this distance. Based on the modeling results, no LST impacts are expected.

Table 4.2: On-Site Daily Emissions for Comparison to LSTs

Pollutant	Project without Offsite mobile emissions (lb/day)	LST SRA 23 5-Acre (lb/day)	Significant?
CO (Construction)	42.63	2,193	No
CO (Operation)	0.02	2,193	No
PM_{10} (Construction)	8.01	16	No
PM_{10} (Operation)	0.01	4	No
$PM_{2.5}$ (Construction)	4.14	9	No
$PM_{2.5}$ (Operation)	0.01	2	No
NO_x (Construction)	28.66	270	No
NO_x (Operation)	0.08	270	No

4.3 Operational Findings

Once construction is completed the proposed project would generate air quality emissions from daily operations which are calculated within CalEEMod. Based on the input parameters identified in Section 3.2 of this report, no operational impacts would be expected. Operational emissions are shown in Table 4.3.

Table 4.3: Expected Daily Pollutant Generation

	ROG	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
Summer Scenario						
Area Source Emission Estimates (Lb/Day)	3.35	0.00	0.03	0.00	0.00	0.00
Energy Source Emissions (Lb/Day)	0.01	0.08	0.07	0.00	0.01	0.01
Operational Vehicle Emissions (Lb/Day)	0.94	1.31	10.13	0.02	2.34	0.64
Total (Lb/Day)	**4.30**	**1.39**	**10.22**	**0.02**	**2.35**	**0.64**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Winter Scenario						
Area Source Emission Estimates (Lb/Day)	3.35	0.00	0.03	0.00	0.00	0.00
Energy Source Emissions (Lb/Day)	0.01	0.08	0.07	0.00	0.01	0.01
Operational Vehicle Emissions (Lb/Day)	0.83	1.39	8.96	0.02	2.34	0.64
Total (Lb/Day)	**4.19**	**1.47**	**9.05**	**0.02**	**2.35**	**0.64**
SCAQMD Thresholds	**55**	**55**	**550**	**150**	**150**	**55**
Significant?	**No**	**No**	**No**	**No**	**No**	**No**
Daily pollutant generation assumes trip distances within CALLEEMOD 2020.4.0						

4.4 Odor Impact Findings

Odor impacts from construction operations would be considered short term events and would not be considered an impact. Long term operations will not create offensive odors and would not create any operational odor impacts.

4.5 Conclusion of Findings

During construction of the proposed Project, fugitive dust emissions would be expected but would not exceed thresholds established by the SCAQMD. Given this, no construction mitigation will require mitigation.

Additionally, emissions will be generated from both project area and operational sources once the project is fully operational in 2024 though no air quality impacts would be expected. The project was analyzed under localized significance thresholds for both construction and operations and was found to generate less than significant impacts.

Finally, the proposed Project would not be expected to generate offensive odors and would therefore not impact any sensitive receptors.

The project is seeking to change the land use designation of a split-zoned parcel (APN 0318-011-48), currently designated RS-20M (Single Residential) (1.43 acres) and GC (General Commercial) (4.5-acres), to a single land use designation of CG (General Commercial) totaling 5.93-acres. The proposed zone modification would be consistent with the larger GC zone of the site. The project was compared against localized significance thresholds which includes background ambient air quality emissions. The Project was found to have less than significant direct air quality emissions. Also, since LSTs are less than significant, cumulative air quality impacts would also be less than significant.

As identified in this report, the project will implement Project Design Features which have an effect on reducing air quality emissions. These features were assumed within this analysis and modeled results assume the features are implemented. Based on this, the following design features will be a condition for approval by the City of Yucaipa.

1. In accordance with SCAQMDs Rule 403. All soil will be wetted three times daily during earthwork activities.
2. The Project shall utilize 100 percent Tier 3 or better diesel construction equipment during construction operations of the Project.

5.0 REFERENCES

California. (2018). *Final Adopted Text for Revisions to the CEQA Guidelines.* Retrieved from http://resources.ca.gov/ceqa/docs/2018_CEQA_FINAL_TEXT_122818.pdf

California Air Resources Board. (2021). *www.arb.gov*. Retrieved from iADAM: Air Quality Data Statistics: https://www.arb.ca.gov/adam/topfour/topfourdisplay.php

California Air Resources Board. (5/4/2016). *www.arb.ca.gov.* Retrieved from Ambient Air Quality Standards: http://www.arb.ca.gov/research/aaqs/aaqs2.pdf

City Data. (2022). *http://www.city-data.com*. Retrieved from https://www.city-data.com/city/Yucaipa-California.html#b

DDCA Architects. (2022). *Architectural Site Plan.*

DieselNet. (2013). *Emission Standards - Nonroad Diesel Engines*. Retrieved from http://www.dieselnet.com/standards/us/nonroad.php

Google. (2022). Retrieved from www.maps.google.com

Office of Environmental Health Hazard Assessment. (August 2003). *Air Toxics Hot Spots Program Risk Assessment Guidelines - The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments.* Office of Environmental Health Hazard Assessment. Oakland: Office of Environmental Health Hazard Assessment. Retrieved 2015, from http://oehha.ca.gov/air/hot_spots/pdf/HRAfinalnoapp.pdf

SCAQMD. (2009, Oct 21). *Localized Significance Thresholds Lookup Tables.* Retrieved 2015, from http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/appendix-c-mass-rate-lst-look-up-tables.pdf?sfvrsn=2

SCAQMD. (2016). Air Quality Management Plan (AQMP). CA. Retrieved June 6, 2016, from http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp

South Coast Air Quality Management District. (2008, July). *Finalized Localized Significance Threshold Methodology.* Retrieved from http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf

South Coast Air Quality Management District. (2014). *Localized Significance Thresholds*. Retrieved 2014, from http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds

US EPA. (2004, June 29). *Federal Register / Vol. 69, NO. 124.* Retrieved 2015, from http://www.gpo.gov/fdsys/pkg/FR-2004-06-29/pdf/04-11293.pdf

ATTACHMENT A

CALLEEMOD 2020.4.0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

U-Store-It Yucaipa

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	147.70	1000sqft	3.79	147,700.00	0
Parking Lot	107.20	1000sqft	2.46	107,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 6.25 acre site

Construction Phase - cs

Demolition -

Construction Off-road Equipment Mitigation - t3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	40.00
tblLandUse	LotAcreage	3.39	3.79

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	37.2889	27.5666	23.5003	0.0502	19.8582	1.2670	21.1252	10.1558	1.1657	11.3215	0.0000	4,950.4501	4,950.4501	1.1969	0.1498	5,012.0103
2024	38.5050	25.9730	38.2325	0.0740	1.8675	1.1612	3.0287	0.5014	1.0863	1.5877	0.0000	7,269.2886	7,269.2886	1.3862	0.1492	7,348.4116
Maximum	**38.5050**	**27.5666**	**38.2325**	**0.0740**	**19.8582**	**1.2670**	**21.1252**	**10.1558**	**1.1657**	**11.3215**	**0.0000**	**7,269.2886**	**7,269.2886**	**1.3862**	**0.1498**	**7,348.4116**

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					
2023	36.2578	19.1081	25.2781	0.0502	7.8674	0.1679	8.0103	3.9933	0.1669	4.1361	0.0000	4,950.4501	4,950.4501	1.1969	0.1498	5,012.0103
2024	37.1588	28.6641	42.6316	0.0740	1.8675	0.2597	2.1272	0.5014	0.2586	0.7600	0.0000	7,269.2886	7,269.2886	1.3862	0.1492	7,348.4115
Maximum	**37.1588**	**28.6641**	**42.6316**	**0.0740**	**7.8674**	**0.2597**	**8.0103**	**3.9933**	**0.2586**	**4.1361**	**0.0000**	**7,269.2886**	**7,269.2886**	**1.3862**	**0.1498**	**7,348.4115**

U-Store-It Yucaipa - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.14**	**10.77**	**-10.01**	**0.00**	**55.19**	**82.39**	**58.03**	**57.82**	**81.10**	**62.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Energy	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Mobile	0.9419	1.3128	10.1259	0.0231	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,389.6229	2,389.6229	0.1158	0.1040	2,423.5041
Total	**4.2988**	**1.3928**	**10.2189**	**0.0235**	**2.3257**	**0.0234**	**2.3491**	**0.6203**	**0.0223**	**0.6426**		**2,485.3683**	**2,485.3683**	**0.1178**	**0.1057**	**2,519.8218**

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	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Energy	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Mobile	0.9419	1.3128	10.1259	0.0231	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,389.6229	2,389.6229	0.1158	0.1040	2,423.5041
Total	**4.2988**	**1.3928**	**10.2189**	**0.0235**	**2.3257**	**0.0234**	**2.3491**	**0.6203**	**0.0223**	**0.6426**		**2,485.3683**	**2,485.3683**	**0.1178**	**0.1057**	**2,519.8218**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	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	1/1/2023	1/27/2023	5	20	
2	Site Preparation	Site Preparation	1/28/2023	2/10/2023	5	10	
3	Grading	Grading	2/11/2023	3/10/2023	5	20	
4	Building Construction	Building Construction	3/11/2023	1/26/2024	5	230	
5	Architectural Coating	Architectural Coating	12/2/2023	1/26/2024	5	40	
6	Paving	Paving	1/1/2024	1/26/2024	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.46

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,550; Non-Residential Outdoor: 73,850; Striped Parking Area: 6,432 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	23.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	107.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2461	0.0000	0.2461	0.0373	0.0000	0.0373			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.2461**	**0.9975**	**1.2436**	**0.0373**	**0.9280**	**0.9653**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	2.7700e-003	0.1265	0.0385	6.5000e-004	0.0201	1.3300e-003	0.0215	5.5200e-003	1.2700e-003	6.7900e-003		70.3998	70.3998	3.0000e-003	0.0112	73.8002
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
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0614**	**0.1619**	**0.6042**	**2.1500e-003**	**0.1878**	**2.1600e-003**	**0.1900**	**0.0500**	**2.0300e-003**	**0.0520**		**223.6500**	**223.6500**	**6.6600e-003**	**0.0148**	**228.2159**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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					0.0960	0.0000	0.0960	0.0145	0.0000	0.0145			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.1294	0.1294		0.1294	0.1294	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**0.9246**	**18.3130**	**24.6739**	**0.0388**	**0.0960**	**0.1294**	**0.2254**	**0.0145**	**0.1294**	**0.1439**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	2.7700e-003	0.1265	0.0385	6.5000e-004	0.0201	1.3300e-003	0.0215	5.5200e-003	1.2700e-003	6.7900e-003		70.3998	70.3998	3.0000e-003	0.0112	73.8002
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
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0614**	**0.1619**	**0.6042**	**2.1500e-003**	**0.1878**	**2.1600e-003**	**0.1900**	**0.0500**	**2.0300e-003**	**0.0520**		**223.6500**	**223.6500**	**6.6600e-003**	**0.0148**	**228.2159**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.1419	0.1419		0.1419	0.1419	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**0.9312**	**19.0656**	**22.9600**	**0.0381**	**7.6662**	**0.1419**	**7.8082**	**3.9400**	**0.1419**	**4.0819**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0704	0.0425	0.6788	1.8000e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		183.9003	183.9003	4.3900e-003	4.3200e-003	185.2988
Total	**0.0704**	**0.0425**	**0.6788**	**1.8000e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**183.9003**	**183.9003**	**4.3900e-003**	**4.3200e-003**	**185.2988**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.0826**	**0.7749**	**7.8575**	**3.4247**	**0.7129**	**4.1377**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0587**	**0.0354**	**0.5657**	**1.5000e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**153.2503**	**153.2503**	**3.6600e-003**	**3.6000e-003**	**154.4157**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.1133	0.1133		0.1133	0.1133	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**0.7263**	**14.8397**	**18.9906**	**0.0297**	**2.7622**	**0.1133**	**2.8755**	**1.3357**	**0.1133**	**1.4490**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0587	0.0354	0.5657	1.5000e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		153.2503	153.2503	3.6600e-003	3.6000e-003	154.4157
Total	**0.0587**	**0.0354**	**0.5657**	**1.5000e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**153.2503**	**153.2503**	**3.6600e-003**	**3.6000e-003**	**154.4157**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.0000
Vendor	0.0492	1.4732	0.6182	7.5200e-003	0.2691	0.0111	0.2802	0.0775	0.0106	0.0881		806.0564	806.0564	0.0211	0.1190	842.0547
Worker	0.4184	0.2525	4.0351	0.0107	1.1960	5.9100e-003	1.2019	0.3172	5.4400e-003	0.3226		1,093.1853	1,093.1853	0.0261	0.0257	1,101.4986
Total	**0.4676**	**1.7256**	**4.6532**	**0.0182**	**1.4651**	**0.0170**	**1.4821**	**0.3947**	**0.0160**	**0.4107**		**1,899.2417**	**1,899.2417**	**0.0472**	**0.1447**	**1,943.5533**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

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	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**0.6739**	**14.2261**	**17.8738**	**0.0269**		**0.1355**	**0.1355**		**0.1355**	**0.1355**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.0000
Vendor	0.0492	1.4732	0.6182	7.5200e-003	0.2691	0.0111	0.2802	0.0775	0.0106	0.0881		806.0564	806.0564	0.0211	0.1190	842.0547
Worker	0.4184	0.2525	4.0351	0.0107	1.1960	5.9100e-003	1.2019	0.3172	5.4400e-003	0.3226		1,093.1853	1,093.1853	0.0261	0.0257	1,101.4986
Total	**0.4676**	**1.7256**	**4.6532**	**0.0182**	**1.4651**	**0.0170**	**1.4821**	**0.3947**	**0.0160**	**0.4107**		**1,899.2417**	**1,899.2417**	**0.0472**	**0.1447**	**1,943.5533**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0480	1.4863	0.6079	7.4100e-003	0.2691	0.0109	0.2800	0.0775	0.0104	0.0879		794.9524	794.9524	0.0204	0.1174	830.4415
Worker	0.3887	0.2241	3.7576	0.0104	1.1960	5.6800e-003	1.2017	0.3172	5.2300e-003	0.3224		1,069.7322	1,069.7322	0.0236	0.0238	1,077.4240
Total	**0.4367**	**1.7104**	**4.3655**	**0.0178**	**1.4651**	**0.0166**	**1.4817**	**0.3947**	**0.0157**	**0.4103**		**1,864.6846**	**1,864.6846**	**0.0441**	**0.1412**	**1,907.8655**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

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	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**0.6739**	**14.2261**	**17.8738**	**0.0270**		**0.1355**	**0.1355**		**0.1355**	**0.1355**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0480	1.4863	0.6079	7.4100e-003	0.2691	0.0109	0.2800	0.0775	0.0104	0.0879		794.9524	794.9524	0.0204	0.1174	830.4415
Worker	0.3887	0.2241	3.7576	0.0104	1.1960	5.6800e-003	1.2017	0.3172	5.2300e-003	0.3224		1,069.7322	1,069.7322	0.0236	0.0238	1,077.4240
Total	**0.4367**	**1.7104**	**4.3655**	**0.0178**	**1.4651**	**0.0166**	**1.4817**	**0.3947**	**0.0157**	**0.4103**		**1,864.6846**	**1,864.6846**	**0.0441**	**0.1412**	**1,907.8655**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**35.1664**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0821	0.0496	0.7919	2.1000e-003	0.2347	1.1600e-003	0.2359	0.0623	1.0700e-003	0.0633		214.5504	214.5504	5.1200e-003	5.0500e-003	216.1820
Total	**0.0821**	**0.0496**	**0.7919**	**2.1000e-003**	**0.2347**	**1.1600e-003**	**0.2359**	**0.0623**	**1.0700e-003**	**0.0633**		**214.5504**	**214.5504**	**5.1200e-003**	**5.0500e-003**	**216.1820**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**35.0342**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0821	0.0496	0.7919	2.1000e-003	0.2347	1.1600e-003	0.2359	0.0623	1.0700e-003	0.0633		214.5504	214.5504	5.1200e-003	5.0500e-003	216.1820
Total	**0.0821**	**0.0496**	**0.7919**	**2.1000e-003**	**0.2347**	**1.1600e-003**	**0.2359**	**0.0623**	**1.0700e-003**	**0.0633**		**214.5504**	**214.5504**	**5.1200e-003**	**5.0500e-003**	**216.1820**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**35.1555**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0763	0.0440	0.7375	2.0400e-003	0.2347	1.1100e-003	0.2358	0.0623	1.0300e-003	0.0633		209.9474	209.9474	4.6400e-003	4.6800e-003	211.4571
Total	**0.0763**	**0.0440**	**0.7375**	**2.0400e-003**	**0.2347**	**1.1100e-003**	**0.2358**	**0.0623**	**1.0300e-003**	**0.0633**		**209.9474**	**209.9474**	**4.6400e-003**	**4.6800e-003**	**211.4571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**35.0342**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0763	0.0440	0.7375	2.0400e-003	0.2347	1.1100e-003	0.2358	0.0623	1.0300e-003	0.0633		209.9474	209.9474	4.6400e-003	4.6800e-003	211.4571
Total	**0.0763**	**0.0440**	**0.7375**	**2.0400e-003**	**0.2347**	**1.1100e-003**	**0.2358**	**0.0623**	**1.0300e-003**	**0.0633**		**209.9474**	**209.9474**	**4.6400e-003**	**4.6800e-003**	**211.4571**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3104**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

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	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8832**	**11.2952**	**17.2957**	**0.0228**		**0.0914**	**0.0914**		**0.0914**	**0.0914**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0545	0.0314	0.5268	1.4500e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		149.9625	149.9625	3.3100e-003	3.3400e-003	151.0408
Total	**0.0545**	**0.0314**	**0.5268**	**1.4500e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**149.9625**	**149.9625**	**3.3100e-003**	**3.3400e-003**	**151.0408**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.9419	1.3128	10.1259	0.0231	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,389.6229	2,389.6229	0.1158	0.1040	2,423.5041
Unmitigated	0.9419	1.3128	10.1259	0.0231	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,389.6229	2,389.6229	0.1158	0.1040	2,423.5041

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	257.00	257.00	257.00	1,101,421	1,101,421
Total	257.00	257.00	257.00	1,101,421	1,101,421

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
NaturalGas Unmitigated	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	813.362	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Total		**8.7700e-003**	**0.0797**	**0.0670**	**4.8000e-004**		**6.0600e-003**	**6.0600e-003**		**6.0600e-003**	**6.0600e-003**		**95.6896**	**95.6896**	**1.8300e-003**	**1.7500e-003**	**96.2582**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.813362	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Total		**8.7700e-003**	**0.0797**	**0.0670**	**4.8000e-004**		**6.0600e-003**	**6.0600e-003**		**6.0600e-003**	**6.0600e-003**		**95.6896**	**95.6896**	**1.8300e-003**	**1.7500e-003**	**96.2582**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Unmitigated	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594

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	0.3833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Total	**3.3481**	**2.4000e-004**	**0.0260**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0558**	**0.0558**	**1.5000e-004**		**0.0594**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Total	**3.3481**	**2.4000e-004**	**0.0260**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0558**	**0.0558**	**1.5000e-004**		**0.0594**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

U-Store-It Yucaipa

San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	147.70	1000sqft	3.79	147,700.00	0
Parking Lot	107.20	1000sqft	2.46	107,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 6.25 acre site

Construction Phase - cs

Demolition -

Construction Off-road Equipment Mitigation - t3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	40.00
tblLandUse	LotAcreage	3.39	3.79

2.0 Emissions Summary

U-Store-It Yucaipa - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	37.2671	27.5688	22.6652	0.0490	19.8582	1.2670	21.1252	10.1558	1.1657	11.3215	0.0000	4,829.4444	4,829.4444	1.1970	0.1511	4,891.4062
2024	38.4837	26.0717	37.3674	0.0727	1.8675	1.1613	3.0288	0.5014	1.0863	1.5877	0.0000	7,137.0912	7,137.0912	1.3861	0.1506	7,216.6219
Maximum	**38.4837**	**27.5688**	**37.3674**	**0.0727**	**19.8582**	**1.2670**	**21.1252**	**10.1558**	**1.1657**	**11.3215**	**0.0000**	**7,137.0912**	**7,137.0912**	**1.3861**	**0.1511**	**7,216.6219**

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					
2023	36.2360	19.1103	25.1787	0.0490	7.8674	0.1680	8.0103	3.9933	0.1669	4.1361	0.0000	4,829.4444	4,829.4444	1.1970	0.1511	4,891.4062
2024	37.1375	28.7628	41.7665	0.0727	1.8675	0.2597	2.1272	0.5014	0.2587	0.7600	0.0000	7,137.0912	7,137.0912	1.3861	0.1506	7,216.6219
Maximum	**37.1375**	**28.7628**	**41.7665**	**0.0727**	**7.8674**	**0.2597**	**8.0103**	**3.9933**	**0.2587**	**4.1361**	**0.0000**	**7,137.0912**	**7,137.0912**	**1.3861**	**0.1511**	**7,216.6219**

U-Store-It Yucaipa - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.14**	**10.75**	**-11.51**	**0.00**	**55.19**	**82.39**	**58.03**	**57.82**	**81.10**	**62.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Energy	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Mobile	0.8316	1.3942	8.9572	0.0214	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,216.1166	2,216.1166	0.1175	0.1065	2,250.7904
Total	**4.1885**	**1.4741**	**9.0502**	**0.0219**	**2.3257**	**0.0234**	**2.3491**	**0.6203**	**0.0223**	**0.6426**		**2,311.8620**	**2,311.8620**	**0.1195**	**0.1082**	**2,347.1081**

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	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Energy	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Mobile	0.8316	1.3942	8.9572	0.0214	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,216.1166	2,216.1166	0.1175	0.1065	2,250.7904
Total	**4.1885**	**1.4741**	**9.0502**	**0.0219**	**2.3257**	**0.0234**	**2.3491**	**0.6203**	**0.0223**	**0.6426**		**2,311.8620**	**2,311.8620**	**0.1195**	**0.1082**	**2,347.1081**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	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	1/1/2023	1/27/2023	5	20	
2	Site Preparation	Site Preparation	1/28/2023	2/10/2023	5	10	
3	Grading	Grading	2/11/2023	3/10/2023	5	20	
4	Building Construction	Building Construction	3/11/2023	1/26/2024	5	230	
5	Architectural Coating	Architectural Coating	12/2/2023	1/26/2024	5	40	
6	Paving	Paving	1/1/2024	1/26/2024	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.46

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,550; Non-Residential Outdoor: 73,850; Striped Parking Area: 6,432 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	23.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	107.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2461	0.0000	0.2461	0.0373	0.0000	0.0373			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**0.2461**	**0.9975**	**1.2436**	**0.0373**	**0.9280**	**0.9653**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	2.5600e-003	0.1333	0.0392	6.5000e-004	0.0201	1.3300e-003	0.0215	5.5200e-003	1.2700e-003	6.8000e-003		70.5060	70.5060	2.9900e-003	0.0112	73.9111
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
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0591**	**0.1705**	**0.5048**	**2.0100e-003**	**0.1878**	**2.1600e-003**	**0.1900**	**0.0500**	**2.0300e-003**	**0.0520**		**209.3469**	**209.3469**	**6.6500e-003**	**0.0149**	**213.9520**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

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					0.0960	0.0000	0.0960	0.0145	0.0000	0.0145			0.0000			0.0000
Off-Road	0.9246	18.3130	24.6739	0.0388		0.1294	0.1294		0.1294	0.1294	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**0.9246**	**18.3130**	**24.6739**	**0.0388**	**0.0960**	**0.1294**	**0.2254**	**0.0145**	**0.1294**	**0.1439**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

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	2.5600e-003	0.1333	0.0392	6.5000e-004	0.0201	1.3300e-003	0.0215	5.5200e-003	1.2700e-003	6.8000e-003		70.5060	70.5060	2.9900e-003	0.0112	73.9111
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
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0591**	**0.1705**	**0.5048**	**2.0100e-003**	**0.1878**	**2.1600e-003**	**0.1900**	**0.0500**	**2.0300e-003**	**0.0520**		**209.3469**	**209.3469**	**6.6500e-003**	**0.0149**	**213.9520**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**19.6570**	**1.2660**	**20.9230**	**10.1025**	**1.1647**	**11.2672**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.1419	0.1419		0.1419	0.1419	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**0.9312**	**19.0656**	**22.9600**	**0.0381**	**7.6662**	**0.1419**	**7.8082**	**3.9400**	**0.1419**	**4.0819**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0447	0.5587	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		166.6090	166.6090	4.4000e-003	4.4600e-003	168.0491
Total	**0.0678**	**0.0447**	**0.5587**	**1.6300e-003**	**0.2012**	**9.9000e-004**	**0.2022**	**0.0534**	**9.1000e-004**	**0.0543**		**166.6090**	**166.6090**	**4.4000e-003**	**4.4600e-003**	**168.0491**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**1.7109**	**17.9359**	**14.7507**	**0.0297**	**7.0826**	**0.7749**	**7.8575**	**3.4247**	**0.7129**	**4.1377**		**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0565**	**0.0372**	**0.4656**	**1.3600e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**138.8409**	**138.8409**	**3.6600e-003**	**3.7200e-003**	**140.0409**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.1133	0.1133		0.1133	0.1133	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	**0.7263**	**14.8397**	**18.9906**	**0.0297**	**2.7622**	**0.1133**	**2.8755**	**1.3357**	**0.1133**	**1.4490**	**0.0000**	**2,872.6910**	**2,872.6910**	**0.9291**		**2,895.9182**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0565	0.0372	0.4656	1.3600e-003	0.1677	8.3000e-004	0.1685	0.0445	7.6000e-004	0.0452		138.8409	138.8409	3.6600e-003	3.7200e-003	140.0409
Total	**0.0565**	**0.0372**	**0.4656**	**1.3600e-003**	**0.1677**	**8.3000e-004**	**0.1685**	**0.0445**	**7.6000e-004**	**0.0452**		**138.8409**	**138.8409**	**3.6600e-003**	**3.7200e-003**	**140.0409**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**1.5728**	**14.3849**	**16.2440**	**0.0269**		**0.6997**	**0.6997**		**0.6584**	**0.6584**		**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.0000
Vendor	0.0457	1.5561	0.6372	7.5300e-003	0.2691	0.0111	0.2802	0.0775	0.0106	0.0881		808.0111	808.0111	0.0209	0.1194	844.1155
Worker	0.4030	0.2655	3.3211	9.6800e-003	1.1960	5.9100e-003	1.2019	0.3172	5.4400e-003	0.3226		990.3981	990.3981	0.0261	0.0265	998.9584
Total	**0.4488**	**1.8215**	**3.9583**	**0.0172**	**1.4651**	**0.0170**	**1.4821**	**0.3947**	**0.0161**	**0.4108**		**1,798.4093**	**1,798.4093**	**0.0470**	**0.1459**	**1,843.0739**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

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	0.6739	14.2261	17.8738	0.0269		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	**0.6739**	**14.2261**	**17.8738**	**0.0269**		**0.1355**	**0.1355**		**0.1355**	**0.1355**	**0.0000**	**2,555.2099**	**2,555.2099**	**0.6079**		**2,570.4061**

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	0.0000
Vendor	0.0457	1.5561	0.6372	7.5300e-003	0.2691	0.0111	0.2802	0.0775	0.0106	0.0881		808.0111	808.0111	0.0209	0.1194	844.1155
Worker	0.4030	0.2655	3.3211	9.6800e-003	1.1960	5.9100e-003	1.2019	0.3172	5.4400e-003	0.3226		990.3981	990.3981	0.0261	0.0265	998.9584
Total	**0.4488**	**1.8215**	**3.9583**	**0.0172**	**1.4651**	**0.0170**	**1.4821**	**0.3947**	**0.0161**	**0.4108**		**1,798.4093**	**1,798.4093**	**0.0470**	**0.1459**	**1,843.0739**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0446	1.5697	0.6268	7.4300e-003	0.2691	0.0109	0.2800	0.0775	0.0105	0.0880		796.8953	796.8953	0.0203	0.1177	832.4879
Worker	0.3753	0.2356	3.0962	9.4000e-003	1.1960	5.6800e-003	1.2017	0.3172	5.2300e-003	0.3224		969.3614	969.3614	0.0237	0.0246	977.2810
Total	**0.4199**	**1.8053**	**3.7230**	**0.0168**	**1.4651**	**0.0166**	**1.4817**	**0.3947**	**0.0157**	**0.4104**		**1,766.2567**	**1,766.2567**	**0.0440**	**0.1423**	**1,809.7689**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

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	0.6739	14.2261	17.8738	0.0270		0.1355	0.1355		0.1355	0.1355	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**0.6739**	**14.2261**	**17.8738**	**0.0270**		**0.1355**	**0.1355**		**0.1355**	**0.1355**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

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	0.0000
Vendor	0.0446	1.5697	0.6268	7.4300e-003	0.2691	0.0109	0.2800	0.0775	0.0105	0.0880		796.8953	796.8953	0.0203	0.1177	832.4879
Worker	0.3753	0.2356	3.0962	9.4000e-003	1.1960	5.6800e-003	1.2017	0.3172	5.2300e-003	0.3224		969.3614	969.3614	0.0237	0.0246	977.2810
Total	**0.4199**	**1.8053**	**3.7230**	**0.0168**	**1.4651**	**0.0166**	**1.4817**	**0.3947**	**0.0157**	**0.4104**		**1,766.2567**	**1,766.2567**	**0.0440**	**0.1423**	**1,809.7689**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**35.1664**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0791	0.0521	0.6518	1.9000e-003	0.2347	1.1600e-003	0.2359	0.0623	1.0700e-003	0.0633		194.3772	194.3772	5.1300e-003	5.2100e-003	196.0573
Total	**0.0791**	**0.0521**	**0.6518**	**1.9000e-003**	**0.2347**	**1.1600e-003**	**0.2359**	**0.0623**	**1.0700e-003**	**0.0633**		**194.3772**	**194.3772**	**5.1300e-003**	**5.2100e-003**	**196.0573**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**35.0342**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0791	0.0521	0.6518	1.9000e-003	0.2347	1.1600e-003	0.2359	0.0623	1.0700e-003	0.0633		194.3772	194.3772	5.1300e-003	5.2100e-003	196.0573
Total	**0.0791**	**0.0521**	**0.6518**	**1.9000e-003**	**0.2347**	**1.1600e-003**	**0.2359**	**0.0623**	**1.0700e-003**	**0.0633**		**194.3772**	**194.3772**	**5.1300e-003**	**5.2100e-003**	**196.0573**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**35.1555**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0462	0.6077	1.8400e-003	0.2347	1.1100e-003	0.2358	0.0623	1.0300e-003	0.0633		190.2485	190.2485	4.6500e-003	4.8300e-003	191.8028
Total	**0.0737**	**0.0462**	**0.6077**	**1.8400e-003**	**0.2347**	**1.1100e-003**	**0.2358**	**0.0623**	**1.0300e-003**	**0.0633**		**190.2485**	**190.2485**	**4.6500e-003**	**4.8300e-003**	**191.8028**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.9748					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0143	0.0143		0.0143	0.0143	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**35.0342**	**1.3570**	**1.8324**	**2.9700e-003**		**0.0143**	**0.0143**		**0.0143**	**0.0143**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0737	0.0462	0.6077	1.8400e-003	0.2347	1.1100e-003	0.2358	0.0623	1.0300e-003	0.0633		190.2485	190.2485	4.6500e-003	4.8300e-003	191.8028
Total	**0.0737**	**0.0462**	**0.6077**	**1.8400e-003**	**0.2347**	**1.1100e-003**	**0.2358**	**0.0623**	**1.0300e-003**	**0.0633**		**190.2485**	**190.2485**	**4.6500e-003**	**4.8300e-003**	**191.8028**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3104**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

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	0.5609	11.2952	17.2957	0.0228		0.0914	0.0914		0.0914	0.0914	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8832**	**11.2952**	**17.2957**	**0.0228**		**0.0914**	**0.0914**		**0.0914**	**0.0914**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0526	0.0330	0.4340	1.3200e-003	0.1677	8.0000e-004	0.1685	0.0445	7.3000e-004	0.0452		135.8918	135.8918	3.3200e-003	3.4500e-003	137.0020
Total	**0.0526**	**0.0330**	**0.4340**	**1.3200e-003**	**0.1677**	**8.0000e-004**	**0.1685**	**0.0445**	**7.3000e-004**	**0.0452**		**135.8918**	**135.8918**	**3.3200e-003**	**3.4500e-003**	**137.0020**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.8316	1.3942	8.9572	0.0214	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,216.1166	2,216.1166	0.1175	0.1065	2,250.7904
Unmitigated	0.8316	1.3942	8.9572	0.0214	2.3257	0.0173	2.3430	0.6203	0.0162	0.6364		2,216.1166	2,216.1166	0.1175	0.1065	2,250.7904

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	257.00	257.00	257.00	1,101,421	1,101,421
Total	257.00	257.00	257.00	1,101,421	1,101,421

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
NaturalGas Unmitigated	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	813.362	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Total		**8.7700e-003**	**0.0797**	**0.0670**	**4.8000e-004**		**6.0600e-003**	**6.0600e-003**		**6.0600e-003**	**6.0600e-003**		**95.6896**	**95.6896**	**1.8300e-003**	**1.7500e-003**	**96.2582**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.813362	8.7700e-003	0.0797	0.0670	4.8000e-004		6.0600e-003	6.0600e-003		6.0600e-003	6.0600e-003		95.6896	95.6896	1.8300e-003	1.7500e-003	96.2582
Total		**8.7700e-003**	**0.0797**	**0.0670**	**4.8000e-004**		**6.0600e-003**	**6.0600e-003**		**6.0600e-003**	**6.0600e-003**		**95.6896**	**95.6896**	**1.8300e-003**	**1.7500e-003**	**96.2582**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Unmitigated	3.3481	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594

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	0.3833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Total	**3.3481**	**2.4000e-004**	**0.0260**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0558**	**0.0558**	**1.5000e-004**		**0.0594**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3833					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-003	2.4000e-004	0.0260	0.0000		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		0.0558	0.0558	1.5000e-004		0.0594
Total	**3.3481**	**2.4000e-004**	**0.0260**	**0.0000**		**9.0000e-005**	**9.0000e-005**		**9.0000e-005**	**9.0000e-005**		**0.0558**	**0.0558**	**1.5000e-004**		**0.0594**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Ldn Consulting, Inc.

42428 Chisolm Trail Murrieta, CA 92562 ***phone 760-473-1253***
www.ldnconsulting.net ***fax 760-689-4943***

April 26, 2022

U-Stor-It
501 W. Broadway Suite 2020
San Diego, CA 92101

RE: Energy Use and Conservation – Case # 21-202 U-Store-It Self Storage Development in the City of Yucaipa, CA

This analysis evaluates both construction and operational energy efficiency as it relates to non-renewable fuel sources including Electrical, Natural Gas, Diesel and Gasoline. This effort was prepared according to requirements established within Public Resource Code (PRC) Section 21100(b)(3) and California Environmental Quality Act (CEQA) Guidelines Section 15126.4. The intent is to adequately address the following CEQA questions:

Would the project:

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

Project Description

The proposed Project site is generally located at the southwest corner Yucaipa Boulevard and 11th Street in the City of Yucaipa. The project development plan calls for the construction of five separate buildings with a total floor area of 147,668 Square Feet (SF) and will be used for a self-storage facility. In addition, the Project will provide recreational vehicle storage. The project is seeking a rezone of a split zoned parcel (Assessor Parcel No. 031-801-148) by rezoning remaining portions designated under Single Family Residential (R-1) to General Commercial (CG) in order to bring the entire parcel under CG designation. Construction of the project is proposed in early 2023 with buildout expected early 2024. The proposed project will consume electricity, natural gas, diesel and gasoline for both construction and operations activities.

Construction

Energy usage for construction equipment is best estimated using total horsepower hours and an assumed thermal efficiency of 30%. The most common measure of the energy efficiency of a tractor is referred to here as "specific volumetric fuel consumption" (SVFC), which is given in units of gallons per horsepower-hour (gal/hp-h). SVFC for diesel engines typically ranges from

Ldn Consulting, Inc.
42428 Chisolm Trail
Murrieta CA 92562
phone 760-473-1253

0.0476 to 0.1110 gal/hp-h. Inverting these numbers yields a range of between 12 – 21 hp-h/gal. Over the last 30 years, fuel efficiency at maximum power has increased from roughly 14.5 to 16.5 hp-h/gal (VirginiaTech, 2010).

Project construction dates were estimated based on an estimated construction kickoff starting in the summer of 2022 and completing the project four months later. Based on the equipment, quantity, work time, Horsepower (HP), the project would require a total of 179,124 hp-h (See Table 1). Based on this, the project would consume roughly 10,856 gallons of diesel for construction. It should be noted that fuel consumption would go up if diesel construction equipment is poorly maintained. Based on this, the project shall properly maintain all equipment per manufacture recommendations.

Table 1: Proposed Construction Phase and Duration

Equipment Identification	Const. Days	Hours per day	HP	Load Factor	Quantity	Horsepower Hours
Demolition	20					
Concrete/Industrial Saws		8	81.00	0.73	1	9,460.80
Excavators		8	158.00	0.38	3	28,819.20
Rubber Tired Dozers		8	247.00	0.40	2	31,616.00
Site Preparation	10					
Rubber Tired Dozers		8	247.00	0.40	3	23,712.00
Tractors/Loaders/Backhoes		8	97.00	0.37	4	11,484.80
Grading	20					
Excavators		8	158.00	0.38	1	4,803.20
Graders		8	187.00	0.41	1	6,133.60
Rubber Tired Dozers		8	247.00	0.40	1	7,904.00
Tractors/Loaders/Backhoes		8	97.00	0.37	3	8,613.60
Paving	20					
Pavers		8	130.00	0.42	2	8,736.00
Paving Equipment		8	132.00	0.36	2	7,603.20
Rollers		8	80.00	0.38	2	4,864.00
Building Construction	230					
Cranes		7	231.00	0.29	1	4,689.30
Forklifts		8	89.00	0.20	3	4,272.00
Generator Sets		8	84.00	0.74	1	4,972.80
Tractors/Loaders/Backhoes		7	97.00	0.37	3	7,536.90
Welders		8	46.00	0.45	1	1,656.00
Architectural Coating	20					
Air Compressors		6	78.00	0.48	1	2,246.40
Total Horsepower Hours						179,123.80
Total Diesel Fuel (Gal) @ 16.5 hp-h/gal						10,856
Construction Lists identified within **CalEEMod Attachment A** to this report which was used for the project Air Quality analysis						

Ldn Consulting, Inc.
42428 Chisolm Trail
Murrieta CA 92562
phone 760-473-1253

Construction emissions from workers vendors and hauling are based on the estimated vehicle miles traveled (VMT) for the total construction duration which is 133,331 miles total. In California, the average fuel intensity for on-road vehicles is 0.0615 gal/mile (University of California, Irvine, 2005). Based on this, the vehicular trips would consume roughly 8,200 gallons total during construction.

On-road vehicles are regulated by state and federal regulations and vehicular fleet efficiencies are getting better each year. Additionally, all construction equipment shall be maintained as needed per manufactures recommendations. Based on this, the short-term energy demand during construction of the project and would not result in a wasteful or inefficient use of energy.

Operations

Energy – Utility Demand

The State of California has implemented a number of energy reducing policies largely geared to reducing Greenhouse gasses (GHGs). The most notable is Assembly Bill (AB) 32, Senate Bill (SB) 32, and Executive Order (EO) S-3-05. In addition, the state has implemented two scoping plan updates which are geared to reduce GHG emissions by reducing energy consumption, increasing energy efficiency and increasing the usage of renewable sources. The state has also taken a strong steps in increasing building efficiencies under Title 24, par 6 of California's Code of Regulations.

The Project would be required, at a minimum, to comply with the latest version of Title 24 standards at the time the Project seeks building permits. At the time this report was written, the 2019 standards were applicable and went into effect on January 1, 2020. The 2019 standards continue to improve upon the 2016 standards for residential and nonresidential buildings. It should be noted that the State updates these regulations every three years.

In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen and establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality.

The CALGreen standards were last updated in 2019 which includes mandatory measures for planning and design, energy efficiency, water and conservation efficiency, material and resource conservation as well as Environmental Quality (International Code Council, 2019)

The City of Yucaipa participates in San Bernardino Associated Governments (SANBAG) San Bernardino County Regional GHG Reduction Plan. As part of that plan, 21 cities participated with the goal of determining GHG inventories, emission targets and reduction strategies all of which will serve as foundations for the development of individual City specific Climate Action Plans (CAP) (SANBAG, 2015). Yucaipa has a 3,000 $MTCO_2e$ screening threshold and when this threshold is exceeded, the Project would be required to use screening threshold or take project

Ldn Consulting, Inc.
42428 Chisolm Trail
Murrieta CA 92562
phone 760-473-1253

specific reductions specifically geared to GHG reductions (City of Yucaipa, 2015). These reductions would however also reduce energy demand.

Finally, the state has implemented a number of regulations which force electrical utility providers to increase renewable portfolios or procurement. Specifically, the following policies and how they shaped the current energy supply and the future energy horizon are noted below:

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to at least 1 percent of sales, with an aggregate goal of 20 percent by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20 percent of their power from renewable sources by 2010.

SB X1 2 (2011) expanded the RPS by establishing that 20 percent of the total electricity sold to retail customers in California per year by December 31, 2013, and 33 percent by December 31, 2020, and in subsequent years be secured from qualifying renewable energy sources. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. In addition to the retail sellers previously covered by the RPS, SB X1 2 added local, publicly owned electric utilities to the RPS.

SB 350 (2015) further expanded the RPS by establishing that 50 percent of the total electricity sold to retail customers in California per year by December 31, 2030 be secured from qualifying renewable energy sources. In addition, SB 350 includes the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency.

SB 100 (2018) has further accelerated and expanded the RPS, requiring achievement of a 50 percent RPS by December 31, 2026 and a 60 percent RPS by December 31, 2030. SB 100 also established a new statewide policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100 percent of electricity retail sales and 100 percent of electricity procured to serve all state agencies by December 31, 2045.

Based on the air quality modeling, the project would on average consume 296,877 kBTU of natural Gas and 380,184 kWH of electricity each year. Under that analysis, reductions from T24 (2019) were accounted for which would improve the efficiency of the project in terms of energy consumption. Based on this, energy use associated with project operation would not result in wasteful, inefficient, or an unnecessary use of energy. As noted earlier in this analysis the CalEEMod Air Quality estimation tool output is provided as ***Attachment A*** to this letter.

Ldn Consulting, Inc.
42428 Chisolm Trail
Murrieta CA 92562
phone 760-473-1253

Energy – Vehicular Usage

The proposed Project, at full buildout, would generate approximately 257 daily trips of which roughly 8% would be primary trips and the remainder of those trips would be either diverted or pass-by trips. Based on the CalEEMod outputs, the estimated project trips would account for 1,101,421 miles traveled. As noted above, the average fuel intensity for on-road vehicles is 0.0615 gal/mile (University of California, Irvine, 2005). Based on this, the vehicular trips would consume roughly 67,737 gallons annually during operations.

Energy efficiency for vehicles is mandated by State specific policies geared to reduce GHG emissions using zero-emission vehicles. These policies are:

Executive Order (EO) B-16-12

In March 2012 EO B-16-12 directs state entities under the Governor's direction and control to support and facilitate development and distribution of ZEVs. This EO also sets a long-term target of reaching 1.5 million zero-emission vehicles on California's roadways by 2025. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80 percent less than 1990 levels by 2050. In furtherance of this EO, the Governor convened an Interagency Working Group on Zero-Emission Vehicles that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

California Senate Bill 350

In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see Public Utilities Code Section 740.12).

EO N-79-20

In March 2020 the Governor's direction provides the State's Air Resources Board (CARB) to develop and propose rules that required nearly 100 percent of in-state-sales of passenger vehicles to be zero-emission vehicles by 2035 and meadiem to heavy duty vehcles being zero emissions by 2045. In addition offroad vehicles should be 100 percent zero emission by 2035.

Based on this, the long-term energy demand during opeations of the project would not result in a wasteful or inefficient use of energy. As RPS increases and as electric vehicle operations become more standardized, energy consumption will decrease as efficiency increases. Given this, a less than significant impact under CEQA with respect to Energy Waste is expected and the project would not result in a wasteful or inefficient use of energy. Furthermore, the project would not conflict with or obstruct the State's or Local plans for renewable energy or energy efficiency.

Ldn Consulting, Inc.
42428 Chisolm Trail
Murrieta CA 92562
phone 760-473-1253

Sincerely Ldn Consulting,

Jeremy Louden

Attachment A: Greenhouse Gas analysis tool (CalEEMod outputs)

References:

City of Yucaipa. (2015). *Climate Action Plan Annex.* Retrieved from http://www.yucaipa.org/wp-content/uploads/disaster_prep/Yucaipa_Climate_Action_Plan_Annex.pdf

County of Riverside. (2019). *Climate Action Plan (Update).*

International Code Council. (2019). *2019 California Green Building Standards Code California Code of Regulations, Title 24, Part 11.* Retrieved from https://calgreenenergyservices.com/wp/wp-content/uploads/2019_california_green_code.pdf

SANBAG. (2015). Regional Greenhouse Gas Reduction Plan. County of San Bernardion, CA, USA. Retrieved May 12, 2016, from http://www.sanbag.ca.gov/planning2/plan_greenhouse.html

University of California, Irvine. (2005). *Fuel Efficiency and Motor Vehicle Travel.* Retrieved from http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.367.2859&rep=rep1&type=pdf

VirginiaTech. (2010). *Predicting Tractor Diesel Fuel Consumption.* Retrieved from https://pdfs.semanticscholar.org/2631/d1ae4f63bcf1b067e69804f904968f318571.pdf

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

U-Store-It Yucaipa

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	147.70	1000sqft	3.79	147,700.00	0
Parking Lot	107.20	1000sqft	2.46	107,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 6.25 acre site

Construction Phase - cs

Demolition -

Construction Off-road Equipment Mitigation - t3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	40.00
tblLandUse	LotAcreage	3.39	3.79

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	0.6161	2.2501	2.6102	5.6200e-003	0.3294	0.1001	0.4294	0.1277	0.0938	0.2215	0.0000	501.5742	501.5742	0.0861	0.0142	507.9611
2024	0.3845	0.2608	0.3756	7.3000e-004	0.0183	0.0116	0.0299	4.9300e-003	0.0109	0.0158	0.0000	64.9690	64.9690	0.0126	1.3700e-003	65.6931
Maximum	**0.6161**	**2.2501**	**2.6102**	**5.6200e-003**	**0.3294**	**0.1001**	**0.4294**	**0.1277**	**0.0938**	**0.2215**	**0.0000**	**501.5742**	**501.5742**	**0.0861**	**0.0142**	**507.9611**

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					
2023	0.4885	2.1290	2.8979	5.6200e-003	0.2247	0.0193	0.2440	0.0758	0.0192	0.0950	0.0000	501.5738	501.5738	0.0861	0.0142	507.9607
2024	0.3710	0.2877	0.4196	7.3000e-004	0.0183	2.6000e-003	0.0209	4.9300e-003	2.5900e-003	7.5200e-003	0.0000	64.9690	64.9690	0.0126	1.3700e-003	65.6930
Maximum	**0.4885**	**2.1290**	**2.8979**	**5.6200e-003**	**0.2247**	**0.0193**	**0.2440**	**0.0758**	**0.0192**	**0.0950**	**0.0000**	**501.5738**	**501.5738**	**0.0861**	**0.0142**	**507.9607**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	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	**14.10**	**3.75**	**-11.11**	**0.00**	**30.10**	**80.35**	**42.32**	**39.16**	**79.14**	**56.80**	**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	**1-1-2023**	**3-31-2023**	0.7169	0.5736
2	**4-1-2023**	**6-30-2023**	0.5899	0.5555
3	**7-1-2023**	**9-30-2023**	0.5964	0.5616
4	**10-1-2023**	**12-31-2023**	0.9911	0.9555
5	**1-1-2024**	**3-31-2024**	0.5994	0.6119
		Highest	0.9911	0.9555

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	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Energy	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	83.2664	83.2664	5.9900e-003	9.8000e-004	83.7084
Mobile	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454
Waste						0.0000	0.0000		0.0000	0.0000	28.1833	0.0000	28.1833	1.6656	0.0000	69.8229
Water						0.0000	0.0000		0.0000	0.0000	10.8360	78.8727	89.7087	1.1196	0.0271	125.7709
Total	**0.7631**	**0.2738**	**1.7154**	**4.0400e-003**	**0.4153**	**4.2600e-003**	**0.4196**	**0.1109**	**4.0600e-003**	**0.1150**	**39.0193**	**533.0865**	**572.1058**	**2.8108**	**0.0459**	**656.0543**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Energy	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	83.2664	83.2664	5.9900e-003	9.8000e-004	83.7084
Mobile	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454
Waste						0.0000	0.0000		0.0000	0.0000	28.1833	0.0000	28.1833	1.6656	0.0000	69.8229
Water						0.0000	0.0000		0.0000	0.0000	10.8360	78.8727	89.7087	1.1196	0.0271	125.7709
Total	**0.7631**	**0.2738**	**1.7154**	**4.0400e-003**	**0.4153**	**4.2600e-003**	**0.4196**	**0.1109**	**4.0600e-003**	**0.1150**	**39.0193**	**533.0865**	**572.1058**	**2.8108**	**0.0459**	**656.0543**

	ROG	NOx	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	1/1/2023	1/27/2023	5	20	
2	Site Preparation	Site Preparation	1/28/2023	2/10/2023	5	10	
3	Grading	Grading	2/11/2023	3/10/2023	5	20	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	3/11/2023	1/26/2024	5	230	
5	Architectural Coating	Architectural Coating	12/2/2023	1/26/2024	5	40	
6	Paving	Paving	1/1/2024	1/26/2024	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.46

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,550; Non-Residential Outdoor: 73,850; Striped Parking Area: 6,432 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	23.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	107.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4600e-003	0.0000	2.4600e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301
Total	**0.0227**	**0.2148**	**0.1964**	**3.9000e-004**	**2.4600e-003**	**9.9800e-003**	**0.0124**	**3.7000e-004**	**9.2800e-003**	**9.6500e-003**	**0.0000**	**33.9921**	**33.9921**	**9.5200e-003**	**0.0000**	**34.2301**

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	3.0000e-005	1.3400e-003	3.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6391	0.6391	3.0000e-005	1.0000e-004	0.6699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.5000e-004**	**1.7300e-003**	**5.2700e-003**	**2.0000e-005**	**1.8400e-003**	**2.0000e-005**	**1.8600e-003**	**4.9000e-004**	**2.0000e-005**	**5.1000e-004**	**0.0000**	**1.9236**	**1.9236**	**6.0000e-005**	**1.3000e-004**	**1.9657**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.6000e-004	0.0000	9.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.1831	0.2467	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.9920	33.9920	9.5200e-003	0.0000	34.2300
Total	**9.2500e-003**	**0.1831**	**0.2467**	**3.9000e-004**	**9.6000e-004**	**1.2900e-003**	**2.2500e-003**	**1.5000e-004**	**1.2900e-003**	**1.4400e-003**	**0.0000**	**33.9920**	**33.9920**	**9.5200e-003**	**0.0000**	**34.2300**

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	3.0000e-005	1.3400e-003	3.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6391	0.6391	3.0000e-005	1.0000e-004	0.6699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.5000e-004**	**1.7300e-003**	**5.2700e-003**	**2.0000e-005**	**1.8400e-003**	**2.0000e-005**	**1.8600e-003**	**4.9000e-004**	**2.0000e-005**	**5.1000e-004**	**0.0000**	**1.9236**	**1.9236**	**6.0000e-005**	**1.3000e-004**	**1.9657**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	**0.0133**	**0.1376**	**0.0912**	**1.9000e-004**	**0.0983**	**6.3300e-003**	**0.1046**	**0.0505**	**5.8200e-003**	**0.0563**	**0.0000**	**16.7254**	**16.7254**	**5.4100e-003**	**0.0000**	**16.8606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0953	0.1148	1.9000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	**4.6600e-003**	**0.0953**	**0.1148**	**1.9000e-004**	**0.0383**	**7.1000e-004**	**0.0390**	**0.0197**	**7.1000e-004**	**0.0204**	**0.0000**	**16.7253**	**16.7253**	**5.4100e-003**	**0.0000**	**16.8606**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004		7.7500e-003	7.7500e-003		7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	**0.0171**	**0.1794**	**0.1475**	**3.0000e-004**	**0.0708**	**7.7500e-003**	**0.0786**	**0.0343**	**7.1300e-003**	**0.0414**	**0.0000**	**26.0606**	**26.0606**	**8.4300e-003**	**0.0000**	**26.2713**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

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					0.0276	0.0000	0.0276	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2600e-003	0.1484	0.1899	3.0000e-004		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	**7.2600e-003**	**0.1484**	**0.1899**	**3.0000e-004**	**0.0276**	**1.1300e-003**	**0.0288**	**0.0134**	**1.1300e-003**	**0.0145**	**0.0000**	**26.0606**	**26.0606**	**8.4300e-003**	**0.0000**	**26.2713**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1651	1.5104	1.7056	2.8300e-003		0.0735	0.0735		0.0691	0.0691	0.0000	243.3950	243.3950	0.0579	0.0000	244.8425
Total	**0.1651**	**1.5104**	**1.7056**	**2.8300e-003**		**0.0735**	**0.0735**		**0.0691**	**0.0691**	**0.0000**	**243.3950**	**243.3950**	**0.0579**	**0.0000**	**244.8425**

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	4.9700e-003	0.1627	0.0659	7.9000e-004	0.0278	1.1600e-003	0.0290	8.0300e-003	1.1100e-003	9.1400e-003	0.0000	76.8588	76.8588	2.0000e-003	0.0114	80.2936
Worker	0.0392	0.0292	0.3656	1.0400e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	0.0000	96.2119	96.2119	2.5300e-003	2.6100e-003	97.0529
Total	**0.0441**	**0.1919**	**0.4314**	**1.8300e-003**	**0.1510**	**1.7800e-003**	**0.1528**	**0.0408**	**1.6800e-003**	**0.0424**	**0.0000**	**173.0707**	**173.0707**	**4.5300e-003**	**0.0140**	**177.3466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

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	0.0708	1.4937	1.8767	2.8300e-003		0.0142	0.0142		0.0142	0.0142	0.0000	243.3947	243.3947	0.0579	0.0000	244.8422
Total	**0.0708**	**1.4937**	**1.8767**	**2.8300e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**	**0.0000**	**243.3947**	**243.3947**	**0.0579**	**0.0000**	**244.8422**

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	4.9700e-003	0.1627	0.0659	7.9000e-004	0.0278	1.1600e-003	0.0290	8.0300e-003	1.1100e-003	9.1400e-003	0.0000	76.8588	76.8588	2.0000e-003	0.0114	80.2936
Worker	0.0392	0.0292	0.3656	1.0400e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	0.0000	96.2119	96.2119	2.5300e-003	2.6100e-003	97.0529
Total	**0.0441**	**0.1919**	**0.4314**	**1.8300e-003**	**0.1510**	**1.7800e-003**	**0.1528**	**0.0408**	**1.6800e-003**	**0.0424**	**0.0000**	**173.0707**	**173.0707**	**4.5300e-003**	**0.0140**	**177.3466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

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	0.0147	0.1344	0.1617	2.7000e-004		6.1300e-003	6.1300e-003		5.7700e-003	5.7700e-003	0.0000	23.1849	23.1849	5.4800e-003	0.0000	23.3220
Total	**0.0147**	**0.1344**	**0.1617**	**2.7000e-004**		**6.1300e-003**	**6.1300e-003**		**5.7700e-003**	**5.7700e-003**	**0.0000**	**23.1849**	**23.1849**	**5.4800e-003**	**0.0000**	**23.3220**

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	4.6000e-004	0.0156	6.1700e-003	7.0000e-005	2.6500e-003	1.1000e-004	2.7600e-003	7.6000e-004	1.0000e-004	8.7000e-004	0.0000	7.2191	7.2191	1.8000e-004	1.0700e-003	7.5416
Worker	3.4700e-003	2.4700e-003	0.0325	1.0000e-004	0.0117	6.0000e-005	0.0118	3.1200e-003	5.0000e-005	3.1700e-003	0.0000	8.9680	8.9680	2.2000e-004	2.3000e-004	9.0420
Total	**3.9300e-003**	**0.0181**	**0.0386**	**1.7000e-004**	**0.0144**	**1.7000e-004**	**0.0146**	**3.8800e-003**	**1.5000e-004**	**4.0400e-003**	**0.0000**	**16.1871**	**16.1871**	**4.0000e-004**	**1.3000e-003**	**16.5836**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7400e-003	0.1423	0.1787	2.7000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	23.1849	23.1849	5.4800e-003	0.0000	23.3220
Total	**6.7400e-003**	**0.1423**	**0.1787**	**2.7000e-004**		**1.3600e-003**	**1.3600e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**23.1849**	**23.1849**	**5.4800e-003**	**0.0000**	**23.3220**

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	4.6000e-004	0.0156	6.1700e-003	7.0000e-005	2.6500e-003	1.1000e-004	2.7600e-003	7.6000e-004	1.0000e-004	8.7000e-004	0.0000	7.2191	7.2191	1.8000e-004	1.0700e-003	7.5416
Worker	3.4700e-003	2.4700e-003	0.0325	1.0000e-004	0.0117	6.0000e-005	0.0118	3.1200e-003	5.0000e-005	3.1700e-003	0.0000	8.9680	8.9680	2.2000e-004	2.3000e-004	9.0420
Total	**3.9300e-003**	**0.0181**	**0.0386**	**1.7000e-004**	**0.0144**	**1.7000e-004**	**0.0146**	**3.8800e-003**	**1.5000e-004**	**4.0400e-003**	**0.0000**	**16.1871**	**16.1871**	**4.0000e-004**	**1.3000e-003**	**16.5836**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.3517**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.5000e-004	6.8300e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7984	1.7984	5.0000e-005	5.0000e-005	1.8141
Total	**7.3000e-004**	**5.5000e-004**	**6.8300e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7984**	**1.7984**	**5.0000e-005**	**5.0000e-005**	**1.8141**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.3503**	**0.0136**	**0.0183**	**3.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.5000e-004	6.8300e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7984	1.7984	5.0000e-005	5.0000e-005	1.8141
Total	**7.3000e-004**	**5.5000e-004**	**6.8300e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7984**	**1.7984**	**5.0000e-005**	**5.0000e-005**	**1.8141**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569
Total	**0.3516**	**0.0122**	**0.0181**	**3.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.4000e-004**	**0.0000**	**2.5569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.8000e-004	6.3700e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7601	1.7601	4.0000e-005	5.0000e-005	1.7746
Total	**6.8000e-004**	**4.8000e-004**	**6.3700e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7601**	**1.7601**	**4.0000e-005**	**5.0000e-005**	**1.7746**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568
Total	**0.3503**	**0.0136**	**0.0183**	**3.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.4000e-004**	**0.0000**	**2.5568**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.8000e-004	6.3700e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7601	1.7601	4.0000e-005	5.0000e-005	1.7746
Total	**6.8000e-004**	**4.8000e-004**	**6.3700e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7601**	**1.7601**	**4.0000e-005**	**5.0000e-005**	**1.7746**

3.7 Paving - 2024

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	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0131**	**0.0953**	**0.1463**	**2.3000e-004**		**4.6900e-003**	**4.6900e-003**		**4.3100e-003**	**4.3100e-003**	**0.0000**	**20.0265**	**20.0265**	**6.4800e-003**	**0.0000**	**20.1885**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.5000e-004	4.5500e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2572	1.2572	3.0000e-005	3.0000e-005	1.2676
Total	**4.9000e-004**	**3.5000e-004**	**4.5500e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2572**	**1.2572**	**3.0000e-005**	**3.0000e-005**	**1.2676**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.1130	0.1730	2.3000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.8300e-003**	**0.1130**	**0.1730**	**2.3000e-004**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**20.0265**	**20.0265**	**6.4800e-003**	**0.0000**	**20.1884**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.5000e-004	4.5500e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2572	1.2572	3.0000e-005	3.0000e-005	1.2676
Total	**4.9000e-004**	**3.5000e-004**	**4.5500e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2572**	**1.2572**	**3.0000e-005**	**3.0000e-005**	**1.2676**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454
Unmitigated	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	257.00	257.00	257.00	1,101,421	1,101,421
Total	257.00	257.00	257.00	1,101,421	1,101,421

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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	67.4239	67.4239	5.6900e-003	6.9000e-004	67.7718
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	67.4239	67.4239	5.6900e-003	6.9000e-004	67.7718
NaturalGas Mitigated	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366
NaturalGas Unmitigated	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	296877	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366
Total		**1.6000e-003**	**0.0146**	**0.0122**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**15.8425**	**15.8425**	**3.0000e-004**	**2.9000e-004**	**15.9366**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	296877	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366
Total		**1.6000e-003**	**0.0146**	**0.0122**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**15.8425**	**15.8425**	**3.0000e-004**	**2.9000e-004**	**15.9366**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	37520	6.6540	5.6000e-004	7.0000e-005	6.6883
Unrefrigerated Warehouse-No Rail	342664	60.7699	5.1300e-003	6.2000e-004	61.0834
Total		**67.4239**	**5.6900e-003**	**6.9000e-004**	**67.7718**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	37520	6.6540	5.6000e-004	7.0000e-005	6.6883
Unrefrigerated Warehouse-No Rail	342664	60.7699	5.1300e-003	6.2000e-004	61.0834
Total		**67.4239**	**5.6900e-003**	**6.9000e-004**	**67.7718**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Unmitigated	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Total	**0.6109**	**3.0000e-005**	**3.2500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.3300e-003**	**6.3300e-003**	**2.0000e-005**	**0.0000**	**6.7400e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Total	**0.6109**	**3.0000e-005**	**3.2500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.3300e-003**	**6.3300e-003**	**2.0000e-005**	**0.0000**	**6.7400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	89.7087	1.1196	0.0271	125.7709
Unmitigated	89.7087	1.1196	0.0271	125.7709

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.1556 / 0	89.7087	1.1196	0.0271	125.7709
Total		**89.7087**	**1.1196**	**0.0271**	**125.7709**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.1556 / 0	89.7087	1.1196	0.0271	125.7709
Total		**89.7087**	**1.1196**	**0.0271**	**125.7709**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.1833	1.6656	0.0000	69.8229
Unmitigated	28.1833	1.6656	0.0000	69.8229

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	138.84	28.1833	1.6656	0.0000	69.8229
Total		**28.1833**	**1.6656**	**0.0000**	**69.8229**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	138.84	28.1833	1.6656	0.0000	69.8229
Total		**28.1833**	**1.6656**	**0.0000**	**69.8229**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Greenhouse Gas Assessment

U-Store-It Self Storage Development
Case # 21-202
City of Yucaipa, CA

Prepared By:

Ldn Consulting, Inc.

42428 Chisolm Trail
Murrieta, CA 92562

Prepared For:

U-Stor-It
501 W. Broadway Suite 2020
San Diego, CA 92101

April 26, 2022

TABLE OF CONTENTS

TABLE OF CONTENTS ..... **II**

LIST OF FIGURES ..... **III**

LIST OF TABLES ..... **III**

APPENDIX ..... **III**

1.0 INTRODUCTION **1**

1.1 PURPOSE OF THIS STUDY 1
1.2 PROJECT LOCATION 1
1.3 PROJECT DESCRIPTION 1

2.0 EXISTING SETTING **4**

2.1 UNDERSTANDING GREENHOUSE GASSES 4
2.2 CLIMATE AND METEOROLOGY 4

3.0 CLIMATE CHANGE REGULATORY ENVIRONMENT **5**

3.1 STATE 5
3.2 LOCAL THRESHOLDS OF SIGNIFICANCE 15

4.0 METHODOLOGY **16**

4.1 CONSTRUCTION CO_2E EMISSIONS CALCULATION METHODOLOGY 16
4.2 OPERATIONAL EMISSIONS CALCULATION METHODOLOGY 17

5.0 FINDINGS **18**

5.1 PROJECT RELATED CONSTRUCTION EMISSIONS 18
5.2 PROJECT RELATED OPERATIONAL EMISSIONS/CONCLUSIONS 18

6.0 REFERENCES **20**

List of Figures

FIGURE 1-A: PROJECT VICINITY MAP 2
FIGURE 1-B: SITE PLAN MAP 3

List of Tables

TABLE 4.1: EXPECTED CONSTRUCTION EQUIPMENT 16
TABLE 5.1: EXPECTED ANNUAL CONSTRUCTION CO_2E EMISSIONS SUMMARY MT/YEAR 18
TABLE 5.2: EXPECTED OPERATIONAL EMISSIONS SUMMARY MT/YEAR 19

Appendix

CALEEMOD 2020.4.0 (PROJECT BUILDOUT EMISSIONS) 21

1.0 INTRODUCTION

1.1 Purpose of this Study

The purpose of this Green House Gas Assessment (GHG) is to show conformance to the California Global Warming Solutions Act of 2006 – Assembly Bill 32 (AB32), SB 32 and SB97. Should impacts be determined, the intent of this study would be to recommend suitable design measures to bring the project to a level considered less than significant.

1.2 Project Location

The proposed Project site is generally located at the southwest corner Yucaipa Boulevard and 11th Street in the City of Yucaipa. A general project vicinity map is shown in Figure 11A.

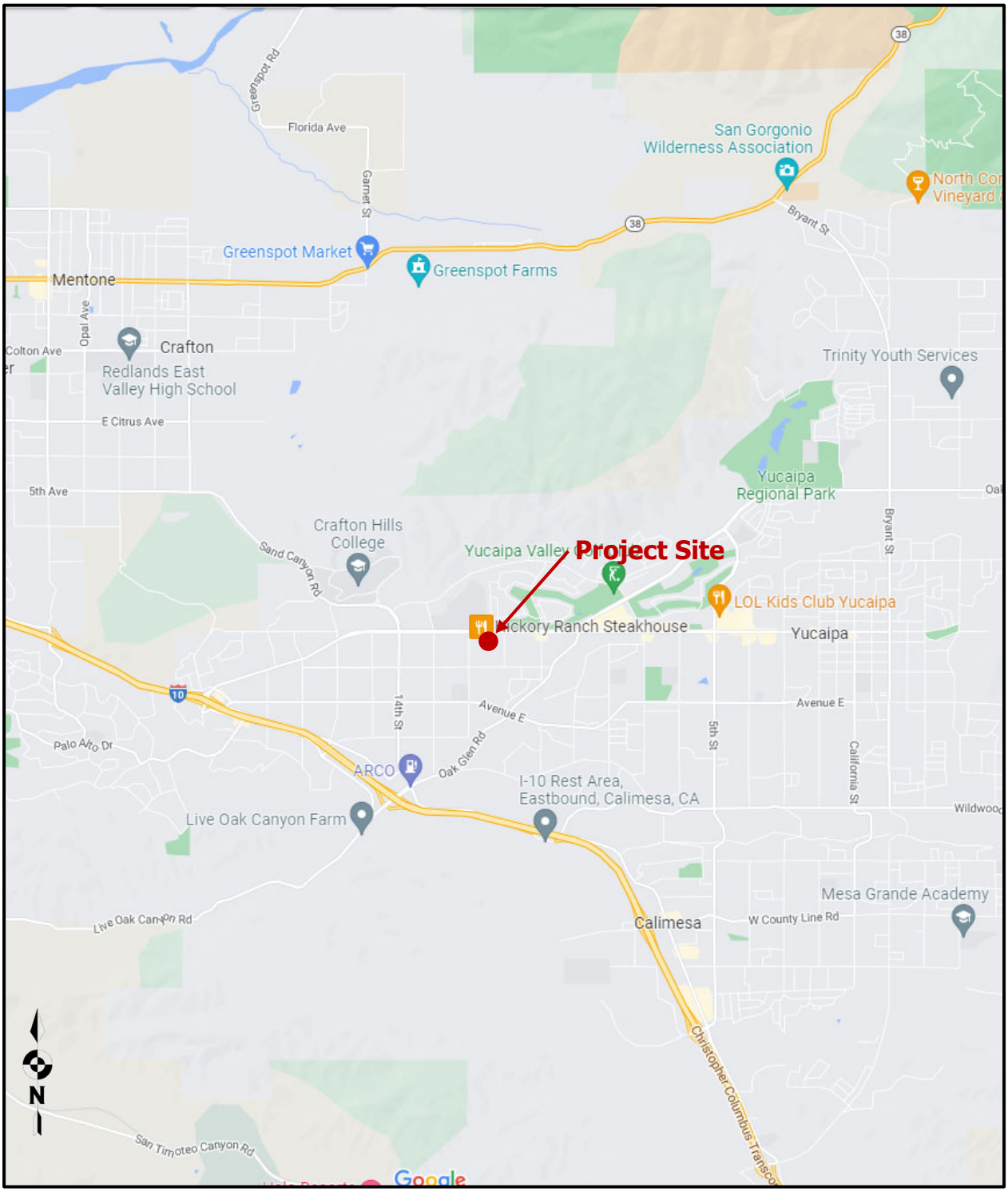
1.3 Project Description

The proposed Project site is generally located at the southwest corner Yucaipa Boulevard and 11th Street in the City of Yucaipa. The project development plan calls for the construction of five separate buildings with a total floor area of 147,668 Square Feet (SF) and will be used for a self-storage facility. In addition, the Project will provide recreational vehicle storage.

The project is seeking a rezone of a split zoned parcel (Assessor Parcel No. 031-801-148) by rezoning remaining portions designated under Single Family Residential (R-1) to General Commercial (CG) in order to bring the entire parcel under CG designation.

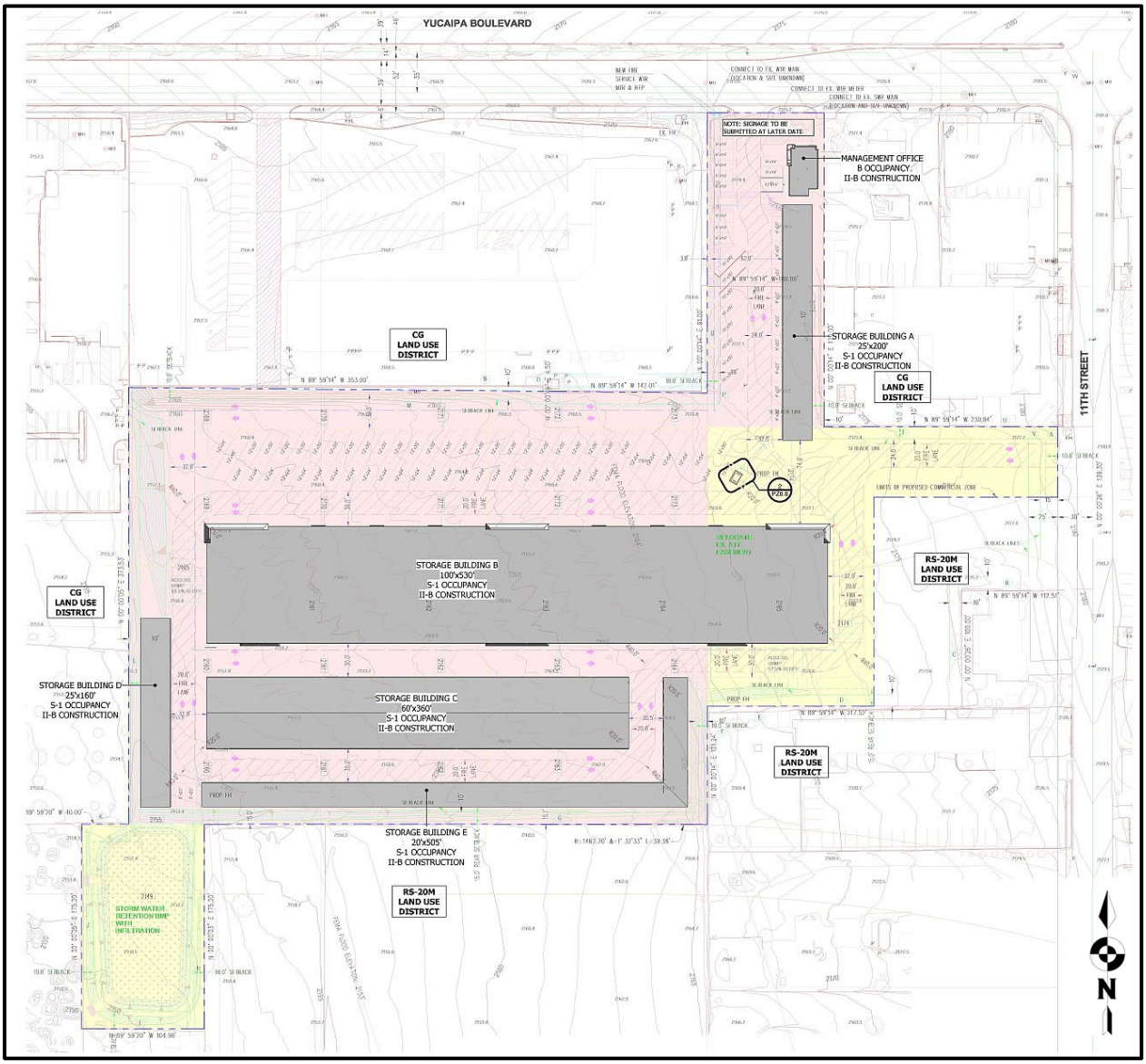
Construction of the project is proposed in early 2023 with full buildout expected early 2024. The proposed project will consume electricity, natural gas, diesel and gasoline for both construction and operations activities. The project site plan is shown on in Figure 1-B.

Figure 1-A: Project Vicinity Map



Source: (Google, 2022)

Figure 1-B: Site Plan Map



Source: (DDCA Architects, 2022)

2.0 EXISTING SETTING

2.1 Understanding Greenhouse Gasses

Greenhouse gases such as water vapor and carbon dioxide are abundant in the earth's atmosphere. These gases are called "Greenhouse Gases" because they absorb and emit thermal infrared radiation which acts like an insulator to the planet. Without these gases, the earth ambient temperature would either be extremely hot during the day or blistering cold at night. However, because these gases can both absorb and emit heat, the earth's temperature does not sway too far in either direction.

Over the years as human activities require the use of burning fossil fuels stored carbon is released into the air in the form of CO_2 and to a much lesser extent CO. Additionally, over the years scientist have measured this rise in Carbon Dioxide and fear that it may be heating the planet too. Additionally, it is thought that other greenhouse gases such as Methane and Nitrous Oxide are to blame.

Greenhouse Gasses of concern as analyzed in this study are Carbon Dioxide (CO_2), Methane (CH_4), and Nitrous Oxide (N_2O). To simply greenhouse gas calculations, both CH_4 and N_2O can be converted to an equivalent amount of CO_2 or CO_2e. CO_2e is calculated by multiplying the calculated levels of CH_4 and N_2O by a Global Warming Potential (GWP). The U.S. Environmental Protection Agency publishes GWPs for various GHGs and reports that the GWP for CH_4 and N_2O is 21 and 310, respectively.

2.2 Climate and Meteorology

The Project is located in the South Coast Air Basin (SCAB). Climate within the SCAB area often varies dramatically over short geographical distances due to the size and topography. Most of southern California is dominated by high-pressure systems for much of the year, which keeps Yucaipa mostly sunny and warm. Typically, during the winter months, the high-pressure system drops to the south and brings cooler, moister weather from the north.

It is common for inversion layers to develop within high-pressure areas, which mostly define pressure patterns over the SCAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning. Daytime temperature highs within the City of Yucaipa typically range between 61 ºF in the winter to approximately 93 ºF in the summer with the month of August usually being the hottest month. Yucaipa usually receives an average seasonal precipitation of 19 inches of rain per year with the months of February and March usually being the wettest months of the year (City Data, 2022)

3.0 CLIMATE CHANGE REGULATORY ENVIRONMENT

3.1 State

State Greenhouse Gas Targets

Executive Order S-3-05

EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, 1990 levels by 2020, and 80 percent below 1990 levels by 2050.

AB 32 and CARB's Climate Change Scoping Plan

In furtherance of the goals established in EO S-3-05, the Legislature enacted Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020.

Under AB 32, the California Air Resources Board (CARB) is responsible for and is recognized as having the expertise to carry out and develop the programs and regulations necessary to achieve the GHG emissions reduction mandate of AB 32. Therefore, in furtherance of AB 32, CARB adopted regulations requiring the reporting and verification of GHG emissions from specified sources, such as industrial facilities, fuel suppliers and electricity importers (see Health & Safety Code Section 35830; Cal. Code Regs., tit. 17, §§95100 et seq.). CARB is also required to adopt rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 authorized CARB to adopt market-based compliance mechanisms to meet the specified requirements. Finally, CARB is ultimately responsible for monitoring compliance and enforcing any rule, regulation, order, emission limitation, emission reduction measure, or market-based compliance mechanism adopted.

In 2007, CARB approved a limit on the statewide GHG emissions level for year 2020 consistent with the determined 1990 baseline (427 million metric tons (MMT) CO_2E). CARB's adoption of this limit is in accordance with Health and Safety Code Section 38550.

Further, in 2008, CARB adopted the *Climate Change Scoping Plan: A Framework for Change* (*2008 Scoping Plan*) in accordance with Health and Safety Code Section 38561. The *2008 Scoping Plan* established an overall framework for the measures to be implemented to reduce California's GHG emissions for various emission sources/sectors to 1990 levels by 2020. The *2008 Scoping Plan* evaluated opportunities for sector-specific reductions,

integrated all CARB and Climate Action Team[1] early actions and additional GHG reduction features by both entities, identified additional measures to be pursued as regulations, and outlined the role of a cap-and-trade program.

In the *2008 Scoping Plan*, CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of approximately 28.5 percent from the otherwise projected 2020 emissions level, i.e., those emissions that would occur in 2020, absent GHG-reducing laws and regulations (referred to as "Business-As-Usual" [BAU]). For purposes of calculating this percent reduction, CARB assumed that all new electricity generation would be supplied by natural gas plants, no further regulatory action would impact vehicle fuel efficiency, and building energy efficiency codes would be held at 2005 standards.

In the 2011 Final Supplement to the *2008 Scoping Plan's* Functional Equivalent Document, CARB revised its estimates of the projected 2020 emissions level in light of the economic recession and the availability of updated information about GHG reduction regulations. Based on the new economic data, CARB determined that achieving the 1990 emissions level by 2020 would require a reduction in GHG emissions of 21.7 percent (down from 28.5 percent) from the BAU conditions. When the 2020 emissions level projection was updated to account for newly implemented regulatory measures, including Pavley I (model years 2009–2016) and the Renewables Portfolio Standard (12 percent to 20 percent), CARB determined that achieving the 1990 emissions level in 2020 would require a reduction in GHG emissions of 16 percent (down from 28.5 percent) from the BAU conditions.

In 2014, CARB adopted the *First Update to the Climate Change Scoping Plan: Building on the Framework* (*First Update*). The stated purpose of the *First Update* was to "highlight California's success to date in reducing its GHG emissions and lay the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050." The *First Update* found that California was on track to meet the 2020 emissions reduction mandate established by AB 32, noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80 percent below 1990 levels by 2050 if the state realizes the expected benefits of existing policy goals.

EO B-30-15

EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under S-3-05 and AB 32. EO B-30-15 set an interim goal of reducing

[1] The Climate Action Team is comprised of state agency secretaries and heads of state agencies, boards and departments; these members work to coordinate statewide efforts to implement GHG emissions reduction programs and adaptation programs.

statewide GHG emissions to 40 percent below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing statewide GHG emissions to 80 percent below 1990 levels by 2050 as set forth in S-3-05. To facilitate achievement of this goal, EO B-30-15 calls for an update to CARB's *Scoping Plan* to express the 2030 target in terms of MMT CO_2e. The EO also calls for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets. Sector-specific agencies in transportation, energy, water, and forestry were required to prepare GHG reduction plans by September 2015, followed by a report on action taken in relation to these plans in June 2016.

SB 32 and AB 197

SB 32 and AB 197 (enacted in 2016) are companion bills that set a new statewide GHG reduction target; make changes to CARB's membership and increase legislative oversight of CARB's climate change-based activities; and expand dissemination of GHG and other air quality-related emissions data to enhance transparency and accountability. More specifically, SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40 percent below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, in order to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to CARB as nonvoting members. The legislation further requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and identify specific information for GHG emissions reduction measures when updating the scoping plan, including information regarding the range of projected GHG emissions and air pollution reductions that result from each measure and the cost-effectiveness (including avoided social costs) of each measure (see Health & Safety Code Section 38562.7).

2017 Climate Change Scoping Plan

In November 2017, CARB released *California's 2017 Climate Change Scoping Plan* for public review and comment (CARB, 2017). This update includes CARB's strategy for achieving the state's 2030 GHG target as established in Senate Bill (SB) 32 (discussed below). The strategy includes continuing the Cap-and-Trade Program through 2030,[2] inclusive policies and broad support for clean technologies, enhanced industrial efficiency and competitiveness, prioritization of transportation sustainability, continued leadership on clean energy, putting waste resources to beneficial use, supporting resilient agricultural and rural economics and

[2] In July 2017, AB 398 was enacted into law, thereby extending the legislatively-authorized lifetime of the Cap-and-Trade Program to December 31, 2030.

natural and working lands, securing California's water supplies, and cleaning the air and public health. When discussing project-level GHG emissions reduction actions and thresholds, the *2017 Scoping Plan* states "[a]chieving no net additional increase in GHG emissions, resulting in no contribution to GHG impacts, is an appropriate overall objective for new development." However, the *2017 Scoping Plan* also recognizes that such an achievement "may not be feasible or appropriate for every project … and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA." CARB's Governing Board adopted the *2017 Scoping Plan* in December 2017.

Building Energy

Title 24, Part 6

Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically establishes Building Energy Efficiency Standards that are designed to ensure new buildings and alterations or additions to existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. The California Energy Commission (CEC) is required by law to adopt standards every 3 years that are cost effective for homeowners over the 30-year lifespan of a building. These standards are updated to consider and incorporate new energy efficient technologies and construction methods. As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2016 Title 24 standards, which went into effect on January 1, 2017. When comparing the 2013 and 2016 standards for electrical consumption, it is expected that low-rise, single-family detached homes and multi-family homes would use 12 percent and 15 percent less electricity under the 2016 standards, respectively. Similarly, implementation of the 2016 standards is expected to reduce natural gas consumption by 21 percent in single-family homes and 31 percent in multi-family homes. Newly constructed non-residential buildings are estimated to achieve a 5 percent reduction in electricity consumption under the 2016 standards and no significant change relative to natural gas consumption (California Energy Commission, 2015). The current version of CalEEMod used in this analysis employs, as a default parameter, the 2016 Title 24 standards to estimate GHG emissions.

The Project would be required, at a minimum, to comply with the latest version of Title 24 standards at the time the Project seeks building permits. At the time this report was written, the 2019 standards were applicable and went into effect on January 1, 2020. The

2019 standards continue to improve upon the 2016 standards for residential and nonresidential buildings. One of the most notable changes in the 2019 standards is the requirement for the installation of rooftop solar on residential buildings (California Energy Commission, 2017). It should be noted that the State updates these regulations every three years. Thus, throughout Project construction, buildings will need comply with the most recently adopted standards.

Title 24, Part 11

In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as CALGreen and establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards initially took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The CALGreen 2016 standards became effective on January 1, 2017. The mandatory standards require the following (24 CCR Part 11):

- Mandatory reduction in indoor water use through compliance with specified flow rates for plumbing fixtures and fittings
- Mandatory reduction in outdoor water use through compliance with a local water efficient landscaping ordinance or the California Department of Water Resources' Model Water Efficient Landscape Ordinance
- Sixty-five (65) percent of construction and demolition waste must be diverted from landfills
- Mandatory inspections of energy systems to ensure optimal working efficiency
- Inclusion of EV charging stations or designated spaces capable of supporting future charging stations
- Low-pollutant emitting exterior and interior finish materials, such as paints, carpets, vinyl flooring, and particle boards

The CALGreen standards also include voluntary efficiency measures that are provided at two separate tiers and implemented at the discretion of local agencies and applicants. CALGreen's Tier 1 standards call for a 15 percent improvement in energy requirements; stricter water conservation, 10 percent recycled content in building materials, 20 percent permeable paving, 20 percent cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30 percent improvement in energy requirements, stricter water conservation, 75 percent diversion of construction and demolition waste, 15 percent recycled

content in building materials, 30 percent permeable paving, 25 percent cement reduction, and cool/solar-reflective roofs.

The CALGreen standards were again updated in 2019 which includes mandatory measures for planning and design, energy efficiency, water and conservation efficiency, material and resource conservation as well as Environmental Quality. A thorough checklist is provided by California's Housing and Community Development Department (Housing and Community Development, 2019). The project would be required to utilize the latest CALGreen standards (International Code Council, 2019).

Title 20

Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. Performance of appliances must be certified through the CEC to demonstrate compliance with standards. New appliances regulated under Title 20 include: refrigerators, refrigerator-freezers and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing for each type of appliance covered under the regulations and appliances must meet the standards for energy performance, energy design, water performance and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

<u>Mobile Sources</u>

AB 1493

In response to the transportation sector accounting for more than half of California's CO_2 emissions, AB 1493 was enacted in July 2002. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. When fully phased in, the near-term (2009–2012) standards will result in a reduction of about 22

percent in GHG emissions compared to the emissions from the 2002 fleet, while the mid-term (2013–2016) standards will result in a reduction of about 30 percent.

EO S-1-07

Issued in January 2007, EO S-1-07 sets a declining Low Carbon Fuel Standard for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered. CARB adopted the implementing regulation in April 2009 and began implementation in 2011. The LCFS is designed to encourage the use of cleaner low-carbon transportation fuels in California, encourage the production of those fuels, and therefore, reduce GHG emissions and decrease petroleum dependence in the transportation sector.

The latest amendment to LCFS implementation regulations was in 2018 and CARB approved amendments which included strengthening and smoothing the carbon intensity benchmarks through 2030 in-line with California's 2030 GHG emission reduction target enacted through SB 32 (CARB, 2018).

SB 375

SB 375 (2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 required CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035. Regional metropolitan planning organizations (MPOs) are then responsible for preparing a Sustainable Communities Strategy (SCS) within their Regional Transportation Plan. The goal of the SCS is to establish a forecasted development pattern for the region that, after considering transportation measures and policies, will achieve, if feasible and if implemented, the GHG reduction targets. If a SCS is unable to achieve the GHG reduction target, an MPO must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to Government Code Section 65080(b)(2)(K), a SCS does not: (i) regulate the use of land; (ii) supersede the land use authority of cities and counties; or (iii) require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The targets for SANDAG adopted in 2010 are a 7 percent reduction in emissions per capita by 2020 and a 13 percent reduction by 2035; the targets are expressed as a percent change in per capita passenger vehicle GHG emissions relative to 2005.

In October 2015, SANDAG adopted *San Diego Forward: The Regional Plan*, which contains the region's current SCS. In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region. More specifically, as set forth in CARB Executive Order G-15-075, CARB determined that SANDAG's SCS would achieve a 15 percent per capita reduction by 2020 and a 21 percent per capita reduction by 2035.

In 2018, CARB updated the SB 375 targets. For purposes of SANDAG, the updated targets include a 15 percent reduction in emissions per capita by 2020 and a 19 percent reduction by 2035 (CARB, 2018). SANDAG is in the process of preparing its next SCS, which will consider whether and how the region could attain these reduction targets.

Currently SANDAG is working on the 2021 Regional Plan. The current Draft Plan provides a big picture vision for how the San Diego region will grow through 2050 and beyond with an implementation program to help make the plan a reality. Within the Draft Plan, SANDAG introduced a transformative vision for transportation in San Diego County that completely reimagines how people and goods could move throughout the region in the 21st century. The plan outlines the "5 Big Moves" which are: Complete Corridors, Transit Leap, Mobility Hubs, Flexible Fleets, and the Next OS. The SANDAG Board of Directors will be asked to adopt the 2021 Regional Plan in late 2021. Once adopted, it will become the region's long-term plan to be implemented incrementally through the Regional Transportation Improvement Program (RTIP) (SANDAG, 2021).

Advanced Clean Cars Program

In January 2012, CARB approved the Advanced Clean Cars program, a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB, 2017). To improve air quality, CARB also has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that, in 2025, cars will emit 75 percent less smog-forming pollution than the average new car sold today. To reduce GHG emissions, CARB, in conjunction with the EPA and the NHTSA, also has adopted new GHG standards for

model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34 percent in 2025 (California Air Resources Board, 2012).

EO B-16-12

EO B-16-12 (March 2012) directs state entities under the Governor's direction and control to support and facilitate development and distribution of ZEVs. This EO also sets a long-term target of reaching 1.5 million zero-emission vehicles on California's roadways by 2025. On a statewide basis, EO B-16-12 also establishes a GHG emissions reduction target from the transportation sector equaling 80 percent less than 1990 levels by 2050. In furtherance of this EO, the Governor convened an Interagency Working Group on Zero-Emission Vehicles that has published multiple reports regarding the progress made on the penetration of ZEVs in the statewide vehicle fleet.

SB 350

In 2015, SB 350 – the Clean Energy and Pollution Reduction Act – was enacted into law. As one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see Public Utilities Code Section 740.12).

<u>Renewable Energy Procurement</u>

SB 1078

SB 1078 (2002) established the Renewables Portfolio Standard (RPS) program, which requires an annual increase in renewable generation by the utilities equivalent to at least 1 percent of sales, with an aggregate goal of 20 percent by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20 percent of their power from renewable sources by 2010.

SB X1 2

SB X1 2 (2011) expanded the RPS by establishing that 20 percent of the total electricity sold to retail customers in California per year by December 31, 2013, and 33 percent by December 31, 2020, and in subsequent years be secured from qualifying renewable energy sources. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation of 30 megawatts or less, digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other

specified requirements with respect to its location. In addition to the retail sellers previously covered by the RPS, SB X1 2 added local, publicly owned electric utilities to the RPS.

SB 350

SB 350 (2015) further expanded the RPS by establishing that 50 percent of the total electricity sold to retail customers in California per year by December 31, 2030 be secured from qualifying renewable energy sources. In addition, SB 350 includes the goal to double the energy efficiency savings in electricity and natural gas final end uses (such as heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency.

SB 100

SB 100 (2018) has further accelerated and expanded the RPS, requiring achievement of a 50 percent RPS by December 31, 2026 and a 60 percent RPS by December 31, 2030. SB 100 also established a new statewide policy goal that calls for eligible renewable energy resources and zero-carbon resources to supply 100 percent of electricity retail sales within the State of California by December 31, 2045.

Water

EO B-29-15

In response to drought-related concerns, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25 percent relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have since become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

Solid Waste

AB 939 and AB 341

AB 939 (1989), known as the Integrated Waste Management Act (Public Resources Code Sections 40000 et seq.), was passed because of the increase in waste stream and the

decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25 percent by 1995 and 50 percent by the year 2000.

AB 341 (2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75 percent of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle has conducted multiple workshops and published documents that identify priority strategies that CalRecycle believes would assist the state in reaching the 75 percent goal by 2020.

Increasing the amount of commercial solid waste that is recycled, reused, or composted will reduce GHG emissions primarily by 1) reducing the energy requirements associated with the extraction, harvest, and processing of raw materials and 2) using recyclable materials that require less energy than raw materials to manufacture finished products (CalRecycle, 2020) Increased diversion of organic materials (green and food waste) will also reduce GHG emissions (CO_2 and CH_4) resulting from decomposition in landfills by redirecting this material to processes that use the solid waste material to produce vehicle fuels, heat, electricity, or compost.

3.2 Local Thresholds of Significance

The City of Yucaipa participates in San Bernardino Associated Governments (SANBAG) San Bernardino County Regional GHG Reduction Plan. As part of that plan, 21 cities participated with the goal of determining GHG inventories, emission targets and reduction strategies all of which will serve as foundations for the development of individual City specific Climate Action Plans (CAP) (SANBAG, 2015). Based on the plan however, no specific screening established.

The Project is located with within SCAQMD which does have defined screening thresholds. Currently, SCAQMD industry standards within the district has followed Tier screening standards as the baseline for significance thresholds since September 2010. Under this methodology, screening values are established for industrial, residential, and combined project types which are 10,000 MT/year CO^2e for industrial projects, 3,500 MT/year CO^2e for residential projects and 3,000 MT/year CO^2e for mixed use projects. Based on this, the industrial project currently being analyzed within this analysis would be screened under the 10,000 MT/year CO_2e industrial screening threshold.

4.0 METHODOLOGY

4.1 Construction CO_2e Emissions Calculation Methodology

Pending approval, the Project is expected to kick off construction in early 2023 early 2024. The project site has some development onsite consisting of multiple buildings. To minimize dust and construction diesel particulate emissions, the project will wet the construction site at least three times daily and utilize at least Tier 3 diesel construction equipment. Table 4.1 shows the expected timeframes as well as the expected number of pieces of equipment to complete the project for the scenario identified.

Table 4.1: Expected Construction Equipment

Equipment Identification	Start Dates	Completion Dates	Quantity
Demolition	1/1/2023	1/27/2023	
Concrete/Industrial Saws			1
Excavators			3
Rubber Tired Dozers			2
Site Preparation	1/28/2023	2/10/2023	
Rubber Tired Dozers			3
Tractors/Loaders/Backhoes			4
Grading	2/11/2023	3/10/2023	
Excavators			1
Graders			1
Rubber Tired Dozers			1
Tractors/Loaders/Backhoes			3
Paving	1/1/2024	1/26/2024	
Pavers			2
Paving Equipment			2
Rollers			2
Building Construction	3/11/2023	1/26/2024	
Cranes			1
Forklifts			3
Generator Sets			1
Tractors/Loaders/Backhoes			3
Welders			1
Architectural Coating	12/2/2023	1/26/2024	
Air Compressors			1
This equipment list is based upon equipment inventory within CALLEEMOD 2020.4.0. The quantity and types are based upon discussions with the Project Engineer.			

GHG impacts related to construction will be calculated using the latest CalEEMod 2020.4.0 air quality model which was developed by Breeze Software for the South Coast Air Quality Management District (SCAQMD). CalEEMod incorporates emission factors from the EMFAC2017 model for on-road vehicle emissions and the OFFROAD2011 model for off-road vehicle emissions. Because CO_2 emissions from construction only occur at the beginning of a

project, emissions will be averaged over a 30-year period. This recommendation was based on proposals from South Coast Air Quality Management District in 2008. CalEEMod emission outputs are shown in ***Attachment A*** to this report.

4.2 Operational Emissions Calculation Methodology

Once construction is completed the proposed project would generate GHG emissions from daily operations which would include sources such as Area, Energy, Mobile, Waste and Water uses, which are also calculated within CalEEMod. Area Sources include consumer products, landscaping and architectural coatings as part of regular maintenance. GHG emissions from Energy sources would be from uses such as electricity and natural gas. Finally, mobile or transportation related emissions are calculated in CalEEMod through the use of EMFAC2017 and is based on standard trip generation rates encoded into the model. The operational model is also included in CalEEMod ***Attachment A*** at the end of this report.

5.0 FINDINGS

5.1 Project Related Construction Emissions

Utilizing the CalEEMod inputs for the model as shown in Table 4.1 above, we find that grading and construction of the project will produce approximately 573.65 Metric Tons of CO_2e over the construction life of the project. Given the fact that the total emissions will ultimately contribute to yearly emission levels, it is acceptable to average the total construction emission over a 30-year period (Source: SCAQMD 2008) which would be 19.12 MT per year. A summary of the construction emissions is shown in Table 5.1 below.

Table 5.1: Expected Annual Construction CO_2e Emissions Summary MT/Year

Year	Bio-CO_2	NBio-CO2	Total CO_2	CH_4	N_2O	CO_2e
2023	0.00	501.57	501.57	0.09	0.01	507.96
2024	0.00	64.97	64.97	0.01	0.00	65.69
					Total	**573.65**
Yearly Average Construction Emissions (Metric Tons/year over 30 years)						**19.12**
Expected Construction emissions are based upon CalEEMod modeling assumptions for equipment and durations listed in Table 4.1 above.						

5.2 Project Related Operational Emissions/Conclusions

Based on the CalEEMod analysis, the proposed project buildout with annualized construction emissions would generate 675.18 MT CO_2e annually, which is shown in Table 5.2. Based on this, the proposed project would generate fewer emissions than the requisite 10,000 MT CO_2e per year industrial screening threshold. In addition, it should be noted that the project would also generate fewer emissions than the smallest residential screening threshold of 3,000 MT CO_2e. Based on this, the storage project would have a less than significant GHG impact under CEQA.

Table 5.2: Expected Operational Emissions Summary MT/Year

Year	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Area	0.00	0.01	0.01	0.00	0.00	0.01
Energy	0.00	83.27	83.27	0.01	0.00	83.71
Mobile	0.00	370.94	370.94	0.02	0.02	376.75
Waste	28.18	0.00	28.18	1.67	0.00	69.82
Water	10.84	78.87	89.71	1.12	0.03	125.77
Amortized Construction Emissions (Table 5.1 above)						**19.12**
Total Operations						**675.18**

Expected Construction emissions are based upon CalEEMod modeling assumptions for equipment and durations listed in Table 1 above. Data is presented in decimal format and may have rounding errors.

6.0 REFERENCES

California Air Resources Board. (2012). *www.arb.ca.gov*. Retrieved from California Air Resources Board Approves Advanced Clean Car Rules: https://ww2.arb.ca.gov/news/california-air-resources-board-approves-advanced-clean-car-rules

California Energy Commission. (2015, June 3). Retrieved from http://www.energy.ca.gov/title24/2016standards/rulemaking/documents/15-day_language/impact_analysis/2016_Impact_Analysis_2015-06-03.pdf

California Energy Commission. (2017). *Docket Log 17-BSTD-01 - Rooftop Solar PV Stystem Report (11-16-2017)*. Retrieved from https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=17-BSTD-01

CalRecycle. (2020). *https://www.calrecycle.ca.gov*. Retrieved from https://www.calrecycle.ca.gov/Climate/

CARB. (2017). *California's 2017 Climate Change Scoping Plan.* Retrieved from https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf

CARB. (2017). *The Advanced Clean Cars Program*. Retrieved from https://www.arb.ca.gov/msprog/acc/acc_conceptdraft.htm

CARB. (2018). *https://ww2.arb.ca.gov*. Retrieved 2021, from https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-program/regional-plan-targets: https://ww2.arb.ca.gov

CARB. (2018). *ww2.arb.ca.gov*. Retrieved 2021, from https://ww2.arb.ca.gov/resources/documents/lcfs-basics: https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard/about

City Data. (2022). *http://www.city-data.com*. Retrieved from https://www.city-data.com/city/Yucaipa-California.html#b

DDCA Architects. (2022). *Architectural Site Plan.*

Google. (2022). Retrieved from www.maps.google.com

Housing and Community Development. (2019). *2019 Residnetial Occupancies Application Checklist.* Retrieved from https://www.hcd.ca.gov/building-standards/calgreen/docs/hcdshl615c.pdf

International Code Council. (2019). *2019 California Green Building Standards Code - Title 24, Part 11.* Retrieved from https://codes.iccsafe.org/content/CAGBSC2019/cover

SANBAG. (2015). Regional Greenhouse Gas Reduction Plan. County of San Bernardion, CA, USA. Retrieved May 12, 2016, from http://www.sanbag.ca.gov/planning2/plan_greenhouse.html

SANDAG. (2021). Draft 2021 Regional Plan. Retrieved from https://sdforward.com/mobility-planning/2021-regional-plan-draft

ATTACHMENT A

CalEEMod 2020.4.0 (Project Buildout Emissions)

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

U-Store-It Yucaipa

San Bernardino-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	147.70	1000sqft	3.79	147,700.00	0
Parking Lot	107.20	1000sqft	2.46	107,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	32
Climate Zone	10			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 6.25 acre site

Construction Phase - cs

Demolition -

Construction Off-road Equipment Mitigation - t3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	DPF	No Change	Level 3
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	40.00
tblLandUse	LotAcreage	3.39	3.79

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2023	0.6161	2.2501	2.6102	5.6200e-003	0.3294	0.1001	0.4294	0.1277	0.0938	0.2215	0.0000	501.5742	501.5742	0.0861	0.0142	507.9611
2024	0.3845	0.2608	0.3756	7.3000e-004	0.0183	0.0116	0.0299	4.9300e-003	0.0109	0.0158	0.0000	64.9690	64.9690	0.0126	1.3700e-003	65.6931
Maximum	**0.6161**	**2.2501**	**2.6102**	**5.6200e-003**	**0.3294**	**0.1001**	**0.4294**	**0.1277**	**0.0938**	**0.2215**	**0.0000**	**501.5742**	**501.5742**	**0.0861**	**0.0142**	**507.9611**

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					
2023	0.4885	2.1290	2.8979	5.6200e-003	0.2247	0.0193	0.2440	0.0758	0.0192	0.0950	0.0000	501.5738	501.5738	0.0861	0.0142	507.9607
2024	0.3710	0.2877	0.4196	7.3000e-004	0.0183	2.6000e-003	0.0209	4.9300e-003	2.5900e-003	7.5200e-003	0.0000	64.9690	64.9690	0.0126	1.3700e-003	65.6930
Maximum	**0.4885**	**2.1290**	**2.8979**	**5.6200e-003**	**0.2247**	**0.0193**	**0.2440**	**0.0758**	**0.0192**	**0.0950**	**0.0000**	**501.5738**	**501.5738**	**0.0861**	**0.0142**	**507.9607**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	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	**14.10**	**3.75**	**-11.11**	**0.00**	**30.10**	**80.35**	**42.32**	**39.16**	**79.14**	**56.80**	**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	**1-1-2023**	**3-31-2023**	0.7169	0.5736
2	**4-1-2023**	**6-30-2023**	0.5899	0.5555
3	**7-1-2023**	**9-30-2023**	0.5964	0.5616
4	**10-1-2023**	**12-31-2023**	0.9911	0.9555
5	**1-1-2024**	**3-31-2024**	0.5994	0.6119
		Highest	0.9911	0.9555

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	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Energy	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	83.2664	83.2664	5.9900e-003	9.8000e-004	83.7084
Mobile	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454
Waste						0.0000	0.0000		0.0000	0.0000	28.1833	0.0000	28.1833	1.6656	0.0000	69.8229
Water						0.0000	0.0000		0.0000	0.0000	10.8360	78.8727	89.7087	1.1196	0.0271	125.7709
Total	**0.7631**	**0.2738**	**1.7154**	**4.0400e-003**	**0.4153**	**4.2600e-003**	**0.4196**	**0.1109**	**4.0600e-003**	**0.1150**	**39.0193**	**533.0865**	**572.1058**	**2.8108**	**0.0459**	**656.0543**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Energy	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	83.2664	83.2664	5.9900e-003	9.8000e-004	83.7084
Mobile	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454
Waste						0.0000	0.0000		0.0000	0.0000	28.1833	0.0000	28.1833	1.6656	0.0000	69.8229
Water						0.0000	0.0000		0.0000	0.0000	10.8360	78.8727	89.7087	1.1196	0.0271	125.7709
Total	**0.7631**	**0.2738**	**1.7154**	**4.0400e-003**	**0.4153**	**4.2600e-003**	**0.4196**	**0.1109**	**4.0600e-003**	**0.1150**	**39.0193**	**533.0865**	**572.1058**	**2.8108**	**0.0459**	**656.0543**

	ROG	NOx	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	1/1/2023	1/27/2023	5	20	
2	Site Preparation	Site Preparation	1/28/2023	2/10/2023	5	10	
3	Grading	Grading	2/11/2023	3/10/2023	5	20	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	3/11/2023	1/26/2024	5	230	
5	Architectural Coating	Architectural Coating	12/2/2023	1/26/2024	5	40	
6	Paving	Paving	1/1/2024	1/26/2024	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 20

Acres of Paving: 2.46

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 221,550; Non-Residential Outdoor: 73,850; Striped Parking Area: 6,432 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	23.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	107.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4600e-003	0.0000	2.4600e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301
Total	**0.0227**	**0.2148**	**0.1964**	**3.9000e-004**	**2.4600e-003**	**9.9800e-003**	**0.0124**	**3.7000e-004**	**9.2800e-003**	**9.6500e-003**	**0.0000**	**33.9921**	**33.9921**	**9.5200e-003**	**0.0000**	**34.2301**

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	3.0000e-005	1.3400e-003	3.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6391	0.6391	3.0000e-005	1.0000e-004	0.6699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.5000e-004**	**1.7300e-003**	**5.2700e-003**	**2.0000e-005**	**1.8400e-003**	**2.0000e-005**	**1.8600e-003**	**4.9000e-004**	**2.0000e-005**	**5.1000e-004**	**0.0000**	**1.9236**	**1.9236**	**6.0000e-005**	**1.3000e-004**	**1.9657**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.6000e-004	0.0000	9.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2500e-003	0.1831	0.2467	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.9920	33.9920	9.5200e-003	0.0000	34.2300
Total	**9.2500e-003**	**0.1831**	**0.2467**	**3.9000e-004**	**9.6000e-004**	**1.2900e-003**	**2.2500e-003**	**1.5000e-004**	**1.2900e-003**	**1.4400e-003**	**0.0000**	**33.9920**	**33.9920**	**9.5200e-003**	**0.0000**	**34.2300**

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	3.0000e-005	1.3400e-003	3.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	5.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.6391	0.6391	3.0000e-005	1.0000e-004	0.6699
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.5000e-004**	**1.7300e-003**	**5.2700e-003**	**2.0000e-005**	**1.8400e-003**	**2.0000e-005**	**1.8600e-003**	**4.9000e-004**	**2.0000e-005**	**5.1000e-004**	**0.0000**	**1.9236**	**1.9236**	**6.0000e-005**	**1.3000e-004**	**1.9657**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	**0.0133**	**0.1376**	**0.0912**	**1.9000e-004**	**0.0983**	**6.3300e-003**	**0.1046**	**0.0505**	**5.8200e-003**	**0.0563**	**0.0000**	**16.7254**	**16.7254**	**5.4100e-003**	**0.0000**	**16.8606**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6600e-003	0.0953	0.1148	1.9000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	**4.6600e-003**	**0.0953**	**0.1148**	**1.9000e-004**	**0.0383**	**7.1000e-004**	**0.0390**	**0.0197**	**7.1000e-004**	**0.0204**	**0.0000**	**16.7253**	**16.7253**	**5.4100e-003**	**0.0000**	**16.8606**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.3000e-004	2.9300e-003	1.0000e-005	9.9000e-004	0.0000	9.9000e-004	2.6000e-004	0.0000	2.7000e-004	0.0000	0.7707	0.7707	2.0000e-005	2.0000e-005	0.7775
Total	**3.1000e-004**	**2.3000e-004**	**2.9300e-003**	**1.0000e-005**	**9.9000e-004**	**0.0000**	**9.9000e-004**	**2.6000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**0.7707**	**0.7707**	**2.0000e-005**	**2.0000e-005**	**0.7775**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004		7.7500e-003	7.7500e-003		7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	**0.0171**	**0.1794**	**0.1475**	**3.0000e-004**	**0.0708**	**7.7500e-003**	**0.0786**	**0.0343**	**7.1300e-003**	**0.0414**	**0.0000**	**26.0606**	**26.0606**	**8.4300e-003**	**0.0000**	**26.2713**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

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					0.0276	0.0000	0.0276	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2600e-003	0.1484	0.1899	3.0000e-004		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
Total	**7.2600e-003**	**0.1484**	**0.1899**	**3.0000e-004**	**0.0276**	**1.1300e-003**	**0.0288**	**0.0134**	**1.1300e-003**	**0.0145**	**0.0000**	**26.0606**	**26.0606**	**8.4300e-003**	**0.0000**	**26.2713**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.9000e-004	4.8800e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2845	1.2845	3.0000e-005	3.0000e-005	1.2958
Total	**5.2000e-004**	**3.9000e-004**	**4.8800e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2845**	**1.2845**	**3.0000e-005**	**3.0000e-005**	**1.2958**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1651	1.5104	1.7056	2.8300e-003		0.0735	0.0735		0.0691	0.0691	0.0000	243.3950	243.3950	0.0579	0.0000	244.8425
Total	**0.1651**	**1.5104**	**1.7056**	**2.8300e-003**		**0.0735**	**0.0735**		**0.0691**	**0.0691**	**0.0000**	**243.3950**	**243.3950**	**0.0579**	**0.0000**	**244.8425**

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	4.9700e-003	0.1627	0.0659	7.9000e-004	0.0278	1.1600e-003	0.0290	8.0300e-003	1.1100e-003	9.1400e-003	0.0000	76.8588	76.8588	2.0000e-003	0.0114	80.2936
Worker	0.0392	0.0292	0.3656	1.0400e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	0.0000	96.2119	96.2119	2.5300e-003	2.6100e-003	97.0529
Total	**0.0441**	**0.1919**	**0.4314**	**1.8300e-003**	**0.1510**	**1.7800e-003**	**0.1528**	**0.0408**	**1.6800e-003**	**0.0424**	**0.0000**	**173.0707**	**173.0707**	**4.5300e-003**	**0.0140**	**177.3466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

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	0.0708	1.4937	1.8767	2.8300e-003		0.0142	0.0142		0.0142	0.0142	0.0000	243.3947	243.3947	0.0579	0.0000	244.8422
Total	**0.0708**	**1.4937**	**1.8767**	**2.8300e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**	**0.0000**	**243.3947**	**243.3947**	**0.0579**	**0.0000**	**244.8422**

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	4.9700e-003	0.1627	0.0659	7.9000e-004	0.0278	1.1600e-003	0.0290	8.0300e-003	1.1100e-003	9.1400e-003	0.0000	76.8588	76.8588	2.0000e-003	0.0114	80.2936
Worker	0.0392	0.0292	0.3656	1.0400e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	0.0000	96.2119	96.2119	2.5300e-003	2.6100e-003	97.0529
Total	**0.0441**	**0.1919**	**0.4314**	**1.8300e-003**	**0.1510**	**1.7800e-003**	**0.1528**	**0.0408**	**1.6800e-003**	**0.0424**	**0.0000**	**173.0707**	**173.0707**	**4.5300e-003**	**0.0140**	**177.3466**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

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	0.0147	0.1344	0.1617	2.7000e-004		6.1300e-003	6.1300e-003		5.7700e-003	5.7700e-003	0.0000	23.1849	23.1849	5.4800e-003	0.0000	23.3220
Total	**0.0147**	**0.1344**	**0.1617**	**2.7000e-004**		**6.1300e-003**	**6.1300e-003**		**5.7700e-003**	**5.7700e-003**	**0.0000**	**23.1849**	**23.1849**	**5.4800e-003**	**0.0000**	**23.3220**

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	4.6000e-004	0.0156	6.1700e-003	7.0000e-005	2.6500e-003	1.1000e-004	2.7600e-003	7.6000e-004	1.0000e-004	8.7000e-004	0.0000	7.2191	7.2191	1.8000e-004	1.0700e-003	7.5416
Worker	3.4700e-003	2.4700e-003	0.0325	1.0000e-004	0.0117	6.0000e-005	0.0118	3.1200e-003	5.0000e-005	3.1700e-003	0.0000	8.9680	8.9680	2.2000e-004	2.3000e-004	9.0420
Total	**3.9300e-003**	**0.0181**	**0.0386**	**1.7000e-004**	**0.0144**	**1.7000e-004**	**0.0146**	**3.8800e-003**	**1.5000e-004**	**4.0400e-003**	**0.0000**	**16.1871**	**16.1871**	**4.0000e-004**	**1.3000e-003**	**16.5836**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.7400e-003	0.1423	0.1787	2.7000e-004		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	23.1849	23.1849	5.4800e-003	0.0000	23.3220
Total	**6.7400e-003**	**0.1423**	**0.1787**	**2.7000e-004**		**1.3600e-003**	**1.3600e-003**		**1.3600e-003**	**1.3600e-003**	**0.0000**	**23.1849**	**23.1849**	**5.4800e-003**	**0.0000**	**23.3220**

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	4.6000e-004	0.0156	6.1700e-003	7.0000e-005	2.6500e-003	1.1000e-004	2.7600e-003	7.6000e-004	1.0000e-004	8.7000e-004	0.0000	7.2191	7.2191	1.8000e-004	1.0700e-003	7.5416
Worker	3.4700e-003	2.4700e-003	0.0325	1.0000e-004	0.0117	6.0000e-005	0.0118	3.1200e-003	5.0000e-005	3.1700e-003	0.0000	8.9680	8.9680	2.2000e-004	2.3000e-004	9.0420
Total	**3.9300e-003**	**0.0181**	**0.0386**	**1.7000e-004**	**0.0144**	**1.7000e-004**	**0.0146**	**3.8800e-003**	**1.5000e-004**	**4.0400e-003**	**0.0000**	**16.1871**	**16.1871**	**4.0000e-004**	**1.3000e-003**	**16.5836**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.3517**	**0.0130**	**0.0181**	**3.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.5000e-004	6.8300e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7984	1.7984	5.0000e-005	5.0000e-005	1.8141
Total	**7.3000e-004**	**5.5000e-004**	**6.8300e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7984**	**1.7984**	**5.0000e-005**	**5.0000e-005**	**1.8141**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	**0.3503**	**0.0136**	**0.0183**	**3.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.5000e-004**	**0.0000**	**2.5571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	5.5000e-004	6.8300e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7984	1.7984	5.0000e-005	5.0000e-005	1.8141
Total	**7.3000e-004**	**5.5000e-004**	**6.8300e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7984**	**1.7984**	**5.0000e-005**	**5.0000e-005**	**1.8141**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8100e-003	0.0122	0.0181	3.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5569
Total	**0.3516**	**0.0122**	**0.0181**	**3.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.4000e-004**	**0.0000**	**2.5569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.8000e-004	6.3700e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7601	1.7601	4.0000e-005	5.0000e-005	1.7746
Total	**6.8000e-004**	**4.8000e-004**	**6.3700e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7601**	**1.7601**	**4.0000e-005**	**5.0000e-005**	**1.7746**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	2.5533	2.5533	1.4000e-004	0.0000	2.5568
Total	**0.3503**	**0.0136**	**0.0183**	**3.0000e-005**		**1.4000e-004**	**1.4000e-004**		**1.4000e-004**	**1.4000e-004**	**0.0000**	**2.5533**	**2.5533**	**1.4000e-004**	**0.0000**	**2.5568**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	4.8000e-004	6.3700e-003	2.0000e-005	2.3000e-003	1.0000e-005	2.3100e-003	6.1000e-004	1.0000e-005	6.2000e-004	0.0000	1.7601	1.7601	4.0000e-005	5.0000e-005	1.7746
Total	**6.8000e-004**	**4.8000e-004**	**6.3700e-003**	**2.0000e-005**	**2.3000e-003**	**1.0000e-005**	**2.3100e-003**	**6.1000e-004**	**1.0000e-005**	**6.2000e-004**	**0.0000**	**1.7601**	**1.7601**	**4.0000e-005**	**5.0000e-005**	**1.7746**

3.7 Paving - 2024

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	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0131**	**0.0953**	**0.1463**	**2.3000e-004**		**4.6900e-003**	**4.6900e-003**		**4.3100e-003**	**4.3100e-003**	**0.0000**	**20.0265**	**20.0265**	**6.4800e-003**	**0.0000**	**20.1885**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.5000e-004	4.5500e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2572	1.2572	3.0000e-005	3.0000e-005	1.2676
Total	**4.9000e-004**	**3.5000e-004**	**4.5500e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2572**	**1.2572**	**3.0000e-005**	**3.0000e-005**	**1.2676**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6100e-003	0.1130	0.1730	2.3000e-004		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	3.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.8300e-003**	**0.1130**	**0.1730**	**2.3000e-004**		**9.1000e-004**	**9.1000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**20.0265**	**20.0265**	**6.4800e-003**	**0.0000**	**20.1884**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.5000e-004	4.5500e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2572	1.2572	3.0000e-005	3.0000e-005	1.2676
Total	**4.9000e-004**	**3.5000e-004**	**4.5500e-003**	**1.0000e-005**	**1.6400e-003**	**1.0000e-005**	**1.6500e-003**	**4.4000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**1.2572**	**1.2572**	**3.0000e-005**	**3.0000e-005**	**1.2676**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454
Unmitigated	0.1506	0.2592	1.7000	3.9500e-003	0.4153	3.1400e-003	0.4184	0.1109	2.9400e-003	0.1139	0.0000	370.9410	370.9410	0.0196	0.0178	376.7454

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	257.00	257.00	257.00	1,101,421	1,101,421
Total	257.00	257.00	257.00	1,101,421	1,101,421

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

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	67.4239	67.4239	5.6900e-003	6.9000e-004	67.7718
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	67.4239	67.4239	5.6900e-003	6.9000e-004	67.7718
NaturalGas Mitigated	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366
NaturalGas Unmitigated	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	296877	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366
Total		**1.6000e-003**	**0.0146**	**0.0122**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**15.8425**	**15.8425**	**3.0000e-004**	**2.9000e-004**	**15.9366**

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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	296877	1.6000e-003	0.0146	0.0122	9.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	15.8425	15.8425	3.0000e-004	2.9000e-004	15.9366
Total		**1.6000e-003**	**0.0146**	**0.0122**	**9.0000e-005**		**1.1100e-003**	**1.1100e-003**		**1.1100e-003**	**1.1100e-003**	**0.0000**	**15.8425**	**15.8425**	**3.0000e-004**	**2.9000e-004**	**15.9366**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	37520	6.6540	5.6000e-004	7.0000e-005	6.6883
Unrefrigerated Warehouse-No Rail	342664	60.7699	5.1300e-003	6.2000e-004	61.0834
Total		**67.4239**	**5.6900e-003**	**6.9000e-004**	**67.7718**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	37520	6.6540	5.6000e-004	7.0000e-005	6.6883
Unrefrigerated Warehouse-No Rail	342664	60.7699	5.1300e-003	6.2000e-004	61.0834
Total		**67.4239**	**5.6900e-003**	**6.9000e-004**	**67.7718**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Unmitigated	0.6109	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Total	**0.6109**	**3.0000e-005**	**3.2500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.3300e-003**	**6.3300e-003**	**2.0000e-005**	**0.0000**	**6.7400e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.3300e-003	6.3300e-003	2.0000e-005	0.0000	6.7400e-003
Total	**0.6109**	**3.0000e-005**	**3.2500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**6.3300e-003**	**6.3300e-003**	**2.0000e-005**	**0.0000**	**6.7400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	89.7087	1.1196	0.0271	125.7709
Unmitigated	89.7087	1.1196	0.0271	125.7709

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.1556 / 0	89.7087	1.1196	0.0271	125.7709
Total		**89.7087**	**1.1196**	**0.0271**	**125.7709**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	34.1556 / 0	89.7087	1.1196	0.0271	125.7709
Total		**89.7087**	**1.1196**	**0.0271**	**125.7709**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.1833	1.6656	0.0000	69.8229
Unmitigated	28.1833	1.6656	0.0000	69.8229

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	138.84	28.1833	1.6656	0.0000	69.8229
Total		**28.1833**	**1.6656**	**0.0000**	**69.8229**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	138.84	28.1833	1.6656	0.0000	69.8229
Total		**28.1833**	**1.6656**	**0.0000**	**69.8229**

9.0 Operational Offroad

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

GEOTECHNICAL INVESTIGATION

U STOR IT YUCAIPA
SW OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

GEOCON
WEST, INC.

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

CHICAGO CAPITAL FUNDS, LLC
SAN DIEGO, CALIFORNIA

NOVEMBER 15, 2021
PROJECT NO. T2953-22-01

GEOCON
WEST, INC.
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. T2953-22-01
November 15, 2021

Chicago Capital Funds, LLC
501 West Broadway, Suite 2020
San Diego, California 92101

Attention: Mr. Peter Nora

Subject: GEOTECHNICAL INVESTIGATION
U STOR IT YUCAIPA
YUCAIPA BOULEVARD AND 11TH STREET
YUCAIPA, CALIFORNIA

Dear Mr. Nora:

In accordance with your authorization of Proposal No. IE-2858, Geocon West Inc. (Geocon) herein submits the results of our preliminary geotechnical investigation for the subject site. The accompanying report presents the results of our study and conclusions and recommendations pertaining to the geotechnical aspects of the proposed self-storage facility improvements. The site is considered suitable for development provided the recommendations of this report are followed.

This study is preliminary prior to development of the final plans. As such, this study should be reviewed with respect to the final plans and an additional geotechnical study may be required.

Should you have questions regarding this report, or if we may be of further service, please contact the undersigned at your convenience.

Very truly yours,

GEOCON WEST, INC.

PROFESSIONAL GEOLOGIST
LISA A. BATTIATO
No. 2316
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Lisa A. Battiato
CEG 2316

Luke Weidman
GIT 891

REGISTERED PROFESSIONAL ENGINEER
SHAWN WEEDON
No. 2714
GEOTECHNICAL
STATE OF CALIFORNIA

Shawn Foy Weedon
GE 2714

LCW:LR:SFW:hd
(e-mail)

TABLE OF CONTENTS

1. PURPOSE AND SCOPE 1

2. SITE AND PROJECT DESCRIPTION 2

3. GEOLOGIC SETTING 3

4. SOIL AND GEOLOGIC CONDITIONS 4
   4.1 Young Alluvium (Qa) 4
   4.2 Older Alluvium (Qoa) 4

5. GROUNDWATER 4

6. GEOLOGIC HAZARDS 5
   6.1 Surface Fault Rupture 5
   n/a = data not available. 5
   6.2 Seismicity 6
   6.3 Liquefaction 6
   6.4 Expansive Soil 7
   6.5 Hydrocompression 7
   6.6 Seiches and Tsunamis 7
   6.7 Inundation 7
   6.8 Landslides 8
   6.9 Rock Fall Hazards 8
   6.10 Slope Stability 8

7. SITE INFILTRATION 8

8. CONCLUSIONS AND RECOMMENDATIONS 10
   8.1 General 10
   8.2 Excavation and Soil Characteristics 11
   8.3 Grading 13
   8.4 Earthwork Grading Factors 15
   8.5 Utility Trench Backfill 15
   8.6 Seismic Design Criteria 15
   8.7 Shallow Foundations 17
   8.8 Concrete Slabs-On-Grade 18
   8.9 Exterior Concrete Flatwork 20
   8.10 Retaining Walls 21
   8.11 Lateral Loading 25
   8.12 Preliminary Pavement Recommendations 25
   8.13 Temporary Excavations 29
   8.14 Site Drainage and Moisture Protection 30
   8.15 Grading and Foundation Plan Review 31

LIMITATIONS AND UNIFORMITY OF CONDITIONS

LIST OF REFERENCES

TABLE OF CONTENTS (Concluded)

MAPS AND ILLUSTRATIONS
Figure 1, Vicinity Map
Figure 2, Geologic Map

APPENDIX A
FIELD INVESTIGATION
Figures A-1 through A-10, Logs of Test Pits
Figures A-11 and A-12, Logs of Percolation Test Holes
Figures A-13 and A-14, Percolation Test Report Data

APPENDIX B
LABORATORY TESTING
Figures B-1 and B-2, Compaction Characteristics Using Modified Effort Test Results
Figure B-3, Expansion Index Test Results
Figure B-4, Corrosivity Test Results
Figures B-5 and B-6, Grain Size Distribution
Figure B-7, Direct Shear Test Results

APPENDIX C
RECOMMENDED GRADING SPECIFICATIONS

GEOTECHNICAL INVESTIGATION

1. PURPOSE AND SCOPE

This report presents the results of our geotechnical investigation for the proposed self-storage facility planned for an irregularly shaped site located west of 11th Street and south of Yucaipa Boulevard in Yucaipa, California (see *Vicinity Map*, Figure 1). The purposes of the preliminary geotechnical investigation are to evaluate the surface and subsurface soil conditions and general site geology, and to identify geotechnical constraints that may affect development of the property including faulting, liquefaction, and seismic shaking based on the 2019 California Building Code (CBC) seismic design criteria. In addition, we provided recommendations for remedial grading, shallow foundations, concrete slab-on-grade, concrete flatwork, preliminary pavement sections, lateral loading, and retaining walls. This investigation also included a review of readily available published and unpublished geologic literature (see *List of References*).

The scope of this investigation included performing a site reconnaissance, field exploration, laboratory testing, engineering analyses and preparing this report. We performed our field investigation on October 13 and 14, 2021, including excavating 10 test pits to depths ranging from 7 to 14 feet below the existing ground surface and two percolation test pit/holes to 3 and 5 feet below the existing ground surface. In place moisture/density tests were taken within the test pits using a Troxler moisture density gauge. The *Geologic Map*, Figure 2, presents the approximate locations of the test pits and percolation test pits/holes. *Appendix A* provides a detailed discussion of the field investigation and includes logs of the test pits with nuclear gauge moisture density results and percolation test results. Details of the laboratory tests and a summary of the test results are presented in *Appendix B* and on the test pit logs in *Appendix A*.

Recommendations presented herein are based on analyses of data obtained from our site investigation and our understanding of proposed site development. References reviewed to prepare this report are provided in the *List of References*. If project details vary significantly from those described herein, Geocon should be contacted to evaluate the necessity for review and possible revision of this report.

2. SITE AND PROJECT DESCRIPTION

The site is located within the city block bound by Yucaipa Boulevard to the north, Avenue D to the south, 12th Street to the west and 11th Street, and is bounded on the south, east and west by single and multi-family residential housing and on the north by a business center. Historic images via Google Earth show the site has been undeveloped since before 1995. Grass and some trees were observed to cover the site during our field work. The existing grades on site range from approximately elevation 2,154 feet above mean sea level (MSL) to the southwest to 2,182 feet above MSL to the northeast. The site is at approximately latitude 34.0326 and longitude -117.0840.

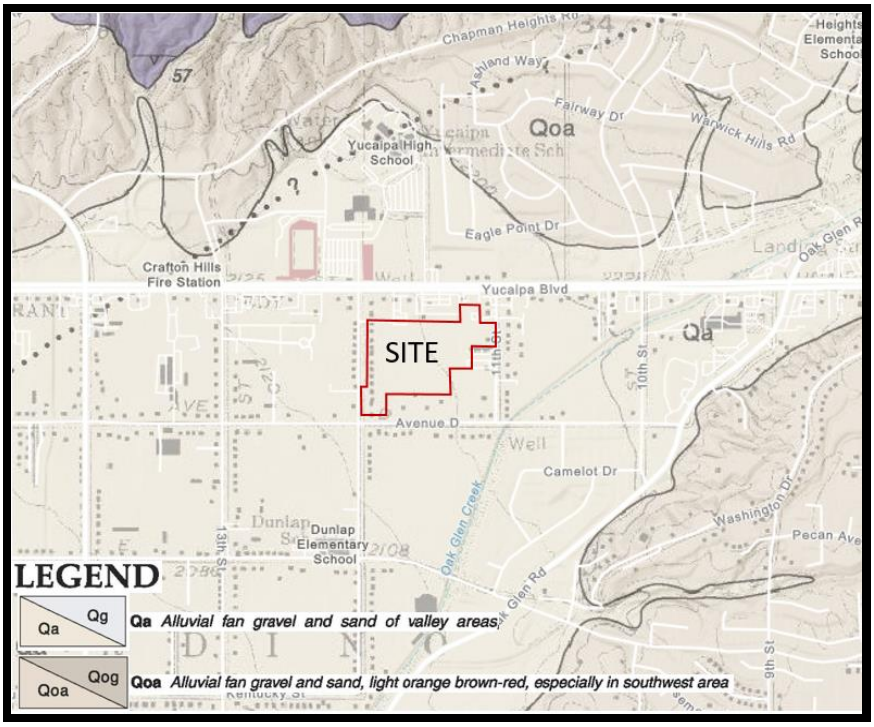
Grading plans were not available for our review at the time of this investigation. The *ALTA / NSPS Land Title Survey* by Omega Land Surveying Incorporated dated September 24, 2021 was utilized as the base for our *Geologic Map*, Figure 2. The proposed development is currently planned to include a 1-story self-storage building, driveways and parking areas, and an on-site storm water retention/ infiltration system.

Based on the site and surrounding grades, we expect that rough grading will result in cuts and fills of up to 3 feet, exclusive of remedial removals. We have not been provided with the project plans; however, we expect the planned structures will be supported on shallow foundation systems. Once the grading plan and foundation loading configuration proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary.

The site descriptions and proposed development are based on a site reconnaissance, review of published geologic literature, our field investigation, and discussions with you. If development plans differ from those described herein, Geocon should be contacted for review of the plans and possible revisions to this report.

3. GEOLOGIC SETTING

The project site is located in the San Gorgonio Pass at the northern margin of the Peninsular Ranges Geomorphic Province. The Peninsular Ranges are bounded on the north by the Transverse Ranges (San Gabriel and San Bernardino Mountains) and on the east by the San Andreas Fault. The Peninsular Ranges Province extends southward into Mexico and westward past the Channel Islands. Geologic units within the Peninsular Ranges consist of granitic and metamorphic bedrock highlands and deep and broad alluvial valleys. The Regional Geologic Map shows the geologic units in the area of the site.



Regional Geologic Map

4. SOIL AND GEOLOGIC CONDITIONS

The site geologic materials encountered during our investigation consist of young alluvium overlying old alluvium. Descriptions of the soil and geologic conditions are shown on the test pit logs located in *Appendix A* and are described herein in order of increasing age. Geologic nomenclature follows that of Dibblee & Minch, 2004.

4.1 Young Alluvium (Qa)

We encountered young alluvium at current ground surface across the site to depths ranging from approximately 2 to 7 feet. The young alluvium is described as alluvial fan gravel and sand of the valley areas, derived from the local mountains and hills, and consists of an upper silty sand unit overlying a lower silty sand with gravel unit. The upper unit is massive and porous, and the lower unit is crudely laminated to moderately bedded and exhibits fining upward sequences, with basal gravel layers, that coincide with alluvial fan deposition. The young alluvium can be characterized as loose to medium dense, dry to slightly moist, and dark brown.

4.2 Older Alluvium (Qoa)

Older alluvium exists below the young alluvium to the greatest depths explored in Test Pits TP-1 through TP-10. The older alluvium encountered consists of silty sand that can be characterized as medium dense, dry to moist, and various shades of dark yellowish brown, dark reddish brown, and dark brown. Clay films are visible on surfaces of the blocky soil and many of the coarser sand grains are oxidized. In addition, we encountered some mica, varying amounts of gravel, and trace porosity in this unit. We expect this unit extends to depths greater than 50 feet below the existing ground surface.

5. GROUNDWATER

We did not encounter groundwater or seepage during the site investigation. According to the California Department of Water Resources, wells in the area indicate depths to groundwater between 1921 and 2018 ranged between 88 and 341 feet below the existing ground surface. It is not uncommon for seepage conditions to develop where none previously existed. Groundwater and seepage are dependent on seasonal precipitation, irrigation, land use, among other factors, and varies as a result. Proper surface drainage will be important to future performance of the project.

6. GEOLOGIC HAZARDS

6.1 Surface Fault Rupture

The numerous faults in southern California include active, potentially active, and inactive faults. The criteria for these major groups are based on criteria developed by the California Geological Survey (CGS, formerly known as CDMG) for the Alquist-Priolo Earthquake Fault Zone Program (Bryant and Hart, 2007). By definition, an active fault is one that has had surface displacement within Holocene time (about the last 11,700 years). A potentially active fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years) but has had no known Holocene movement. Faults that have not moved in the last 1.6 million years are considered inactive.

The site is not within a currently established State of California Alquist-Priolo Earthquake Fault Zone or a San Bernadino County Designated Fault Zone for surface fault rupture hazards. No active or potentially active faults with the potential for surface fault rupture are known to pass directly beneath the site. The closest surface trace of an active fault to the site is the Crafton Hills fault located less that one half mile southeast of the site. Other nearby active faults are listed in Table 6.1.

TABLE 6.1
ACTIVE FAULTS WITHIN 50 MILES OF THE SITE

Fault Name	Maximum Magnitude (Mw)	Geometry (Slip Character)	Slip Rate (mm/yr)	Information Source	Distance from Site (mi)	Direction from Site
Crafton Hills	7.5	RL-SS	24.0	a	<0.5	E
San Andreas	7.5	RL-SS	24.0	a	5	NE
Claremont	6.7	RL-SS	12.0	a	7.5	SW
San Gorgonio Pass	n/a	THRUST	n/a	a	10	SE
Casa Loma	6.9	RL-SS	12.0	a	15	SE
Glen Helen	6.7	RL-SS	12.0	a	20	NW
Pinto Mountain	7.2	LL-SS	2.5	b	22	E
North Frontal	6.7	R	0.5	a	25	NE
Cucamonga	6.9	R	5.0	b	25	NW
Glen Ivy	6.8	RL-SS	5.0	a	30	SW
Chino	6.7	RL-R-O	1.0	b	33	W
Lenwood	7.5	RL-SS	0.6	b	35	NE
San Jacinto	7.2	RL-SS	12.0	a	35	SE
Johnson Valley	6.7	RL-SS	0.6	b	40	NE
Homestead	7.3	RL-SS	0.5	b	45	NE

Geometry: BT = blind thrust, LL = left lateral, N = normal, O = oblique, R = reverse, RL = right lateral, SS = strike slip.

Information Sources: a = Cao, T., Bryant, W.A., Rowshandel, B., Branum, D., and Wills, C.J., 2003, The Revised 2002 California Probabilistic Seismic Hazard Maps, including Appendices A, B, and C, dated June; b = online Fault Activity Map of California website, maps.conservation.ca.gov/cgs/fam/, as of 1/2017.

n/a = data not available.

6.2 Seismicity

As with all of southern California, the site has experienced historic earthquakes from various regional faults. The seismicity of the region surrounding the site was formulated based on research of an electronic database of earthquake data. A number of earthquakes of moderate to major magnitude have occurred in the southern California area within the last 100 years. A partial list of these earthquakes is included in the Table 6.2.

TABLE 6.2
HISTORIC EARTHQUAKE EVENTS WITH REPECT TO THE SITE

Earthquake (Oldest to Youngest)	Date of Earthquake	Magnitude	Distance to Epicenter (Miles)	Direction to Epicenter
Near Redlands	July 23, 1923	6.3	67	N
Long Beach	March 10, 1933	6.4	65	NW
Tehachapi	July 21, 1952	7.5	175	NW
San Fernando	February 9, 1971	6.6	121	NW
Whittier Narrows	October 1, 1987	5.9	91	NW
Sierra Madre	June 28, 1991	5.8	100	NW
Landers	June 28, 1992	7.3	89	NNE
Big Bear	June 28, 1992	6.4	82	NNE
Northridge	January 17, 1994	6.7	117	NW
Hector Mine	October 16, 1999	7.1	118	NNE
Ridgecrest China Lake Fault	July 5, 2019	7.1	191	NNW

6.3 Liquefaction

Liquefaction is a phenomenon in which loose, saturated, relatively cohesionless soil deposits lose shear strength during strong ground motions. Primary factors controlling liquefaction include intensity and duration of ground motion, gradation characteristics of the subsurface soils, in-situ stress conditions, and the depth to groundwater. Liquefaction is typified by a loss of shear strength in the liquefied layers due to rapid increases in pore water pressure generated by earthquake accelerations. Seismically induced “dry-sand” settlement may occur whether the potential for liquefaction exists or not.

Liquefaction typically occurs in areas where the soils below the water table are composed of poorly consolidated, fine to medium-grained, primarily sandy soil. In addition to the requisite soil conditions, the ground acceleration and duration of the earthquake must also be of a sufficient level to induce liquefaction.

We expect the upper young alluvium across the site could be prone to seismic “dry-sand” settlement during a high-magnitude earthquake. The remedial grading recommended herein will remove and reprocess the upper dry young alluvial soils resulting in compacted fill overlying older alluvium. Therefore, we expect “dry-sand” settlement is not a design consideration for this site.

6.4 Expansive Soil

The onsite soils encountered include silt, silty sand, and poorly graded sand with gravel. Laboratory test results indicate a sample of the near surface soil exhibits a “very low” expansion potential (expansion index [EI] of 20 or less) with test results showing an expansion index of 0.

6.5 Hydrocompression

Hydrocompression is the tendency of unsaturated soil structure to collapse upon wetting resulting in the overall settlement of the affected soil and overlying foundations or improvements supported thereon. Potentially compressible soils underlying the site are typically removed and recompacted during remedial site grading. However, if compressible soil is left in-place, a potential for settlement due to hydrocompression of the soil exists.

Remedial grading will remove and reprocess the upper dry site soils resulting in compacted fill overlying older alluvium. However, the possibility of hydrocompression in the underlying older alluvium cannot be ruled out for this site.

6.6 Seiches and Tsunamis

Seiches are caused by the movement of an inland body of water due to the movement from seismic forces. There are no bodies of water near the site. Therefore, flooding due a seiche is not a design consideration.

A tsunami is a series of long-period waves generated in the ocean by a sudden displacement of large volumes of water. Causes of tsunamis include underwater earthquakes, volcanic eruptions, or offshore slope failures. The site is located approximately 53 miles from the Pacific Ocean at an elevation greater than 2,000 feet MSL. Therefore, the risk of tsunamis affecting the site is negligible and not a design consideration.

6.7 Inundation

According to the State of California, Department of Water Resources, the site is not within an inundation zone due to dam failure. Therefore, inundation due to dam failure is not a design consideration.

6.8 Landslides

Landslides are not mapped on or near the site. Due to the relatively level topography at the site, we opine landslides are not present at the property or at a location that could impact the subject site.

6.9 Rock Fall Hazards

Rock falls are not a design consideration due to the lack of natural bedrock slopes above and adjacent to the site.

6.10 Slope Stability

Graded slopes are not proposed on the site at this time, therefore slope stability is not a design consideration.

7. SITE INFILTRATION

Percolation testing was performed in accordance with the procedures outlined in *San Bernardino County Document for Water Quality Management Plans* which references procedures in *Riverside County Flood Control and Water Conservation District LID BMP, Appendix A* for infiltration basins. The percolation test locations are depicted on the *Geologic Map*, Figure 2.

Percolation Test Pits P-1 and P-2 were excavated to proposed basin bottom elevation at depths of 3 and 5 feet below existing grades, respectively, using a backhoe equipped with a 24-inch diameter bucket. The final 20 inches were hand excavated and an 8-inch-diameter perforated bucket with a 3-inch diameter hole cut in the bottom was placed face down in the resulting void space. Gravel was place at the bottom of the hole and around the bucket. A 3-inch PVC pipe was placed into the hole and extended to the gravel layer. The test pit was backfilled with the PVC pipe just above the surface to convey water into the portion of the hole for testing. The test locations were pre-saturated prior to testing. Percolation testing began within 24 hours after the holes were presaturated. During the testing for P-1, all of the water added percolated into the ground before the 10-minute reading interval. In order to obtain a measurable rate at Test Pit P-1, 30 second intervals between readings were taken. Percolation data sheets are presented in *Appendix A* of this report. Results of the converted percolation test rates to infiltration test rates are presented in Table 7.

TABLE 7
INFILTRATION TEST RATES FOR PERCOLATION AREAS

Parameter	P-1	P-2
Depth (inches)	36	60
Test Type	Sandy	Normal
Change in head over time: ΔH (inches)	2.0	5.8
Average head: Havg (inches)	7.4	9.7
Time Interval (minutes): Δt (minutes)	0.5	30
Radius of test hole: r (inches)	4	4
Tested Infiltration Rate: It (inches/hour)	52.2	2.0

The results of the infiltration testing indicate that infiltration at the locations tested ranges from 2.0 to 52.2 inches per hour.

The in-situ field percolation tests performed provide short-term infiltration rates, which apply mainly to the initiation of the infiltration process due to the short time of the test (hours instead of days) and the amount of water used. Where appropriate, the short-term infiltration rates shall be converted to long-term infiltration rates using reduction factors depending on the degree of infiltrate quality, maintenance access and frequency, site variability, subsurface stratigraphy variation, and other factors. The small-scale percolation testing cannot model the complexity of the effect of interbedded layers of different soil composition, and our test results should be considered only as index values of infiltration rates.

8. CONCLUSIONS AND RECOMMENDATIONS

8.1 General

8.1.1 From a geotechnical engineering standpoint, the site is suitable for construction of the proposed self-storage facility provided the recommendations presented herein are implemented in design and construction of the project.

8.1.2 Potential geologic hazards at the site include seismic shaking and compressible near surface alluvium and hydrocompression.

8.1.3 The site is located less than 0.5 miles from the nearest active fault. Based on our background research and previous investigation, it is our opinion active, potentially active, or inactive faults do not extend across the site. Risks associated with seismic activity consist of the potential for moderate to strong seismic shaking.

8.1.4 Our field investigation indicates the site is underlain by young alluvium overlying older alluvium. The young alluvium and upper dry portions of the older alluvium are not considered suitable for the support of compacted fill and settlement-sensitive structures. Remedial grading of the young alluvium and dry portions of the older alluvium will be required as discussed herein. The existing site soils are suitable for re-use as engineered fill provided the recommendations in the *Grading* section of this report are followed.

8.1.5 Some granular on-site soils may have little to no cohesion and are subject to caving in unshored excavations. It is the responsibility of the contractor to ensure that excavations and trenches are properly laid back and/or shored and maintained in accordance with OSHA rules and regulations to maintain the stability of adjacent existing improvements and life-safety.

8.1.6 The laboratory tests indicate the on-site soils are “non-expansive” and have a “very low” expansion potential (expansion index of 20 or less). If “medium” to “high” expansive soils are encountered at the site (expansion index greater than 50), they should be exported from the site or selectively graded and placed in the deeper fill areas to allow for the placement of low expansion material at the finish pad grade.

8.1.7 Grading plans were not available to review at the time of this report. However, based on the existing grades and anticipated grades, cuts and fills of up to 10 feet are expected, not including remedial grading.

8.1.8 Proper drainage should be maintained in order to preserve the design properties of the engineered fill in the sheet-graded pad areas.

8.1.9 Once final grading plans become available, they should be reviewed by this office to evaluate the necessity for review and possible revision of this report.

8.2 Excavation and Soil Characteristics

8.2.1 Excavation of the young and older alluvium should be possible with moderate effort using conventional heavy-duty equipment in proper functioning order.

8.2.2 The soil encountered in the field investigation is "non-expansive" (expansion index [EI] of 20 or less) as defined by 2019 California Building Code (CBC) Section 1803.5.3. Based on the laboratory test results, we expect a majority of the soil encountered will possess a "very low" expansion potential (EI of 20 or less). Although unlikely, soil with a "medium" to "high" expansion potential (EI greater than 51) should not be placed within 4 feet of the proposed foundations, flatwork or paving improvements. Table 8.2.2 presents soil classifications based on the expansion index.

TABLE 8.2.2
EXPANSION CLASSIFICATION BASED ON EXPANSION INDEX

Expansion Index (EI)	ASTM D 4829 Expansion Classification	2019 CBC Expansion Classification
0 – 20	**Very Low**	**Non-Expansive**
21 – 50	Low	Expansive
51 – 90	Medium	
91 – 130	High	
Greater Than 130	Very High	

8.2.3 Additional testing for expansion potential should be performed during finish grading along with plasticity index testing on soils with expansion indices of more than 20.

8.2.4 Laboratory tests performed on samples of the site materials indicate that the on-site materials possess a "S0" sulfate exposure to concrete structures as defined by 2019 CBC Section 1904.3 and ACI 318. Table 8.2.4 presents a summary of concrete requirements set forth by 2019 CBC Section 1904.3 and ACI 318. The presence of water-soluble sulfates is not a visually discernible characteristic; therefore, other soil samples from the site could yield different concentrations. Additionally, over time landscaping activities (i.e., addition of fertilizers and other soil nutrients) may affect the concentration.

TABLE 8.2.4
REQUIREMENTS FOR CONCRETE EXPOSED TO SULFATE-CONTAINING SOLUTIONS

Exposure Class	Water-Soluble Sulfate (SO_4) Percent by Weight	Cement Type (ASTM C 150)	Maximum Water to Cement Ratio by Weight[1]	Minimum Compressive Strength (psi)
S0	**SO_4<0.10**	**No Type Restriction**	**n/a**	**2,500**
S1	$0.10 \leq SO_4 < 0.20$	II	0.50	4,000
S2	$0.20 \leq SO_4 \leq 2.00$	V	0.45	4,500
S3	$SO_4 > 2.00$	V+Pozzolan or Slag	0.45	4,500

[1] Maximum water to cement ratio limits do not apply to lightweight concrete.

8.2.5 Laboratory testing indicates the site soils have a minimum electrical resistivity of 13,000 ohm-cm, possess 0 ppm chloride, 0 ppm sulfate, and a pH of 8.0. As shown in Table 8.2.5 below, the site would **not** be classified as "corrosive" to buried improvements, in accordance with the Caltrans Corrosion Guidelines (Caltrans, 2018).

TABLE 8.2.5
CALTRANS CORROSION GUIDELINES

Corrosion Exposure	Resistivity (ohm-cm)	Chloride (ppm)	Sulfate (ppm)	pH
Corrosive	<1,100	500 or greater	1,500 or greater	5.5 or less

8.2.6 Geocon does not practice in the field of corrosion engineering. Therefore, further evaluation by a corrosion engineer may be performed if improvements that could be susceptible to corrosion are planned.

8.3 Grading

8.3.1 Grading should be performed in accordance with the *Recommended Grading Specifications* of *Appendix C* and the grading ordinances of the City of Yucaipa.

8.3.2 Prior to commencing grading, a preconstruction conference should be held at the site with the City Inspector, Owner or Developer, Grading Contractor, Civil Engineer, and Geotechnical Engineer in attendance. Special soil handling and/or the grading plans can be discussed at that time.

8.3.3 Site preparation should begin with the removal of existing improvements, deleterious material, debris and vegetation. The depth of removal should be such that material exposed in cut areas or soil to be used as fill is relatively free of organic matter. Material generated during stripping and/or site demolition should be exported from the site.

8.3.4 Abandoned foundations and buried utilities (if encountered) should be removed and the resultant depressions and/or trenches should be backfilled with properly compacted material as part of the remedial grading.

8.3.5 Remedial grading should entail the removal of the young alluvium to expose competent older alluvium. Based on our investigation, removals will be 5 to 7 feet deep, as noted on Figure 2. The actual depth of remedial grading should be evaluated by the Engineering Geologist during grading operations. Removals should extend laterally a minimum of 5 feet or for a distance equal to the depth of the removal, whichever is greater, so as to maintain a 1:1 (h:v) projection from the outside bottom edge of footings. The bottom of the excavations in soil should be scarified to a depth of at least 1 foot, moisture conditioned at or slightly above optimum moisture content, and compacted to 90 percent of the laboratory maximum dry density, as determined by ASTM D1557, prior to fill placement.

8.3.6 In areas of proposed improvements outside of the building areas, the upper 3 feet of existing soil should be processed, moisture conditioned as necessary and recompacted. Deeper removals may be required in areas where loose or saturated materials are encountered. The removals should extend at least 2 feet outside of the improvement area, where possible. Table 8.3.6 provides a summary of the grading recommendations.

TABLE 8.3.6
SUMMARY OF GRADING RECOMMENDATIONS

Area	Removal Requirements
Building Pads	Removal of Young Alluvium and Upper Dry Portions of Older Alluvium to Competent Material, 5 to 7 feet Estimated
Site Development	Process Upper 3 Feet of Existing Materials
Grading Limits	10 Feet Outside of Buildings/2 Feet Outside of Improvement Areas, Where Possible
Exposed Bottoms of Remedial Grading	Scarify Upper 12 Inches

8.3.7 The site should be brought to finish grade elevations with engineered fill compacted in layers. Layers of fill should be no thicker than will allow for adequate bonding and compaction. Fill, including backfill and scarified ground surfaces, should be compacted to a dry density of at least 90 percent of the laboratory maximum dry density at or slightly above optimum moisture content (as determined by ASTM D1557). Fill materials placed below optimum moisture content may require additional moisture conditioning prior to placing additional fill.

8.3.8 The fill placed within 4 feet of proposed finish grade should possess a "very low" to "low" expansion potential (EI of 50 or less), where practical.

8.3.9 Oversized rock (i.e. rock greater than 12-inches in maximum dimension) may be encountered and generated during grading operations. The oversize rock will require special handling and placement. Rocks greater than 3 inches in maximum dimensions should not be placed within utility trench backfill. Rocks greater than 6 inches in maximum dimension should not be placed in soil fill within the upper 3 feet of finish grade. Rocks 6 to 12 inches in maximum dimension should be placed deeper than 3 feet below finished grade elevations. Rocks 12 inches or larger in maximum dimension should be exported from the site or placed at specified depths in accordance with the *Recommended Grading Specifications* in *Appendix C*.

8.3.10 Import fill (if necessary) should consist of the characteristics presented in Table 8.3.10. Geocon Incorporated should be notified of the import soil source and should perform laboratory testing of import soil prior to its arrival at the site to determine its suitability as fill material.

TABLE 8.3.10
SUMMARY OF IMPORT FILL RECOMMENDATIONS

Soil Characteristic	Values
Expansion Potential	"Very Low" to "Low" (Expansion Index of 50 or less)
Particle Size	Maximum Dimension Less Than 3 Inches
	Generally Free of Debris

8.4 Earthwork Grading Factors

8.4.1 Estimates of shrinkage factors are based on empirical judgments comparing the material in its existing or natural state as encountered in the exploratory excavations to a compacted state. Variations in natural soil density and in compacted fill density render shrinkage value estimates very approximate. As an example, the contractor can compact the fill to a dry density of 90 percent or higher of the laboratory maximum dry density. Thus, the contractor has an approximately 10 percent range of control over the fill volume Due to the variations in the actual shrinkage/bulking factors, a balance area should be provided to accommodate variations.

8.5 Utility Trench Backfill

8.5.1 Utility trenches should be properly backfilled in accordance with the requirements of the city of Yucaipa and the latest edition of the *Standard Specifications for Public Works Construction* (Greenbook). The pipes should be bedded with well-graded crushed rock or clean sand (Sand Equivalent greater than 30) to a depth of at least one foot over the pipe.

8.5.2 If open graded rock is used, it should be wrapped in filter fabric to prevent finer soils from migrating into the rock voids. The remainder of the trench backfill may be derived from onsite soil or approved import soil. Backfill of utility trenches should not contain rocks greater than 3 inches in diameter. The use of 2-sack slurry and controlled low strength material (CLSM) are also acceptable as backfill. However, consideration should be given to the possibility of differential settlement where the slurry ends and earthen backfill begins. These transitions should be minimized, and additional stabilization should be considered at these transitions.

8.5.3 Utility trench backfill should be placed in layers no thicker than will allow for adequate bonding and compaction. Utility backfill should be compacted to a dry density of at least 90 percent of the laboratory maximum dry density and moisture conditioned at or slightly above optimum moisture content (as determined by ASTM D1557). Backfill at the finish subgrade elevation of new pavements should be compacted to at least 95 percent of the maximum dry density. Backfill materials placed below the recommended moisture content may require additional moisture conditioning prior to placing additional fill.

8.6 Seismic Design Criteria

8.6.1 Table 8.6.1 summarizes site-specific design criteria obtained from the 2019 California Building Code (CBC; Based on the 2018 International Building Code [IBC] and ASCE 7-16), Chapter 16 Structural Design, Section 1613 Earthquake Loads. We used the computer program *Seismic Design Maps*, provided by the Structural Engineers Association (SEA) to

calculate the seismic design parameters. The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.2.2 of the 2019 CBC and Table 20.3-1 of ASCE 7-16. The values presented herein are for the risk-targeted maximum considered earthquake (MCE_R).

TABLE 8.6.1
2019 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2019 CBC Reference
Site Class	D	Section 1613.3.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	2.135g	Figure 1613.3.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.74g	Figure 1613.3.1(2)
Site Coefficient, F_A	1.0	Table 1613.3.3(1)
Site Coefficient, F_V	1.7	Table 1613.3.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	2.135g	Section 1613.3.3 (Eqn 16-37)
Site Class Modified MCE_R Spectral Response Acceleration (1 sec), S_{M1}	1.257g	Section 1613.3.3 (Eqn 16-38)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	1.423g	Section 1613.3.4 (Eqn 16-39)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.838g	Section 1613.3.4 (Eqn 16-40)

8.6.2 Table 8.6.2 presents additional seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-16 for the mapped maximum considered geometric mean (MCE_G).

TABLE 8.6.2
ASCE 7-16 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-16 Reference
Site Class	D	Section 1613.2.2 (2019 CBC)
Mapped MCE_G Peak Ground Acceleration, PGA	0.865g	Figure 22-7
Site Coefficient, F_{PGA}	1.1	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.951g	Section 11.8.3 (Eqn 11.8-1)

8.6.3 Conformance to the criteria in Tables 8.6.1 and 8.6.2 for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a large earthquake occurs. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

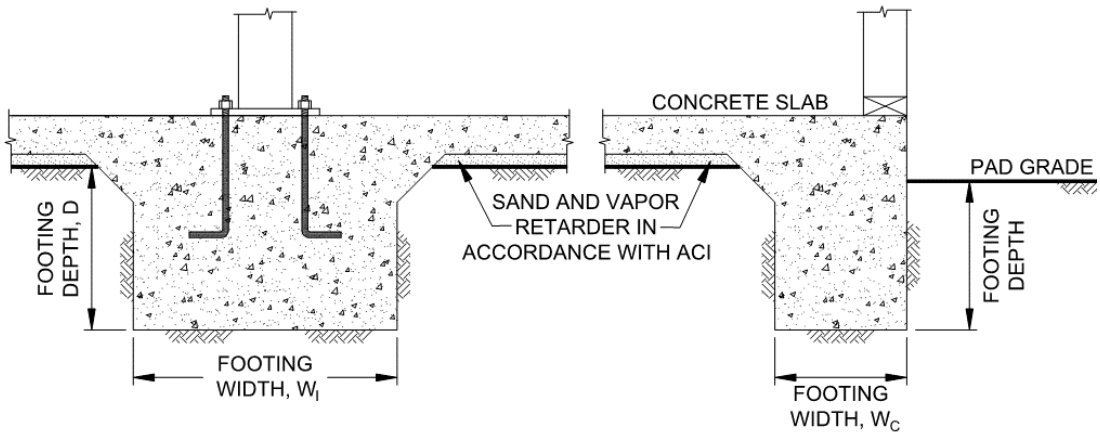
8.7 Shallow Foundations

8.7.1 The proposed structures can be supported on a shallow foundation system founded in compacted fill materials. Foundations for the structure should consist of continuous strip footings and/or isolated spread footings. Footings should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope. Table 8.7.1 provides a summary of the foundation design recommendations.

TABLE 8.7.1
SUMMARY OF FOUNDATION RECOMMENDATIONS

Parameter	Value
Minimum Continuous Foundation Width, W_C	12 inches
Minimum Isolated Foundation Width, W_I	24 inches
Minimum Foundation Depth, D	24 Inches Below Lowest Adjacent Grade
Minimum Steel Reinforcement	4 No. 5 Bars, 2 at the Top and 2 at the Bottom
Maximum Allowable Bearing Capacity	2,500 psf
Estimated Total Settlement From Foundation Loads	1 Inch
Estimated Differential Settlement From Foundation Loads	½ Inch in 40 Feet
Footing Size Used for Settlement	8-Foot Square
Design Expansion Index	50 or less

8.7.2 The foundations should be embedded in accordance with the recommendations herein and the Wall/Column Footing Dimension Detail. The embedment depths should be measured from the lowest adjacent pad grade for both interior and exterior footings. Footings should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope (unless designed with a post-tensioned foundation system as discussed herein).



Wall/Column Footing Dimension Detail

8.7.3 The bearing capacity values presented herein are for dead plus live loads and may be increased by one-third when considering transient loads due to wind or seismic forces.

8.7.4 We should observe the foundation excavations prior to the placement of reinforcing steel and concrete to check that the exposed soil conditions are similar to those expected and that they have been extended to the appropriate bearing strata. Foundation modifications may be required if unexpected soil conditions are encountered.

8.7.5 Geocon Incorporated should be consulted to provide additional design parameters as required by the structural engineer.

8.8 Concrete Slabs-On-Grade

8.8.1 Concrete slabs-on-grade for the structures should be constructed in accordance with Table 8.8.1.

TABLE 8.8.1
MINIMUM CONCRETE SLAB-ON-GRADE RECOMMENDATIONS

Parameter	Value
Minimum Concrete Slab Thickness	4 inches
Minimum Steel Reinforcement	No. 3 Bars 18 Inches on Center, Both Directions
Typical Slab Underlayment	3 to 4 Inches of Sand/Gravel/Base
Design Expansion Index	50 or less

8.8.2 Slabs that may receive moisture-sensitive floor coverings or may be used to store moisture-sensitive materials should be underlain by a vapor retarder. The vapor retarder design should be consistent with the guidelines presented in the American Concrete Institute's (ACI) *Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials* (ACI 302.2R-06). In addition, the membrane should be installed in accordance with manufacturer's recommendations and ASTM requirements and installed in a manner that prevents puncture. The vapor retarder used should be specified by the project architect or developer based on the type of floor covering that will be installed and if the structure will possess a humidity controlled environment.

8.8.3 The bedding sand thickness should be determined by the project foundation engineer, architect, and/or developer. It is common to have 3 to 4 inches of sand in the southern California region. However, we should be contacted to provide recommendations if the bedding sand is thicker than 6 inches. The foundation design engineer should provide appropriate concrete mix design criteria and curing measures to assure proper curing of the slab by reducing the potential for rapid moisture loss and subsequent cracking and/or slab curl. We suggest that the foundation design engineer present the concrete mix design and proper curing methods on the foundation plans. It is critical that the foundation contractor understands and follows the recommendations presented on the foundation plans.

8.8.4 Concrete slabs should be provided with adequate crack-control joints, construction joints and/or expansion joints to reduce unsightly shrinkage cracking. The design of joints should consider criteria of the American Concrete Institute (ACI) when establishing crack-control spacing. Crack-control joints should be spaced at intervals no greater than 12 feet. Additional steel reinforcing, concrete admixtures and/or closer crack control joint spacing should be considered where concrete-exposed finished floors are planned.

8.8.5 Special subgrade presaturation is not deemed necessary prior to placing concrete; however, the exposed foundation and slab subgrade soil should be moisturized to maintain a moist condition as would be expected in any such concrete placement.

8.8.6 The concrete slab-on-grade recommendations are based on soil support characteristics only. The project structural engineer should evaluate the structural requirements of the concrete slabs for supporting expected loads.

8.8.7 The recommendations of this report are intended to reduce the potential for cracking of slabs due to expansive soil (if present), differential settlement of existing soil or soil with varying thicknesses. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade placed on such conditions may still exhibit some cracking due to soil movement and/or shrinkage. The occurrence of concrete shrinkage

cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

8.9 Exterior Concrete Flatwork

8.9.1 Exterior concrete flatwork not subject to vehicular traffic should be constructed in accordance with the recommendations presented in Table 8.9.1. The recommended steel reinforcement would help reduce the potential for cracking.

TABLE 8.9.1
MINIMUM CONCRETE FLATWORK RECOMMENDATIONS

Expansion Index, EI	Minimum Steel Reinforcement* Options	Minimum Thickness
EI $\leq$ 90	6x6-W2.9/W2.9 (6x6-6/6) welded wire mesh	4 Inches
	No. 3 Bars 18 inches on center, Both Directions	

*In excess of 8 feet square.

8.9.2 The subgrade soil should be properly moisturized and compacted prior to the placement of steel and concrete. The subgrade soil should be compacted to a dry density of at least 90 percent of the laboratory maximum dry density near to slightly above optimum moisture content in accordance with ASTM D 1557.

8.9.3 Even with the incorporation of the recommendations of this report, the exterior concrete flatwork has a potential to experience some uplift due to expansive soil beneath grade. The steel reinforcement should overlap continuously in flatwork to reduce the potential for vertical offsets within flatwork. Additionally, flatwork should be structurally connected to the curbs, where possible, to reduce the potential for offsets between the curbs and the flatwork.

8.9.4 Concrete flatwork should be provided with crack control joints to reduce and/or control shrinkage cracking. Crack control spacing should be determined by the project structural engineer based upon the slab thickness and intended usage. Criteria of the American Concrete Institute (ACI) should be taken into consideration when establishing crack control spacing. Subgrade soil for exterior slabs not subjected to vehicle loads should be compacted in accordance with criteria presented in the grading section prior to concrete placement. Subgrade soil should be properly compacted and the moisture content of subgrade soil should be verified prior to placing concrete. Base materials will not be required below concrete improvements.

8.9.5 Where exterior flatwork abuts the structure at entrant or exit points, the exterior slab should be dowelled into the structure's foundation stemwall. This recommendation is intended to reduce the potential for differential elevations that could result from differential settlement or minor heave of the flatwork. Dowelling details should be designed by the project structural engineer.

8.9.6 The recommendations presented herein are intended to reduce the potential for cracking of exterior slabs as a result of differential movement. However, even with the incorporation of the recommendations presented herein, slabs-on-grade will still crack. The occurrence of concrete shrinkage cracks is independent of the soil supporting characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, the use of crack control joints and proper concrete placement and curing. Crack control joints should be spaced at intervals no greater than 12 feet. Literature provided by the Portland Concrete Association (PCA) and American Concrete Institute (ACI) present recommendations for proper concrete mix, construction, and curing practices, and should be incorporated into project construction.

8.10 Retaining Walls

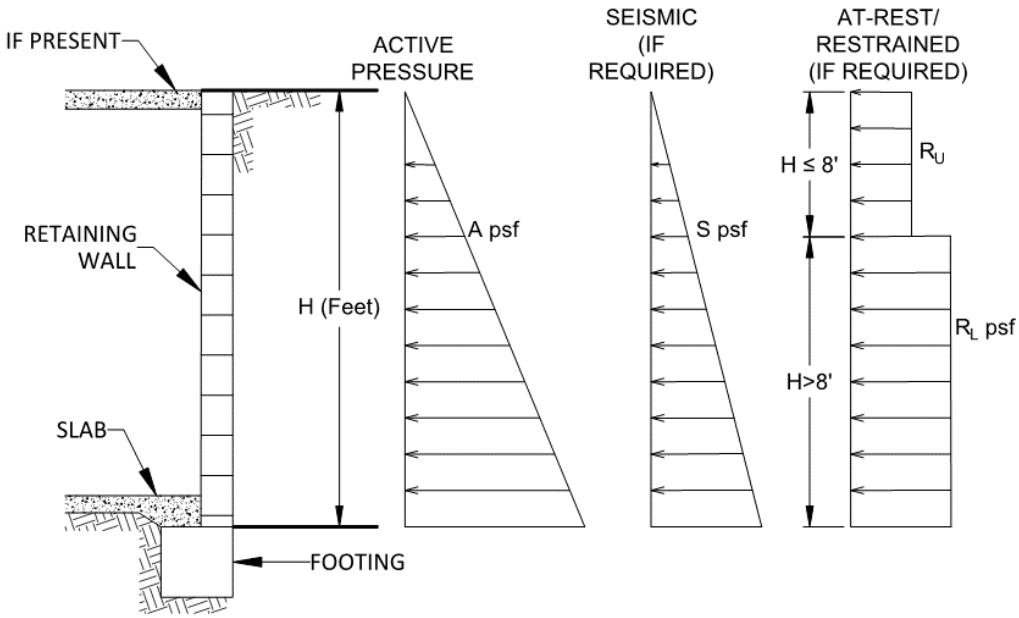
8.10.1 Retaining walls should be designed using the values presented in Table 8.10.1. Soil with an expansion index (EI) of greater than 50 should not be used as backfill material behind retaining walls.

TABLE 8.10.1
RETAINING WALL DESIGN RECOMMENDATIONS

Parameter	Value
Active Soil Pressure, A (Fluid Density, Level Backfill)	35 pcf
Active Soil Pressure, A (Fluid Density, 2:1 Sloping Backfill)	50 pcf
Seismic Pressure, S	15H psf
At-Rest/Restrained Walls Additional Uniform Pressure (0 to 8 Feet High)	7H psf
At-Rest/Restrained Walls Additional Uniform Pressure (8+ Feet High)	13H psf
Expected Expansion Index for the Subject Property	EI$\leq$50

H equals the height of the retaining portion of the wall

8.10.2 The project retaining walls should be designed as shown in the Retaining Wall Loading Diagram.



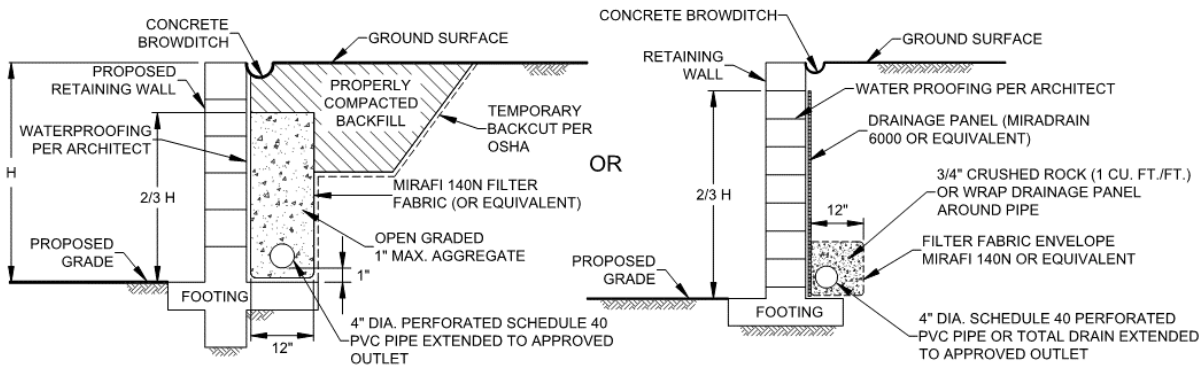
Retaining Wall Loading Diagram

8.10.3 Unrestrained walls are those that are allowed to rotate more than 0.001H (where H equals the height of the retaining portion of the wall) at the top of the wall. Where walls are restrained from movement at the top (at-rest condition), an additional uniform pressure should be applied to the wall. For retaining walls subject to vehicular loads within a horizontal distance equal to two-thirds the wall height, a surcharge equivalent to 2 feet of fill soil should be added.

8.10.4 The structural engineer should determine the Seismic Design Category for the project in accordance with Section 1613.3.5 of the 2019 CBC or Section 11.6 of ASCE 7-10. For structures assigned to Seismic Design Category of D, E, or F, retaining walls that support more than 6 feet of backfill should be designed with seismic lateral pressure in accordance with Section 1803.5.12 of the 2019 CBC. The seismic load is dependent on the retained height where H is the height of the wall, in feet, and the calculated loads result in pounds per square foot (psf) exerted at the base of the wall and zero at the top of the wall.

8.10.5 Retaining walls should be designed to ensure stability against overturning sliding, and excessive foundation pressure. Where a keyway is extended below the wall base with the intent to engage passive pressure and enhance sliding stability, it is not necessary to consider active pressure on the keyway.

8.10.6 Drainage openings through the base of the wall (weep holes) should not be used where the seepage could be a nuisance or otherwise adversely affect the property adjacent to the base of the wall. The recommendations herein assume a properly compacted granular (EI of 90 or less) free-draining backfill material with no hydrostatic forces or imposed surcharge load. The retaining wall should be properly drained as shown in the Typical Retaining Wall Drainage Detail. If conditions different than those described are expected, or if specific drainage details are desired, Geocon Incorporated should be contacted for additional recommendations.



Typical Retaining Wall Drainage Detail

8.10.7 The retaining walls may be designed using either the active and restrained (at-rest) loading condition or the active and seismic loading condition as suggested by the structural engineer. Typically, it appears the design of the restrained condition for retaining wall loading may be adequate for the seismic design of the retaining walls. However, the active earth pressure combined with the seismic design load should be reviewed and also considered in the design of the retaining walls.

8.10.8 In general, wall foundations should be designed in accordance with Table 8.10.8. The proximity of the foundation to the top of a slope steeper than 3:1 could impact the allowable soil bearing pressure. Therefore, retaining wall foundations should be deepened such that the bottom outside edge of the footing is at least 7 feet horizontally from the face of the slope.

TABLE 8.10.8
SUMMARY OF RETAINING WALL FOUNDATION RECOMMENDATIONS

Parameter	Value
Minimum Retaining Wall Foundation Width	12 inches
Minimum Retaining Wall Foundation Depth	12 Inches
Minimum Steel Reinforcement	Per Structural Engineer
Maximum Allowable Bearing Capacity	2,500 psf
Estimated Total Settlement	1 Inch
Estimated Differential Settlement	½ Inch in 40 Feet

8.10.9 The recommendations presented herein are generally applicable to the design of rigid concrete or masonry retaining walls. In the event that other types of walls (such as mechanically stabilized earth [MSE] walls, soil nail walls, or soldier pile walls) are planned, Geocon Incorporated should be consulted for additional recommendations.

8.10.10 It is common to see retaining walls constructed in the areas of the elevator pits. The retaining walls should be properly drained and designed in accordance with the recommendations presented herein. If the elevator pit walls are not drained, the walls should be designed with an increased active pressure with an equivalent fluid density of 90 pcf. It is also common to see seepage and water collection within the elevator pit. The pit should be designed and properly waterproofed to prevent seepage and water migration into the elevator pit.

8.10.11 Unrestrained walls will move laterally when backfilled and loading is applied. The amount of lateral deflection is dependent on the wall height, the type of soil used for backfill, and loads acting on the wall. The retaining walls and improvements above the retaining walls should be designed to incorporate an appropriate amount of lateral deflection as determined by the structural engineer.

8.10.12 Soil contemplated for use as retaining wall backfill, including import materials, should be identified in the field prior to backfill. At that time, Geocon Incorporated should obtain samples for laboratory testing to evaluate its suitability. Modified lateral earth pressures may be necessary if the backfill soil does not meet the required expansion index or shear strength. City or regional standard wall designs, if used, are based on a specific active lateral earth pressure and/or soil friction angle. In this regard, on-site soil to be used as backfill may or may not meet the values for standard wall designs. Geocon Incorporated should be consulted to assess the suitability of the on-site soil for use as wall backfill if standard wall designs will be used.

8.11 Lateral Loading

8.11.1 Table 8.11.1 should be used to help design the proposed structures and improvements to resist lateral loads for the design of footings or shear keys. The allowable passive pressure assumes a horizontal surface extending at least 5 feet, or three times the surface generating the passive pressure, whichever is greater. The upper 12 inches of material in areas not protected by floor slabs or pavement should not be included in design for passive resistance.

TABLE 8.11.1
SUMMARY OF LATERAL LOAD DESIGN RECOMMENDATIONS

Parameter	Value
Passive Pressure Fluid Density	350 pcf
Coefficient of Friction (Concrete and Soil)	0.35
Coefficient of Friction (Along Vapor Barrier)	0.2 to 0.25*

*Per manufacturer's recommendations.

8.11.2 The passive and frictional resistant loads can be combined for design purposes. The lateral passive pressures may be increased by one-third when considering transient loads due to wind or seismic forces.

8.12 Preliminary Pavement Recommendations

8.12.1 We calculated the flexible pavement sections in general conformance with the *Caltrans Method of Flexible Pavement Design* (Highway Design Manual, Section 608.4) using an estimated Traffic Index (TI) of 5.0, 5.5, 6.0, and 7.0 for parking stalls, driveways, medium truck traffic areas, and heavy truck traffic areas, respectively. The project civil engineer and owner should review the pavement designations to determine appropriate locations for pavement thickness. The final pavement sections for the parking lot should be based on the R-Value of the subgrade soil encountered at final subgrade elevation. We have assumed an R-Value of 20 and 78 for the subgrade soil and base materials, respectively, for the purposes of this preliminary analysis. Table 8.12.1 presents the preliminary flexible pavement sections.

TABLE 8.12.1
PRELIMINARY FLEXIBLE PAVEMENT SECTION

Location	Assumed Traffic Index	Assumed Subgrade R-Value	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Parking stalls for automobiles and light-duty vehicles	5.0	20	3	7
Driveways for automobiles and light-duty vehicles	5.5	20	3	9
Medium truck traffic areas	6.0	20	3.5	10
Driveways for heavy truck traffic	7.0	20	4	12

8.12.2 Prior to placing base materials, the upper 12 inches of the subgrade soil should be scarified, moisture conditioned as necessary, and recompacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content as determined by ASTM D 1557. Similarly, the base material should be compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Asphalt concrete should be compacted to a density of at least 95 percent of the laboratory Hveem density in accordance with ASTM D 2726.

8.12.3 Base materials should conform to Section 26-1.02B of the *Standard Specifications for The State of California Department of Transportation (Caltrans)* with a ¾-inch maximum size aggregate. Asphalt concrete should conform to Section 203-6 of the *Standard Specifications for Public Works Construction (Greenbook)*.

8.12.4 The base thickness can be reduced if a reinforcement geogrid is used during the installation of the pavement. Geocon should be contact for additional recommendations if alternate design parameters are requested.

8.12.5 A rigid Portland cement concrete (PCC) pavement section should be placed in roadway aprons and cross gutters. We calculated the rigid pavement section in general conformance with the procedure recommended by the American Concrete Institute report ACI 330-21 *Commercial Concrete Parking Lots and Site Paving Design and Construction – Guide.* Table 8.12.5 provides the traffic categories and design parameters used for the calculations for a 20-year design life.

TABLE 8.12.5
TRAFFIC CATEGORIES

Traffic Category	Description	Reliability (%)	Slabs Cracked at End of Design Life (%)
A	Car Parking Areas and Access Lanes	60	15
B	Entrance and Truck Service Lanes	60	15
C	School or City Buses (Excluding Large Articulated Buses)	75	15
D	Heavy Duty Trucks (Gross Weight of 80 Kips)	75	15
E	Garbage or Fire Truck Lane	75	15

8.12.6 We used the parameters presented in Table 8.12.6 to calculate the pavement design sections. We should be contacted to provide updated design sections, if necessary.

TABLE 8.12.6
RIGID PAVEMENT DESIGN PARAMETERS

Design Parameter	Design Value
Modulus of subgrade reaction, k	50 pci
Modulus of rupture for concrete, M_R	500 psi
Concrete Compressive Strength	3,000 psi
Concrete Modulus of Elasticity, E	3,150,000

8.12.7 Based on the criteria presented herein, the PCC pavement sections should have a minimum thickness as presented in Table 8.12.7.

TABLE 8.12.7
RIGID VEHICULAR PAVEMENT RECOMMENDATIONS

Traffic Category	Trucks Per Day	Portland Cement Concrete, T (Inches)
A = Car Parking Areas and Access Lanes	10	6
B = Entrance and Truck Service Lanes	10	6½
	50	7
	100	7
C = School or City Buses	50	10
	100	10½
D = Heavy Duty Trucks	50	7½
	100	8½
E = Garbage or Fire Truck Lanes	5	7½
	10	7½

8.12.8 The PCC vehicular pavement should be placed over subgrade soil that is compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content.

8.12.9 Adequate joint spacing should be incorporated into the design and construction of the rigid pavement in accordance with Table 8.12.9.

TABLE 8.12.9
MAXIMUM JOINT SPACING

Pavement Thickness, T (Inches)	Maximum Joint Spacing (Feet)
4<T<5	10
5≤T<6	12.5
6≤T	15

8.12.10 The rigid pavement should also be designed and constructed incorporating the parameters presented in Table 8.12.10.

TABLE 8.12.10
ADDITIONAL RIGID PAVEMENT RECOMMENDATIONS

Subject	Value
Thickened Edge	1.2 Times Slab Thickness Adjacent to Structures
	1.5 Times Slab Thickness Adjacent to Soil
	Minimum Increase of 2 Inches
	4 Feet Wide
Crack Control Joint Depth	Early Entry Sawn = T/6 to T/5, 1.25 Inch Minimum
	Conventional (Tooled or Conventional Sawing) = T/4 to T/3
Crack Control Joint Width	¼-Inch for Sealed Joints and Per Sealer Manufacturer's Recommendations
	$^{1}/_{16}$- to $^{1}/_{4}$-Inch is Common for Unsealed Joints

8.12.11 Reinforcing steel will not be necessary within the concrete for geotechnical purposes with the possible exception of dowels at construction joints as discussed herein.

8.12.12 To control the location and spread of concrete shrinkage cracks, crack-control joints (weakened plane joints) should be included in the design of the concrete pavement slab. Crack-control joints should be sealed with an appropriate sealant to prevent the migration of water through the control joint to the subgrade materials. The depth of the crack-control joints should be in accordance with the referenced ACI guide.

8.12.13 To provide load transfer between adjacent pavement slab sections, a butt-type construction joint should be constructed. The butt-type joint should be thickened by at least 20 percent at the edge and taper back at least 4 feet from the face of the slab.

8.12.14 Concrete curb/gutter should be placed on soil subgrade compacted to a dry density of at least 90 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Cross-gutters that receives vehicular should be placed on subgrade soil compacted to a dry density of at least 95 percent of the laboratory maximum dry density near to slightly above optimum moisture content. Base materials should not be placed below the curb/gutter, or cross-gutters so water is not able to migrate from the adjacent parkways to the pavement sections. Where flatwork is located directly adjacent to the curb/gutter, the concrete flatwork should be structurally connected to the curbs to help reduce the potential for offsets between the curbs and the flatwork.

8.13 Temporary Excavations

8.13.1 The recommendations included herein are provided for temporary excavations. It is the responsibility of the contractor to provide a safe excavation during the construction of the proposed project.

8.13.2 Excavations of up to 10 feet in vertical height are expected during grading operations and utility installation. The contractor's competent person should evaluate the necessity for lay back of vertical cut areas. Vertical excavations up to 5 feet may be attempted where loose soils or caving sands are not present, and where not surcharged by existing structures or vehicle/construction equipment loads.

8.13.3 Vertical excavations greater than 5 feet will require sloping measures in order to provide a stable excavation. Where sufficient space is available, temporary unsurcharged embankments should be designed by the contractor's competent person in accordance with OSHA regulations.

8.13.4 Where sufficient space is available, temporary unsurcharged embankments in soil may be sloped back at a uniform 1.5:1 (h:v) slope gradient or flatter. Excavations in bedrock may be steepened per Cal OSHA requirements. Note, a uniform slope does not have a vertical portion.

8.13.5 Where there is insufficient space for sloped excavations, shoring or trench shields should be used to support excavations. Shoring may also be necessary where sloped excavation could remove vertical or lateral support of existing improvements, including existing utilities and adjacent structures. Recommendations for temporary shoring can be provided in an addendum if needed.

8.13.6 Where sloped embankments are utilized, the top of the slope should be barricaded to prevent vehicles and storage loads at the top of the slope within a horizontal distance equal to the height of the slope. If the temporary construction embankments are to be maintained during the rainy season, berms are suggested along the tops of the slopes where necessary to prevent runoff water from entering the excavation and eroding the slope faces. The contractor's personnel should inspect the soil exposed in the cut slopes during excavation in accordance with OSHA regulations so that modifications of the slopes can be made if variations in the soil conditions occur. Excavations should be stabilized within 30 days of initial excavation.

8.14 Site Drainage and Moisture Protection

8.14.1 Adequate site drainage is critical to reduce the potential for differential soil movement, erosion and subsurface seepage. Under no circumstances should water be allowed to pond adjacent to footings. The site should be graded and maintained such that surface drainage is directed away from structures in accordance with 2019 CBC 1804.4 or other applicable standards. In addition, surface drainage should be directed away from the top of slopes into swales or other controlled drainage devices. Roof and pavement drainage should be directed into conduits that carry runoff away from the proposed structure.

8.14.2 Underground utilities should be leak free. Utility and irrigation lines should be checked periodically for leaks, and detected leaks should be repaired promptly. Detrimental soil movement could occur if water can infiltrate the soil for prolonged periods of time.

8.14.3 Storm water mitigation systems should be offset a minimum of 20 feet from the outside edge of structural footings, so as to reduce the occurrence of water migrating within the structures' load projection.

8.14.4 Landscaping planters adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. We recommend that area drains to collect excess irrigation water and transmit it to drainage structures or impervious above-grade planter boxes be used. In addition, where landscaping is planned adjacent to the pavement, we recommend construction of a cutoff wall or the use of an impermeable geosynthetic along the edge of the pavement that extends at least 6 inches below the bottom of the base material.

8.14.5 If not properly constructed, there is a potential for distress to improvements and properties located hydrologically down gradient or adjacent to infiltration areas. Factors such as the amount of water to be detained, its residence time, and soil permeability have an important effect on seepage transmission and the potential adverse impacts that may occur if the storm water management features are not properly designed and constructed. We have not performed a hydrogeology study at the site. Downgradient and adjacent structures may be subjected to seeps, movement of foundations and slabs, or other impacts as a result of water infiltration.

8.15 Grading and Foundation Plan Review

8.15.1 Geocon should review the project grading and foundation plans prior to final design submittal to verify that the plans have been prepared in substantial conformance with the recommendations of this report and to provide additional analyses or recommendations, if necessary.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in this investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that expected herein, Geocon West, Inc. should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous materials was not part of the scope of services provided by Geocon West, Inc.

This report is issued with the understanding that it is the responsibility of the owner, or of their representative, to ensure that the information and recommendations contained herein are brought to the attention of the architect and engineer for the project and incorporated into the plans, and the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

The requirements for concrete and steel reinforcement presented in this report are preliminary recommendations from a geotechnical perspective. The Structural Engineer should provide the final recommendations for structural design of concrete and steel reinforcement for foundation systems, floor slabs, exterior concrete, or other systems where concrete and steel reinforcement are utilized, in accordance with the latest version of applicable codes.

The findings of this report are valid as of the present date. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.

The firm that performed the geotechnical investigation for the project should be retained to provide testing and observation services during construction to provide continuity of geotechnical interpretation and to check that the recommendations presented for geotechnical aspects of site development are incorporated during site grading, construction of improvements, and excavation of foundations. If another geotechnical firm is selected to perform the testing and observation services during construction operations, that firm should prepare a letter indicating their intent to assume the responsibilities of project Geotechnical Engineer of Record. A copy of the letter should be provided to the regulatory agency for their records. In addition, that firm should provide revised recommendations concerning the geotechnical aspects of the proposed development, or a written acknowledgement of their concurrence with the recommendations presented in our report. They should also perform additional analyses deemed necessary to assume the role of Geotechnical Engineer of Record.

LIST OF REFERENCES

1. American Concrete Institute, 2011, *Building Code Requirements for Structural Concrete*, Report by ACI Committee 318.

2. American Concrete Institute, 2008, *Guide for Design and Construction of Concrete Parking Lots*, Report by ACI Committee 330.

3. ASCE 7-16, 2019, *Minimum Design Loads for Buildings and Other Structures*.

4. California Building Standards Commission, 2019, *California Building Code (CBC)*, California Code of Regulations Title 24, Part 2.

5. California Department of Transportation (Caltrans), 2018, Division of Engineering Services, Materials Engineering and Testing Services, *Corrosion Guidelines, Version 3.0*, dated March.

6. California Department of Water Resources, *Water Data Library* website, https://wdl.water.ca.gov/ ; accessed May 2021.

7. California Geological Survey (CGS), 2003, *Earthquake Shaking Potential for California*, from USGS/CGS Seismic Hazards Model, CSSC No. 03-02

8. California Geologic Survey, 2008, Special Publication 117A, *Guidelines for Evaluating and Mitigating Seismic Hazards in California*, Revised and Re-adopted September 11.

9. Dibblee, Thomas, Jr. and Minch, J.A., 2004, *Geologic Map of the Yucaipa Quadrangle, San Bernardino County, California*, DF-124, Scale 1:24,000.

10. Google Earth Pro, 2021, accessed November 2021.

11. Harden, Deborah R., 1998, *California Geology*, Prentice Hall Publishing.

12. Jennings, C. W., 2010, California Division of Mines and Geology, *Fault Activity Map of California and Adjacent Areas*, California Geologic Data Map Series Map No. 6.

13. Legg, M. R., J. C. Borrero, and C. E. Synolakis, *Evaluation of Tsunami Risk to Southern California Coastal Cities*, 2002 NEHRP Professional Fellowship Report, dated January 2003.

14. Matti, Jonathan C., et al., 2003, *Geologic Map of the Yucaipa 7.5' Quadrangle, San Bernardino and Riverside Counties, California*, Scale 1:24,000.

15. OSPD, 2018, *Seismic Design Maps*, *https://seismicmaps.org* Accessed November 2021.

16. Public Works Standards, Inc., 2018, *Standard Specifications for Public Works Construction "Greenbook,"* Published by BNi Building News.

17. San Bernardino County, 2013, *Technical Guidance Document for Water Quality Management Plans*, dated June 7.

0' 1000' 2000'

SCALE: 1" = 1000'

N

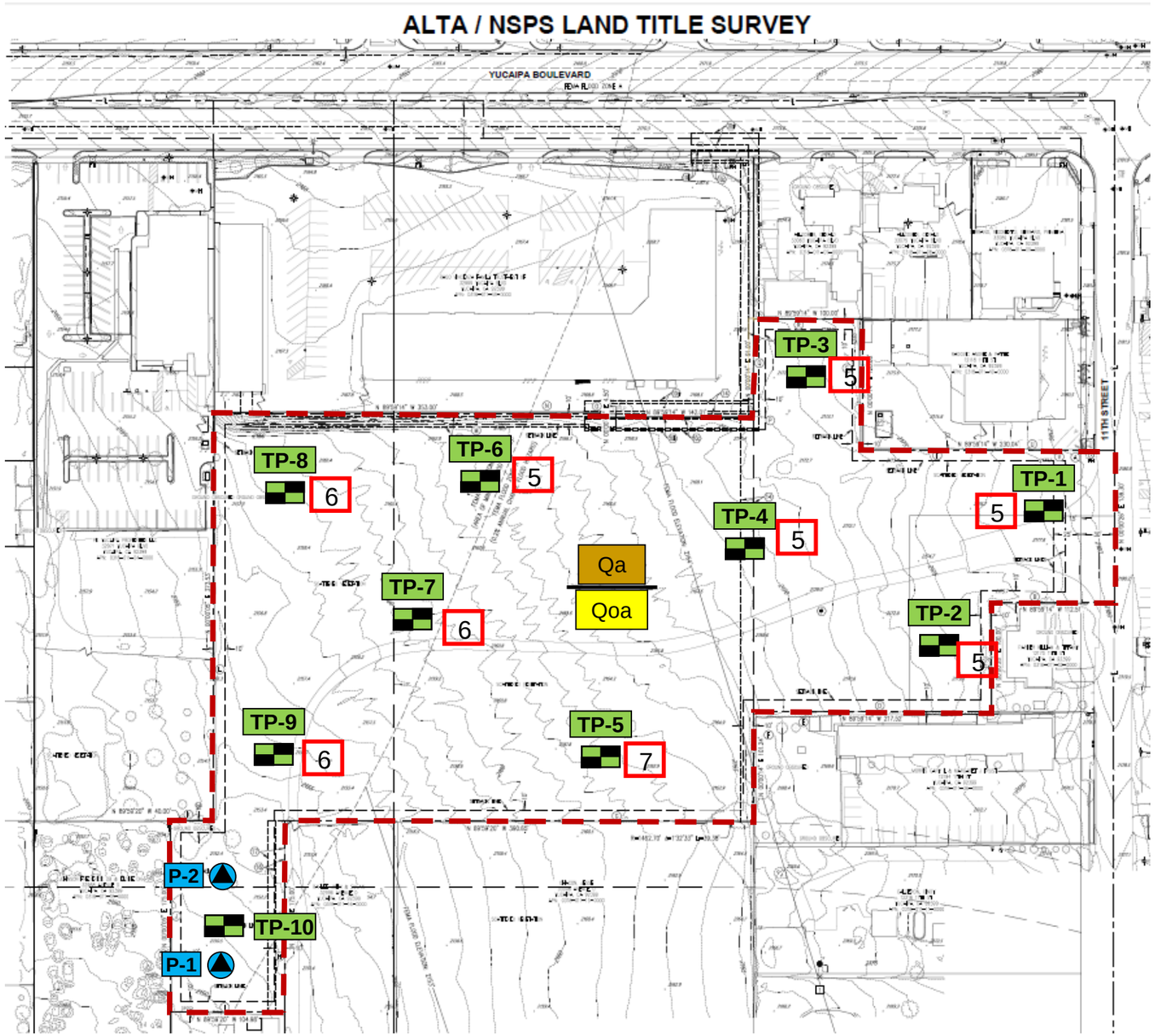
SOURCE: Google Earth, 2021

VICINITY MAP

GEOCON
WEST, INC.
GEOTECHNICAL, ENVIRONMENTAL, MATERIALS
41571 CORNING PLACE #101, MURRIETA, CALIFORNIA 92562
PHONE 951-304-2300 FAX 951-304-2392

U STOR IT YUCAIPA
SOUTHWEST OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

LCW			NOVEMBER 2021	PROJECT NO. T2953-22-01	FIG. 1



GEOCON LEGEND

Locations are approximate

TP-10 .....TEST PIT LOCATION

7 .....EXPECTED REMEDIAL REMOVAL DEPTH

P-2 ..... PERCOLATION TEST LOCATION

..... PROJECT LIMITS

Qa ..... ALLUVIUM

Qoa ..... OLDER ALLUVIUM

Source: Omega Land Surveying Inc., *ALTA / NSPS Land Title Survey*, dated September 24, 2021.

GEOCON WEST, INC.
GEOTECHNICAL, ENVIRONMENTAL, MATERIALS
41571 CORNING PLACE #101, MURRIETA, CALIFORNIA 92562
PHONE 951-304-2300 FAX 951-304-2392

GEOLOGIC MAP

U STOR IT YUCAIPA
SOUTHWEST OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

LCW			NOVEMBER 2021	PROJECT NO. T2953-22-01	FIG. 2

APPENDIX A

APPENDIX A

FIELD INVESTIGATION

Ten exploratory test pits and two percolation test pits/holes were excavated on October 13, 2021, and percolation testing was conducted on October 14, 2021. The test pits and percolation test pits/holes were excavated with a backhoe. Test pits TP-1 through TP-10 were excavated to depths between 7 and 14 feet. Percolation test pit/holes P-1 and P-2 were excavated to a depth of 3 to 5 feet, respectively. Bulk samples were obtained. The soil conditions encountered in the excavations were visually examined, classified, and logged in general accordance with the Unified Soil Classification System (USCS). In situ moisture and density was measured with a nuclear density gage per ASTM D6938. Logs of the geotechnical test pits are presented on Figures A-1 through A-12. The logs depict the soil and geologic conditions encountered and the depth at which samples were obtained. The approximate locations of the test pits are shown on the *Geologic Map* (see Figure 2).

Percolation testing was performed in accordance with *San Bernardino County Document for Water Quality Management Plans* which references procedures in *Riverside County Flood Control and Water Conservation District LID BMP, Appendix A* for infiltration basins. The percolation tests were run in general accordance with *Section 2.3, Shallow Percolation Test*. Percolation test result data are presented on Figures A-13 and A-14.

PROJECT NO. T2953-22-01

TEST PIT TP-1

ELEV. (MSL.) **2182** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose to medium dense, dry to slightly moist, dark brown; fine to medium sand; some coarse sand; roots at surface - Becomes fine to coarse sand			
2	TP-1@2-4			SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, dry, dark yellowish brown; fine to medium sand; some oxidized coarse sand		97.9	3.0
4								
					- Becomes very silty; clay films; trace porosity; trace mica		92.5	6.6
6								
8								
					Total Depth = 9.5' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-1,
Log of Test Pit TP-1, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-2

ELEV. (MSL.) **2176** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; roots at surface; porous			
2				SM/G	Silty SAND with gravel, loose to medium dense, dry, dark brown; fine to coarse sand; crudely laminated		106.6	3.2
4								
6				SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, dry, dark yellowish brown; fine to medium sand; some oxidized coarse sand; micaceous		97.5	4.1
8								
10					Total Depth = 10' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-2,
Log of Test Pit TP-2, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-3

ELEV. (MSL.) **2176** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; roots at surface; porous			
2	TP-3@2-3'			SM/G	Silty SAND with gravel, loose to medium dense, dry, dark brown; fine to coarse sand; laminated in multiple fining upward sequences		95.7	3.1
4								
6				SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, moist, dark reddish brown; fine to coarse sand; some mica; little clay films; little oxidized grains		100.8	12.1
8								
10								
					Total Depth = 10.5' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-3,
Log of Test Pit TP-3, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-4

ELEV. (MSL.) **2170** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; porous			
2				SM/G	Silty SAND with gravel, loose to medium dense, dry, dark brown; fine to coarse sand; laminated in multiple fining upward sequences; contains basal gravel layers			
4							94.0	5.8
							95.3	10.9
6	TP-4@6-7			SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, moist, dark reddish brown; fine to coarse sand; some clay films; some oxidized grains; trace gravel			
8								
10								
					Total Depth = 10.5' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-4,
Log of Test Pit TP-4, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-5

ELEV. (MSL.) **2165** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; trace roots at surface; porous			
2				SM/G	Silty SAND with gravel, loose to medium dense, dry, dark brown; fine to coarse sand; friable - Basal gravel layer; crudely laminated to bedded		101.7	3.3
4								
6					- Gravel channel scour		96.3	2.1
8				SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, slightly moist, dark reddish brown; fine to coarse sand; few gravel; micaceous			
10								
					Total Depth = 10.5' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-5,
Log of Test Pit TP-5, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

☐ ... SAMPLING UNSUCCESSFUL ◧ ... STANDARD PENETRATION TEST ■ ... DRIVE SAMPLE (UNDISTURBED)

⊠ ... DISTURBED OR BAG SAMPLE ◪ ... CHUNK SAMPLE ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-6

ELEV. (MSL.) **2164** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; porous			
2				SM/G	Silty SAND with gravel, loose to medium dense, dry, dark brown; fine to coarse sand; laminated in multiple fining upward sequences; contains basal gravel layers		91.1	7.6
4								
6	TP-6@6-7			SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, moist, dark reddish brown; fine to coarse sand; some clay seams; few porosity with rootlets; little biotite; slightly oxidized		93.3	13.3
8								
10					Total Depth = 10' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-6,
Log of Test Pit TP-6, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-7

ELEV. (MSL.) **2163** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; porous; some roots at surface			
2				SM/G	Silty SAND with gravel, loose to medium dense, dry, dark brown; fine to coarse sand; friable; very slightly oxidized; laminated in multiple fining upward sequences		101.4	3.5
4								
6							101.7	3.8
				SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, moist, dark reddish brown; fine to coarse sand; few clay films; porous			
8					- Very thinly laminated with some clay films; trace porosity; slightly oxidized			
10					Total Depth = 10' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-7,
Log of Test Pit TP-7, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-8

ELEV. (MSL.) **2162** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to coarse sand; some roots at surface; few gravel - Becomes reddish brown; oxidized; few clay films; few oxidized coarse sand			
2	TP-8@1-3'							
4				SM/G	Silty SAND with gravel, loose, dry, dark brown; fine to coarse sand; friable; laminated to bedded in multiple fining upward sequences		99.0	3.8
6	TP-8@6-7'						101.6	4.0
				SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, slightly moist, dark brown; fine to medium sand; some coarse sand; little gravel			

Total Depth = 7'
Groundwater not encountered
Backfilled with cuttings 10/13/2021

Figure A-8,
Log of Test Pit TP-8, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

- ... SAMPLING UNSUCCESSFUL
- ... STANDARD PENETRATION TEST
- ... DRIVE SAMPLE (UNDISTURBED)
- ... DISTURBED OR BAG SAMPLE
- ... CHUNK SAMPLE
- ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-9

ELEV. (MSL.) **2158** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; roots at surface; very silty - Porous			
2				SM/G	Silty SAND with gravel, medium dense, dry, dark brown; fine to coarse sand - Bedded; fining upward		101.8	4.0
4							105.0	4.6
6	TP-9@6-7			SM	- Laminated - Gravel basal layer			
					OLDER ALLUVIUM (Qoa) Silty SAND, medium dense, slightly moist, dark brown; fine to medium sand; some coarse sand; few gravel; pourous			

Total Depth = 7.5'
Groundwater not encountered
Backfilled with cuttings 10/13/2021

Figure A-9,
Log of Test Pit TP-9, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL
... STANDARD PENETRATION TEST
... DRIVE SAMPLE (UNDISTURBED)
... DISTURBED OR BAG SAMPLE
... CHUNK SAMPLE
... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

TEST PIT TP-10

ELEV. (MSL.) **2154** DATE COMPLETED **10/13/2021**

EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; roots at surface; very silty - Becomes porous; bedded			
2				SM/G	Silty SAND with gravel, medium dense, dry, dark brown; fine to coarse sand; crudely bedded - Loss of bedding - Two 6" beds of silty sand with gravel 3" apart			
4								
6				SM	**OLDER ALLUVIUM (Qoa)** Silty SAND, medium dense, slightly moist, dark yellowish brown; fine to medium sand; some oxidized coarse sand; micaceous			
8					- Some gravel			
10					- Loss of gravel			
12								
14					Total Depth = 14' Groundwater not encountered Backfilled with cuttings 10/13/2021			

Figure A-10,
Log of Test Pit TP-10, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS

... SAMPLING UNSUCCESSFUL ... STANDARD PENETRATION TEST ... DRIVE SAMPLE (UNDISTURBED)

... DISTURBED OR BAG SAMPLE ... CHUNK SAMPLE ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TEST PIT P-1** ELEV. (MSL.) **2153** DATE COMPLETED **10/13/2021** EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; roots; very silty - Porous			
2	P-1@2-3'				- Some gravel			
					Total Depth = 3' Groundwater not encountered Backfilled with cuttings 10/14/2021			

Figure A-11,
Log of Test Pit P-1, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. T2953-22-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**TEST PIT P-2** ELEV. (MSL.) **2155** DATE COMPLETED **10/13/2021** EQUIPMENT **BACKHOE BUCKET 24"** BY: **Weidman**	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
0				SM	**ALLUVIUM (Qa)** Silty SAND, loose, dry, dark brown; fine to medium sand; roots; very silty - Porous			
2	P-1@2-3'				- Little to some gravel			
4					- Some gravel			
					Total Depth = 5' Groundwater not encountered Backfilled with cuttings 10/14/2021			

Figure A-12,
Log of Test Pit P-2, Page 1 of 1

BORING LOGS.GPJ

SAMPLE SYMBOLS			
	... SAMPLING UNSUCCESSFUL	... STANDARD PENETRATION TEST	... DRIVE SAMPLE (UNDISTURBED)
	... DISTURBED OR BAG SAMPLE	... CHUNK SAMPLE	... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PERCOLATION TEST REPORT							
Project Name:		U-Stor-It Yucaipa			**Project No.:**		T2953-22-01
Test Hole No.:		P-1			**Date Excavated:**		10/13/2021
Length of Test Pipe:			36.0	inches	**Soil Classification:**		SM
Height of Pipe above Ground:			0.0	inches	**Presoak Date:**		10/13/2021
Depth of Test Hole:			36.0	inches	**Perc Test Date:**		10/14/2021
Check for Sandy Soil Criteria Tested by:				ATS	**Percolation Tested by:**		ATS
Water level measured from BOTTOM of hole							
Sandy Soil Criteria Test							
Trial No.	**Time**	**Time Interval (min)**	**Total Elapsed Time (min)**	**Initial Water Level (in)**	**Final Water Level (in)**	**Δ in Water Level (in)**	**Percolation Rate (min/inch)**
1	12:00 AM 8:31 AM	25	25	8.4	0.0	8.4	3.0
2	8:31 AM 8:56 AM	25	50	8.4	0.0	8.4	3.0
			Soil Criteria: Normal				
			Percolation Test				
Reading No.	**Time**	**Time Interval (min)**	**Total Elapsed Time (min)**	**Initial Water Head (in)**	**Final Water Head (in)**	**Δ in Water Level (in)**	**Percolation Rate (min/inch)**
1	9:00 AM 9:00 AM	0.5	0.5	8.4	6.2	2.2	0.2
2	9:01 AM 9:01 AM	0.5	1	8.4	6.5	1.9	0.3
3	9:02 AM 9:02 AM	0.5	1.5	8.4	6.0	2.4	0.2
4	9:03 AM 9:03 AM	0.5	2	8.4	6.2	2.2	0.2
5	9:04 AM 9:04 AM	0.5	2.5	8.4	6.4	2.0	0.2
6	9:05 AM 9:05 AM	0.5	3	8.4	6.4	2.0	0.2
7	9:06 AM 9:06 AM	0.5	3.5	8.4	6.4	2.0	0.2
8	9:07 AM 9:07 AM	0.5	4	8.4	6.4	2.0	0.2
9	9:08 AM 9:08 AM	0.5	4.5	8.4	6.2	2.2	0.2
10	9:09 AM 9:09 AM	0.5	5	8.4	6.2	2.2	0.2
11	9:10 AM 9:10 AM	0.5	5.5	8.4	6.4	2.0	0.2
12	9:11 AM 9:11 AM	0.5	6	8.4	6.4	2.0	0.2
Infiltration Rate (in/hr):			52.2				
Radius of test hole (in):			4				**Figure A-13**
Average Head (in):			7.4				

PERCOLATION TEST REPORT							
Project Name:		U-Stor-It Yucaipa			**Project No.:**		T2953-22-01
Test Hole No.:		P-2			**Date Excavated:**		10/13/2021
Length of Test Pipe:			60.0	inches	**Soil Classification:**		SM
Height of Pipe above Ground:			0.0	inches	**Presoak Date:**		10/13/2021
Depth of Test Hole:			60.0	inches	**Perc Test Date:**		10/14/2021
Check for Sandy Soil Criteria Tested by:				ATS	**Percolation Tested by:**		ATS
Water level measured from BOTTOM of hole							
Sandy Soil Criteria Test							
Trial No.	**Time**	**Time Interval (min)**	**Total Elapsed Time (min)**	**Initial Water Level (in)**	**Final Water Level (in)**	**Δ in Water Level (in)**	**Percolation Rate (min/inch)**
1	12:00 AM 8:53 AM	25	25	8.4	5.4	3.0	8.3
2	8:53 AM 9:18 AM	25	50	8.8	5.8	3.0	8.3
			Soil Criteria: Normal				
			Percolation Test				
Reading No.	**Time**	**Time Interval (min)**	**Total Elapsed Time (min)**	**Initial Water Head (in)**	**Final Water Head (in)**	**Δ in Water Level (in)**	**Percolation Rate (min/inch)**
1	9:24 AM 9:54 AM	30	30	12.2	5.2	7.1	4.2
2	9:54 AM 10:24 AM	30	60	19.3	5.4	13.9	2.2
3	10:24 AM 10:54 AM	30	90	12.6	5.0	7.6	4.0
4	10:54 AM 11:24 AM	30	120	12.6	5.3	7.3	4.1
5	11:24 AM 11:54 AM	30	150	12.6	5.4	7.2	4.2
6	11:54 AM 12:24 PM	30	180	12.6	6.1	6.5	4.6
7	12:24 PM 12:54 PM	30	210	12.6	6.4	6.2	4.8
8	12:54 PM 1:24 PM	30	240	12.6	6.7	5.9	5.1
9	1:24 PM 1:54 PM	30	270	12.6	6.8	5.8	5.2
10	1:54 PM 2:24 PM	30	300	12.6	6.8	5.8	5.2
11	2:24 PM 2:54 PM	30	330	12.6	6.7	5.9	5.1
12	2:54 PM 3:24 PM	30	360	12.6	6.8	5.8	5.2
Infiltration Rate (in/hr):			2.0				
Radius of test hole (in):			4				**Figure A-14**
Average Head (in):			9.7				

APPENDIX B

APPENDIX B

LABORATORY TESTING

We performed laboratory tests in accordance with current, generally accepted test methods of ASTM International (ASTM) or other suggested procedures. We analyzed selected soil samples for *in-situ* density and moisture content, maximum dry density and optimum moisture content, expansion index, corrosivity, grain size distribution, and direct shear strength. The results of the laboratory tests are presented on Figures B-1 through B-7. The in-place dry density and moisture content are presented on the test pit logs in *Appendix A*.

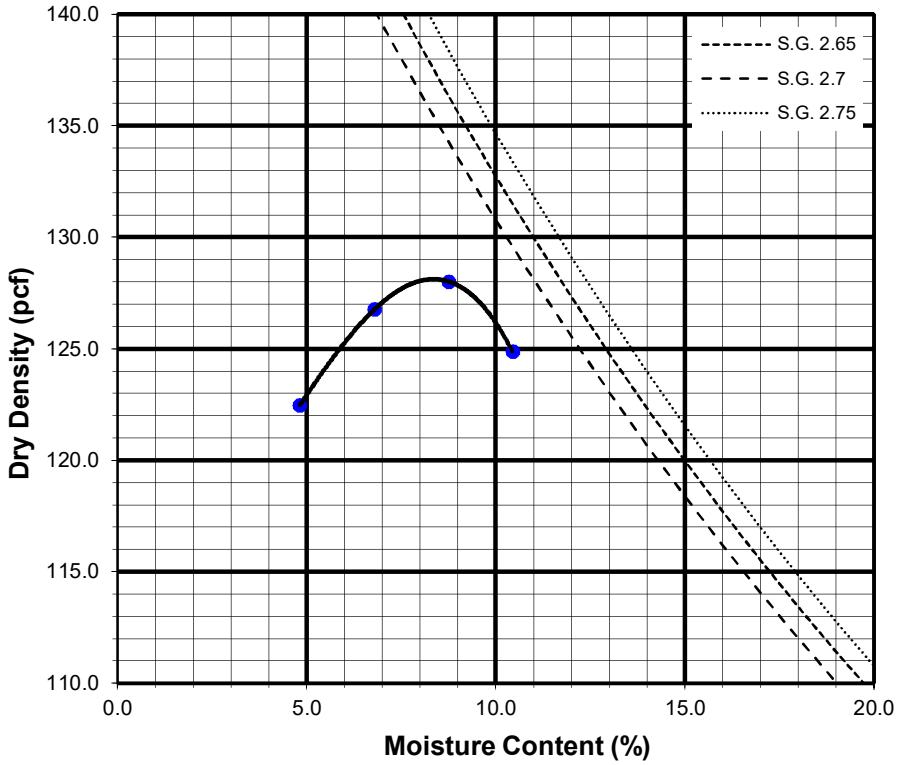
Sample No:

TP3@2-4	Silty SAND (SM), dark brown

TEST NO.		1	2	3	4	5	6
Wt. Compacted Soil + Mold	(g)	6310	6368	6348	6205		
Weight of Mold	(g)	4271	4271	4271	4271		
Net Weight of Soil	(g)	2039	2097	2077	1933		
Wet Weight of Soil + Cont.	(g)	629.9	599.9	664.1	675.3		1264.0
Dry Weight of Soil + Cont.	(g)	605.9	572.3	625.7	656.0		1255.2
Weight of Container	(g)	252.4	257.3	257.9	255.8		258.1
Moisture Content	(%)	6.8	8.8	10.4	4.8		0.9
Wet Density	(pcf)	135.4	139.2	137.9	128.4		
Dry Density	(pcf)	126.8	128.0	124.9	122.5		0.0

Maximum Dry Density (pcf)	**128.5**
Bulk Specific Gravity (dry)	**2.56**
Corrected Maximum Dry Density (pcf)	**133.0**

Optimum Moisture Content (%)	**8.0**
Oversized Fraction (%)	**18.0**
Corrected Moisture Content (%)	**6.5**



Preparation Method: A

GEOCON

COMPACTION CHARACTERISTICS USING MODIFIED EFFORT TEST RESULTS

ASTM D-1557

Checked by:

Project No.: T2953-22-01

U STOR IT YUCAIPA
SW OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

Nov 21

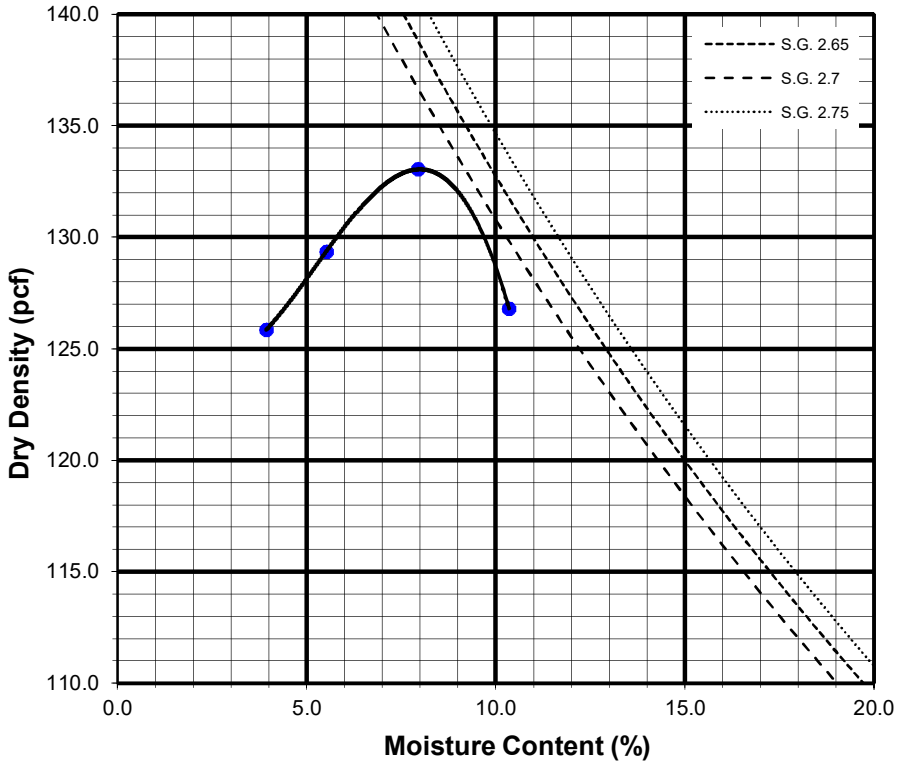
Figure B-1

Sample No:

TP9@6-7	Silty SAND (SM), dark brown

TEST NO.		1	2	3	4	5	6
Wt. Compacted Soil + Mold	(g)	10100	10294	10535	10410		
Weight of Mold	(g)	5650	5650	5650	5650		
Net Weight of Soil	(g)	4450	4644	4886	4761		
Wet Weight of Soil + Cont.	(g)	658.2	902.0	996.6	917.3		643.8
Dry Weight of Soil + Cont.	(g)	643.0	877.5	955.3	871.8		635.5
Weight of Container	(g)	257.0	433.8	435.2	432.1		256.0
Moisture Content	(%)	3.9	5.5	7.9	10.3		2.2
Wet Density	(pcf)	130.8	136.5	143.6	139.9		
Dry Density	(pcf)	125.9	129.4	133.0	126.8		0.0

Maximum Dry Density (pcf)	**133.0**	**Optimum Moisture Content (%)**	**7.5**



Preparation Method: C

GEOCON	**COMPACTION CHARACTERISTICS USING MODIFIED EFFORT TEST RESULTS** ASTM D-1557	Project No.: T2953-22-01 U STOR IT YUCAIPA SW OF YUCAIPA BLVD & 11TH ST YUCAIPA, CALIFORNIA
	Checked by:	Nov 21 Figure B-2

TP-8@1-3

MOLDED SPECIMEN		BEFORE TEST	AFTER TEST
Specimen Diameter	(in.)	4.0	4.0
Specimen Height	(in.)	1.0	1.0
Wt. Comp. Soil + Mold	(gm)	608.0	616.5
Wt. of Mold	(gm)	198.3	198.3
Specific Gravity	(Assumed)	2.7	2.7
Wet Wt. of Soil + Cont.	(gm)	556.8	616.5
Dry Wt. of Soil + Cont.	(gm)	533.3	377.6
Wt. of Container	(gm)	256.8	198.3
Moisture Content	(%)	8.5	10.8
Wet Density	(pcf)	123.6	126.0
Dry Density	(pcf)	113.9	113.8
Void Ratio		0.5	0.5
Total Porosity		0.3	0.3
Pore Volume	(cc)	67.1	65.4
Degree of Saturation	(%) [S_{meas}]	48.2	62.1

Date	Time	Pressure (psi)	Elapsed Time (min)	Dial Readings (in.)
10/23/2021	10:00	1.0	0	0.3145
10/23/2021	10:10	1.0	10	0.3143
Add Distilled Water to the Specimen				
10/24/2021	10:00	1.0	1430	0.3058
10/24/2021	11:00	1.0	1490	0.3058

Expansion Index (EI meas) =	-8.5
Expansion Index (Report) =	**0**

Expansion Index, EI_{50}	CBC CLASSIFICATION *	UBC CLASSIFICATION **
0-20	Non-Expansive	Very Low
21-50	Expansive	Low
51-90	Expansive	Medium
91-130	Expansive	High
>130	Expansive	Very High

* Reference: 2019 California Building Code, Section 1803.5.3
** Reference: 1997 Uniform Building Code, Table 18-I-B.

GEOCON

EXPANSION INDEX TEST RESULTS
ASTM D-4829

Checked by:

Project No.: T2953-22-01
U STOR IT YUCAIPA
SW OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

Nov 21 Figure B-3

SUMMARY OF LABORATORY
POTENTIAL OF HYDROGEN (pH) AND RESISTIVITY TEST RESULTS
AASHTO T289 ASTM D4972 and AASHTO T288 ASTM G187

Sample No.	**pH**	**Resistivity (ohm centimeters)**
TP-8@1-3	8.0	13000

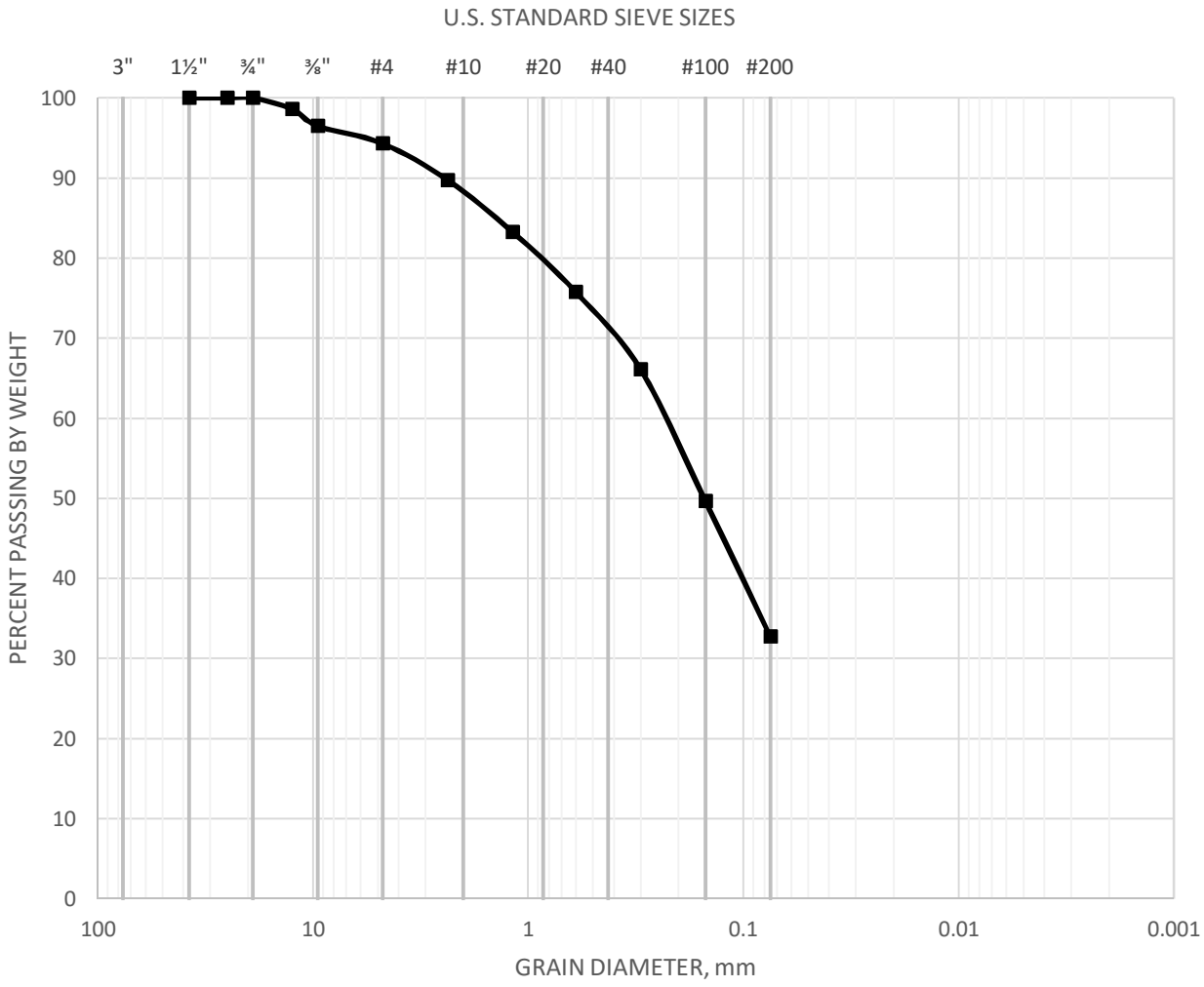
SUMMARY OF LABORATORY CHLORIDE CONTENT TEST RESULTS
AASHTO T291 ASTM C1218

Sample No.	Chloride Ion Content (%)
TP-8@1-3	0.000

SUMMARY OF LABORATORY WATER SOLUBLE SULFATE TEST RESULTS
AASHTO T290 ASTM C1580

Sample No.	**Water Soluble Sulfate (% SO_4)**	**Sulfate Exposure**
TP-8@1-3	0.000	S0

GRAVEL		SAND			SILT AND CLAY
COARSE	FINE	COARSE	MEDIUM	FINE	



SAMPLE	CLASSIFICATION	D60	D30	D10
P1@2	Silty SAND (SM), dark brown	0.22	0	0

GEOCON

GRAIN SIZE DISTRIBUTION

ASTM D-422

Checked by:

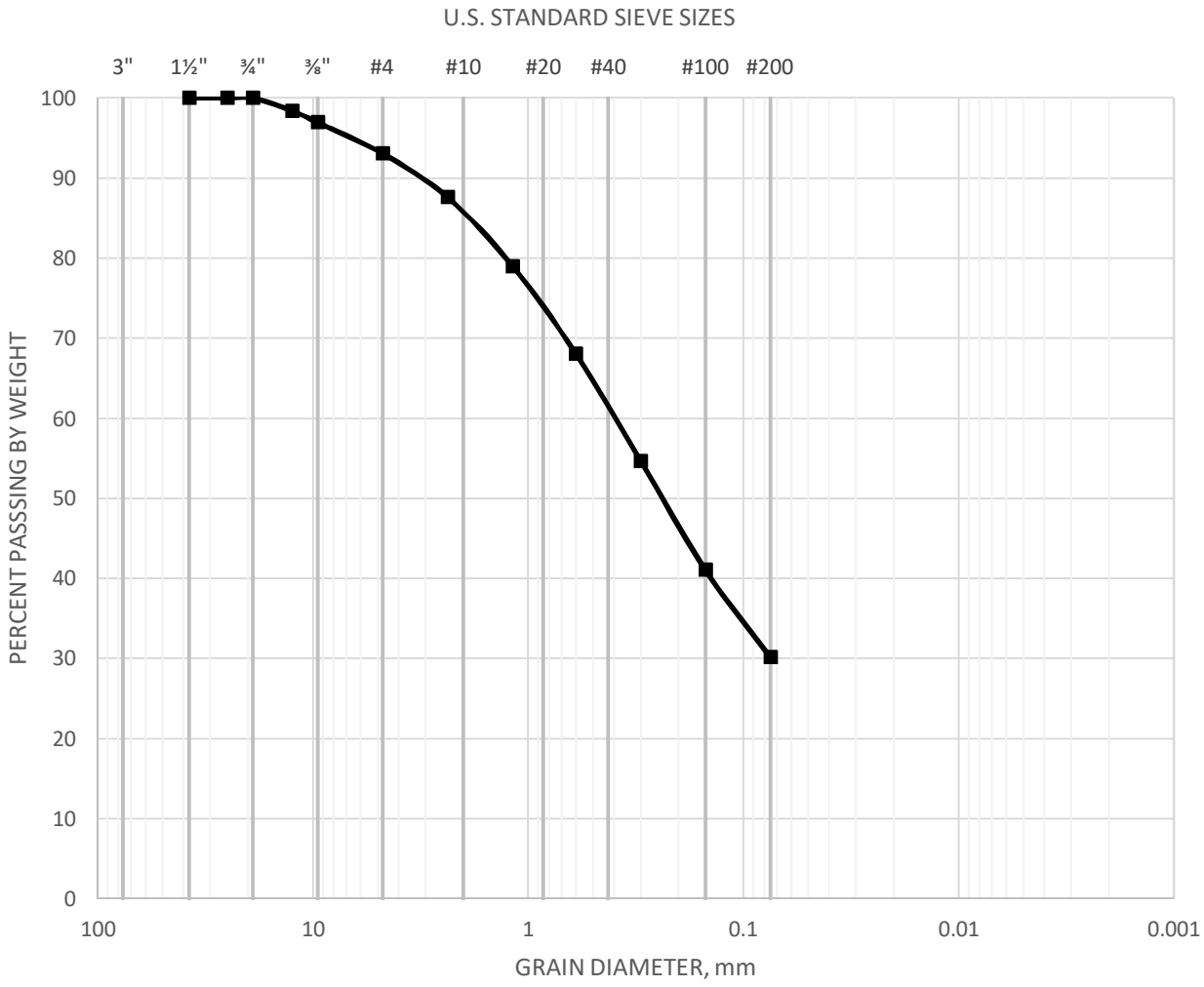
Project No.: T2953-22-01

U STOR IT YUCAIPA
SW OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

Nov 21

Figure B-5

GRAVEL		SAND			SILT AND CLAY
COARSE	FINE	COARSE	MEDIUM	FINE	



SAMPLE	CLASSIFICATION	D60	D30	D10
P-2@4	Silty SAND (SM), dark brown	0.39	0	0

GEOCON

GRAIN SIZE DISTRIBUTION

ASTM D-422

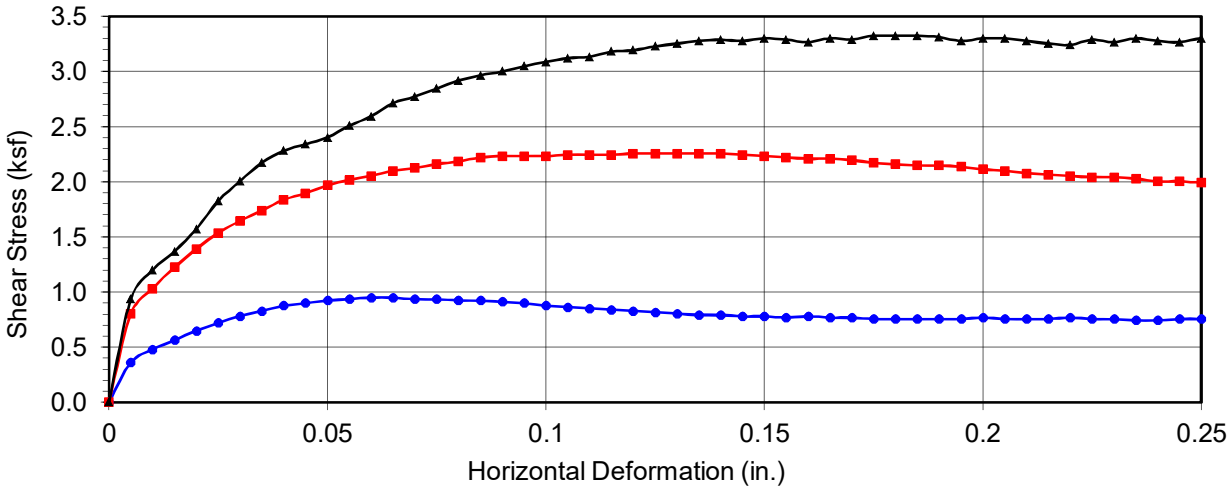
Checked by:

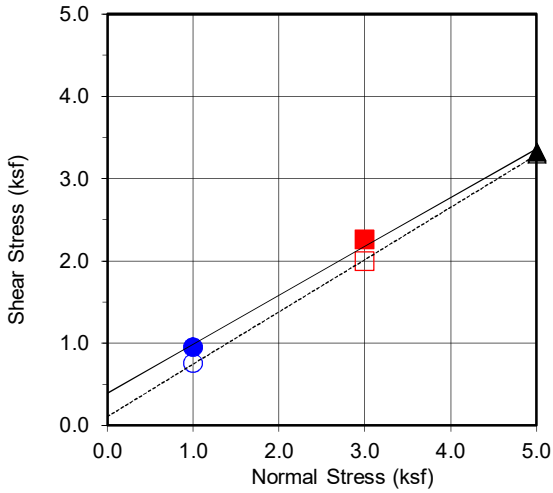
Project No.: T2953-22-01

U STOR IT YUCAIPA
SW OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

Nov 21

Figure B-6





Boring No.	**N/A**
Sample No.	**TP-3@2-4**
Depth (ft)	**2-4**
Sample Type:	Bulk

Soil Identification:		
Silty SAND (SM), dark brown		
Strength Parameters		
	C (psf)	ϕ (^{o})
Peak	394	30.7
Ultimate	108	32.5

Normal Strest (kip/ft2)	1	3	5
Peak Shear Stress (kip/ft²)	● 0.95	■ 2.26	▲ 3.32
Shear Stress @ End of Test (ksf)	○ 0.76	□ 1.99	△ 3.30
Deformation Rate (in./min.)	0.05	0.05	0.05
Initial Sample Height (in.)	1.0	1.0	1.0
Ring Inside Diameter (in.)	2.375	2.375	2.375
Initial Moisture Content (%)	8.0	8.1	8.1
Initial Dry Density (pcf)	116.0	116.1	116.1
Initial Degree of Saturation (%)	47.5	48.2	48.2
Soil Height Before Shearing (in.)	1.2	1.2	1.2
Final Moisture Content (%)	11.0	10.3	9.4

GEOCON

DIRECT SHEAR TEST RESULTS

Consolidated Drained ASTM D-3080

Checked by:

Project No.: T2953-22-01

U STOR IT YUCAIPA
SW OF YUCAIPA BLVD & 11TH ST
YUCAIPA, CALIFORNIA

Nov 21

Figure B-7

APPENDIX C

APPENDIX C

RECOMMENDED GRADING SPECIFICATIONS

FOR

U STOR IT YUCAIPA
SOUTHWEST OF YUCAIPA BOULEVARD AND 11TH STREET
YUCAIPA, CALIFORNIA

PROJECT NO. T2953-22-01

RECOMMENDED GRADING SPECIFICATIONS

1. GENERAL

1.1 These Recommended Grading Specifications shall be used in conjunction with the Geotechnical Report for the project prepared by Geocon. The recommendations contained in the text of the Geotechnical Report are a part of the earthwork and grading specifications and shall supersede the provisions contained hereinafter in the case of conflict.

1.2 Prior to the commencement of grading, a geotechnical consultant (Consultant) shall be employed for the purpose of observing earthwork procedures and testing the fills for substantial conformance with the recommendations of the Geotechnical Report and these specifications. The Consultant should provide adequate testing and observation services so that they may assess whether, in their opinion, the work was performed in substantial conformance with these specifications. It shall be the responsibility of the Contractor to assist the Consultant and keep them apprised of work schedules and changes so that personnel may be scheduled accordingly.

1.3 It shall be the sole responsibility of the Contractor to provide adequate equipment and methods to accomplish the work in accordance with applicable grading codes or agency ordinances, these specifications and the approved grading plans. If, in the opinion of the Consultant, unsatisfactory conditions such as questionable soil materials, poor moisture condition, inadequate compaction, and/or adverse weather result in a quality of work not in conformance with these specifications, the Consultant will be empowered to reject the work and recommend to the Owner that grading be stopped until the unacceptable conditions are corrected.

2. DEFINITIONS

2.1 **Owner** shall refer to the owner of the property or the entity on whose behalf the grading work is being performed and who has contracted with the Contractor to have grading performed.

2.2 **Contractor** shall refer to the Contractor performing the site grading work.

2.3 **Civil Engineer** or **Engineer of Work** shall refer to the California licensed Civil Engineer or consulting firm responsible for preparation of the grading plans, surveying and verifying as-graded topography.

2.4 **Consultant** shall refer to the soil engineering and engineering geology consulting firm retained to provide geotechnical services for the project.

2.5 **Soil Engineer** shall refer to a California licensed Civil Engineer retained by the Owner, who is experienced in the practice of geotechnical engineering. The Soil Engineer shall be responsible for having qualified representatives on-site to observe and test the Contractor's work for conformance with these specifications.

2.6 **Engineering Geologist** shall refer to a California licensed Engineering Geologist retained by the Owner to provide geologic observations and recommendations during the site grading.

2.7 **Geotechnical Report** shall refer to a soil report (including all addenda) which may include a geologic reconnaissance or geologic investigation that was prepared specifically for the development of the project for which these Recommended Grading Specifications are intended to apply.

3. MATERIALS

3.1 Materials for compacted fill shall consist of any soil excavated from the cut areas or imported to the site that, in the opinion of the Consultant, is suitable for use in construction of fills. In general, fill materials can be classified as *soil* fills, *soil-rock* fills or *rock* fills, as defined below.

3.1.1 **Soil fills** are defined as fills containing no rocks or hard lumps greater than 12 inches in maximum dimension and containing at least 40 percent by weight of material smaller than ¾ inch in size.

3.1.2 **Soil-rock fills** are defined as fills containing no rocks or hard lumps larger than 4 feet in maximum dimension and containing a sufficient matrix of soil fill to allow for proper compaction of soil fill around the rock fragments or hard lumps as specified in Paragraph 6.2. **Oversize rock** is defined as material greater than 12 inches.

3.1.3 **Rock fills** are defined as fills containing no rocks or hard lumps larger than 3 feet in maximum dimension and containing little or no fines. Fines are defined as material smaller than ¾ inch in maximum dimension. The quantity of fines shall be less than approximately 20 percent of the rock fill quantity.

3.2 Material of a perishable, spongy, or otherwise unsuitable nature as determined by the Consultant shall not be used in fills.

3.3 Materials used for fill, either imported or on-site, shall not contain hazardous materials as defined by the California Code of Regulations, Title 22, Division 4, Chapter 30, Articles 9

and 10; 40CFR; and any other applicable local, state or federal laws. The Consultant shall not be responsible for the identification or analysis of the potential presence of hazardous materials. However, if observations, odors or soil discoloration cause Consultant to suspect the presence of hazardous materials, the Consultant may request from the Owner the termination of grading operations within the affected area. Prior to resuming grading operations, the Owner shall provide a written report to the Consultant indicating that the suspected materials are not hazardous as defined by applicable laws and regulations.

3.4 The outer 15 feet of *soil-rock* fill slopes, measured horizontally, should be composed of properly compacted *soil* fill materials approved by the Consultant. *Rock* fill may extend to the slope face, provided that the slope is not steeper than 2:1 (horizontal:vertical) and a soil layer no thicker than 12 inches is track-walked onto the face for landscaping purposes. This procedure may be utilized provided it is acceptable to the governing agency, Owner and Consultant.

3.5 Samples of soil materials to be used for fill should be tested in the laboratory by the Consultant to determine the maximum density, optimum moisture content, and, where appropriate, shear strength, expansion, and gradation characteristics of the soil.

3.6 During grading, soil or groundwater conditions other than those identified in the Geotechnical Report may be encountered by the Contractor. The Consultant shall be notified immediately to evaluate the significance of the unanticipated condition

4. CLEARING AND PREPARING AREAS TO BE FILLED

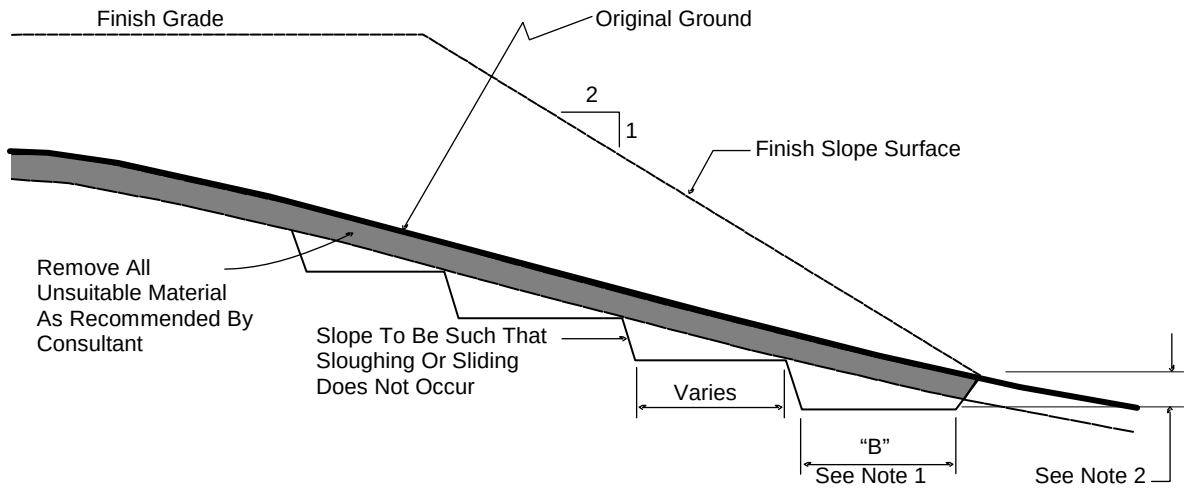
4.1 Areas to be excavated and filled shall be cleared and grubbed. Clearing shall consist of complete removal above the ground surface of trees, stumps, brush, vegetation, man-made structures, and similar debris. Grubbing shall consist of removal of stumps, roots, buried logs and other unsuitable material and shall be performed in areas to be graded. Roots and other projections exceeding 1½ inches in diameter shall be removed to a depth of 3 feet below the surface of the ground. Borrow areas shall be grubbed to the extent necessary to provide suitable fill materials.

4.2 Asphalt pavement material removed during clearing operations should be properly disposed at an approved off-site facility or in an acceptable area of the project evaluated by Geocon and the property owner. Concrete fragments that are free of reinforcing steel may be placed in fills, provided they are placed in accordance with Section 6.2 or 6.3 of this document.

4.3 After clearing and grubbing of organic matter and other unsuitable material, loose or porous soils shall be removed to the depth recommended in the Geotechnical Report. The depth of removal and compaction should be observed and approved by a representative of the Consultant. The exposed surface shall then be plowed or scarified to a minimum depth of 6 inches and until the surface is free from uneven features that would tend to prevent uniform compaction by the equipment to be used.

4.4 Where the slope ratio of the original ground is steeper than 5:1 (horizontal:vertical), or where recommended by the Consultant, the original ground should be benched in accordance with the following illustration.

TYPICAL BENCHING DETAIL



No Scale

DETAIL NOTES:

(1) Key width "B" should be a minimum of 10 feet, or sufficiently wide to permit complete coverage with the compaction equipment used. The base of the key should be graded horizontal, or inclined slightly into the natural slope.

(2) The outside of the key should be below the topsoil or unsuitable surficial material and at least 2 feet into dense formational material. Where hard rock is exposed in the bottom of the key, the depth and configuration of the key may be modified as approved by the Consultant.

4.5 After areas to receive fill have been cleared and scarified, the surface should be moisture conditioned to achieve the proper moisture content, and compacted as recommended in Section 6 of these specifications.

5. COMPACTION EQUIPMENT

5.1 Compaction of *soil* or *soil-rock* fill shall be accomplished by sheepsfoot or segmented-steel wheeled rollers, vibratory rollers, multiple-wheel pneumatic-tired rollers, or other types of acceptable compaction equipment. Equipment shall be of such a design that it will be capable of compacting the *soil* or *soil-rock* fill to the specified relative compaction at the specified moisture content.

5.2 Compaction of *rock* fills shall be performed in accordance with Section 6.3.

6. PLACING, SPREADING AND COMPACTION OF FILL MATERIAL

6.1 *Soil* fill, as defined in Paragraph 3.1.1, shall be placed by the Contractor in accordance with the following recommendations:

6.1.1 *Soil* fill shall be placed by the Contractor in layers that, when compacted, should generally not exceed 8 inches. Each layer shall be spread evenly and shall be thoroughly mixed during spreading to obtain uniformity of material and moisture in each layer. The entire fill shall be constructed as a unit in nearly level lifts. Rock materials greater than 12 inches in maximum dimension shall be placed in accordance with Section 6.2 or 6.3 of these specifications.

6.1.2 In general, the *soil* fill shall be compacted at a moisture content at or above the optimum moisture content as determined by ASTM D 1557.

6.1.3 When the moisture content of *soil* fill is below that specified by the Consultant, water shall be added by the Contractor until the moisture content is in the range specified.

6.1.4 When the moisture content of the *soil* fill is above the range specified by the Consultant or too wet to achieve proper compaction, the *soil* fill shall be aerated by the Contractor by blading/mixing, or other satisfactory methods until the moisture content is within the range specified.

6.1.5 After each layer has been placed, mixed, and spread evenly, it shall be thoroughly compacted by the Contractor to a relative compaction of at least 90 percent. Relative compaction is defined as the ratio (expressed in percent) of the in-place dry density of the compacted fill to the maximum laboratory dry density as determined in accordance with ASTM D 1557. Compaction shall be continuous over the entire area, and compaction equipment shall make sufficient passes so that the specified minimum relative compaction has been achieved throughout the entire fill.

6.1.6 Where practical, soils having an Expansion Index greater than 50 should be placed at least 3 feet below finish pad grade and should be compacted at a moisture content generally 2 to 4 percent greater than the optimum moisture content for the material.

6.1.7 Properly compacted *soil* fill shall extend to the design surface of fill slopes. To achieve proper compaction, it is recommended that fill slopes be over-built by at least 3 feet and then cut to the design grade. This procedure is considered preferable to track-walking of slopes, as described in the following paragraph.

6.1.8 As an alternative to over-building of slopes, slope faces may be back-rolled with a heavy-duty loaded sheepsfoot or vibratory roller at maximum 4-foot fill height intervals. Upon completion, slopes should then be track-walked with a D-8 dozer or similar equipment, such that a dozer track covers all slope surfaces at least twice.

6.2 *Soil-rock* fill, as defined in Paragraph 3.1.2, shall be placed by the Contractor in accordance with the following recommendations:

6.2.1 Rocks larger than 12 inches but less than 4 feet in maximum dimension may be incorporated into the compacted *soil* fill, but shall be limited to the area measured 15 feet minimum horizontally from the slope face and 5 feet below finish grade or 3 feet below the deepest utility, whichever is deeper.

6.2.2 Rocks or rock fragments up to 4 feet in maximum dimension may either be individually placed or placed in windrows. Under certain conditions, rocks or rock fragments up to 10 feet in maximum dimension may be placed using similar methods. The acceptability of placing rock materials greater than 4 feet in maximum dimension shall be evaluated during grading as specific cases arise and shall be approved by the Consultant prior to placement.

6.2.3 For individual placement, sufficient space shall be provided between rocks to allow for passage of compaction equipment.

6.2.4 For windrow placement, the rocks should be placed in trenches excavated in properly compacted *soil* fill. Trenches should be approximately 5 feet wide and 4 feet deep in maximum dimension. The voids around and beneath rocks should be filled with approved granular soil having a Sand Equivalent of 30 or greater and should be compacted by flooding. Windrows may also be placed utilizing an "open-face" method in lieu of the trench procedure, however, this method should first be approved by the Consultant.

6.2.5 Windrows should generally be parallel to each other and may be placed either parallel to or perpendicular to the face of the slope depending on the site geometry. The minimum horizontal spacing for windrows shall be 12 feet center-to-center with a 5-foot stagger or offset from lower courses to next overlying course. The minimum vertical spacing between windrow courses shall be 2 feet from the top of a lower windrow to the bottom of the next higher windrow.

6.2.6 Rock placement, fill placement and flooding of approved granular soil in the windrows should be continuously observed by the Consultant.

6.3 *Rock* fills, as defined in Section 3.1.3, shall be placed by the Contractor in accordance with the following recommendations:

6.3.1 The base of the *rock* fill shall be placed on a sloping surface (minimum slope of 2 percent). The surface shall slope toward suitable subdrainage outlet facilities. The *rock* fills shall be provided with subdrains during construction so that a hydrostatic pressure buildup does not develop. The subdrains shall be permanently connected to controlled drainage facilities to control post-construction infiltration of water.

6.3.2 *Rock* fills shall be placed in lifts not exceeding 3 feet. Placement shall be by rock trucks traversing previously placed lifts and dumping at the edge of the currently placed lift. Spreading of the *rock* fill shall be by dozer to facilitate *seating* of the rock. The *rock* fill shall be watered heavily during placement. Watering shall consist of water trucks traversing in front of the current rock lift face and spraying water continuously during rock placement. Compaction equipment with compactive energy comparable to or greater than that of a 20-ton steel vibratory roller or other compaction equipment providing suitable energy to achieve the required compaction or deflection as recommended in Paragraph 6.3.3 shall be utilized. The number of passes to be made should be determined as described in Paragraph 6.3.3. Once a *rock* fill lift has been covered with *soil* fill, no additional *rock* fill lifts will be permitted over the *soil* fill.

6.3.3 Plate bearing tests, in accordance with ASTM D 1196, may be performed in both the compacted *soil* fill and in the *rock* fill to aid in determining the required minimum number of passes of the compaction equipment. If performed, a minimum of three plate bearing tests should be performed in the properly compacted *soil* fill (minimum relative compaction of 90 percent). Plate bearing tests shall then be performed on areas of *rock* fill having two passes, four passes and six passes of the compaction equipment, respectively. The number of passes required for the *rock* fill shall be determined by comparing the results of the plate bearing tests for the *soil* fill and the *rock* fill and by evaluating the deflection

variation with number of passes. The required number of passes of the compaction equipment will be performed as necessary until the plate bearing deflections are equal to or less than that determined for the properly compacted *soil* fill. In no case will the required number of passes be less than two.

6.3.4 A representative of the Consultant should be present during *rock* fill operations to observe that the minimum number of "passes" have been obtained, that water is being properly applied and that specified procedures are being followed. The actual number of plate bearing tests will be determined by the Consultant during grading.

6.3.5 Test pits shall be excavated by the Contractor so that the Consultant can state that, in their opinion, sufficient water is present and that voids between large rocks are properly filled with smaller rock material. In-place density testing will not be required in the *rock* fills.

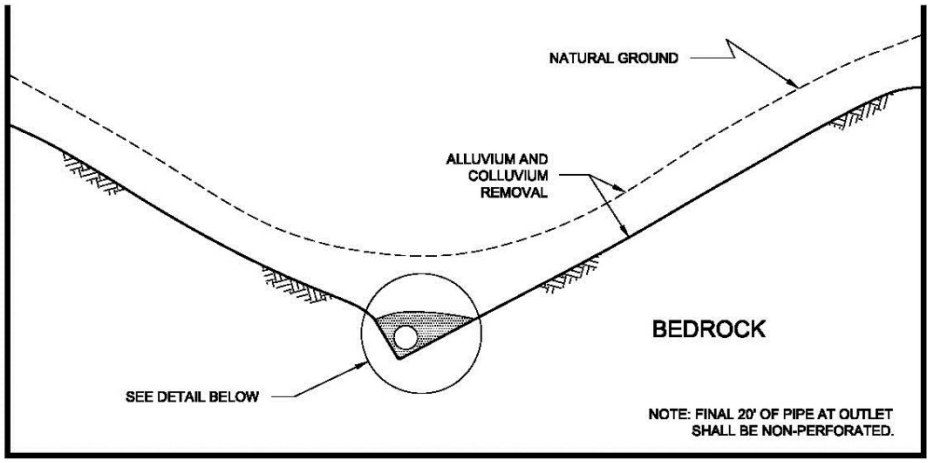
6.3.6 To reduce the potential for "piping" of fines into the *rock* fill from overlying *soil* fill material, a 2-foot layer of graded filter material shall be placed above the uppermost lift of *rock* fill. The need to place graded filter material below the *rock* should be determined by the Consultant prior to commencing grading. The gradation of the graded filter material will be determined at the time the *rock* fill is being excavated. Materials typical of the *rock* fill should be submitted to the Consultant in a timely manner, to allow design of the graded filter prior to the commencement of *rock* fill placement.

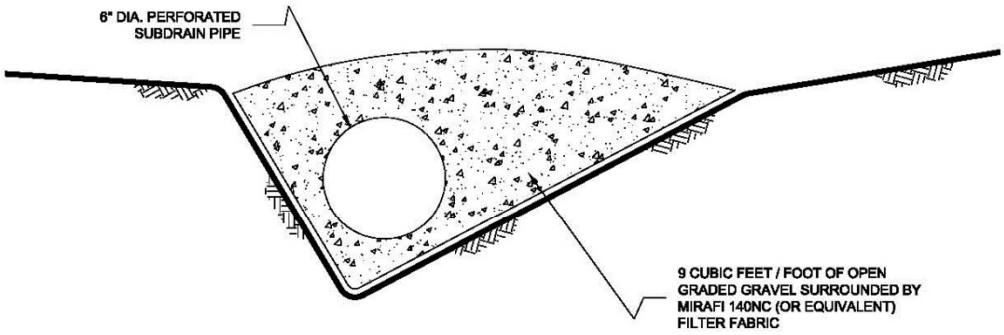
6.3.7 *Rock* fill placement should be continuously observed during placement by the Consultant.

7. SUBDRAINS

7.1 The geologic units on the site may have permeability characteristics and/or fracture systems that could be susceptible under certain conditions to seepage. The use of canyon subdrains may be necessary to mitigate the potential for adverse impacts associated with seepage conditions. Canyon subdrains with lengths in excess of 500 feet or extensions of existing offsite subdrains should use 8-inch-diameter pipes. Canyon subdrains less than 500 feet in length should use 6-inch-diameter pipes.

TYPICAL CANYON DRAIN DETAIL





NOTES:

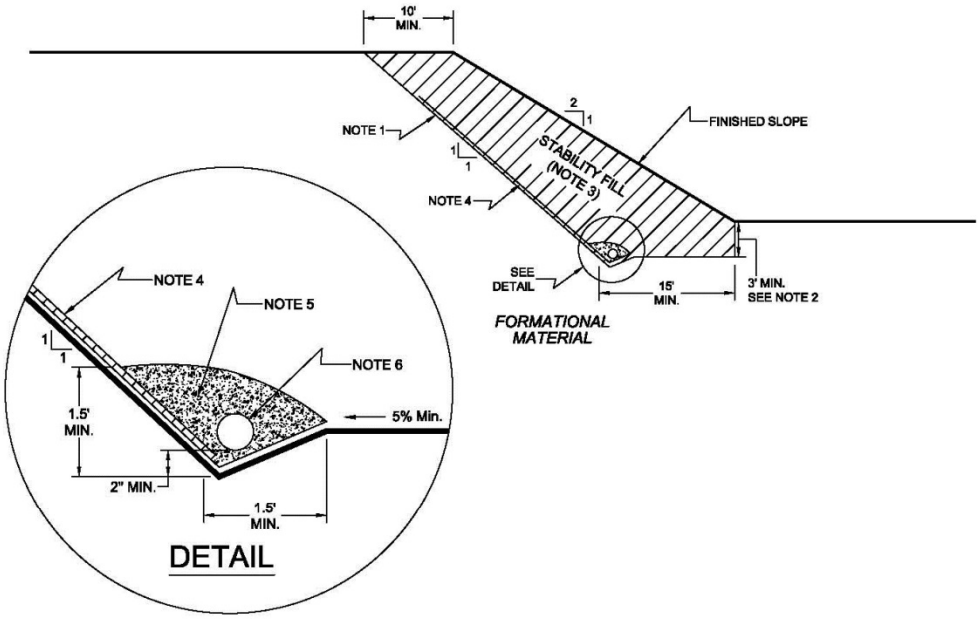
1.....8-INCH DIAMETER, SCHEDULE 80 PVC PERFORATED PIPE FOR FILLS
IN EXCESS OF 100-FEET IN DEPTH OR A PIPE LENGTH OF LONGER THAN 500 FEET.

2.....6-INCH DIAMETER, SCHEDULE 40 PVC PERFORATED PIPE FOR FILLS
LESS THAN 100-FEET IN DEPTH OR A PIPE LENGTH SHORTER THAN 500 FEET.

NO SCALE

7.2 Slope drains within stability fill keyways should use 4-inch-diameter (or lager) pipes.

TYPICAL STABILITY FILL DETAIL



NOTES:

1.....EXCAVATE BACKCUT AT 1:1 INCLINATION (UNLESS OTHERWISE NOTED).

2.....BASE OF STABILITY FILL TO BE 3 FEET INTO FORMATIONAL MATERIAL, SLOPING A MINIMUM 5% INTO SLOPE.

3.....STABILITY FILL TO BE COMPOSED OF PROPERLY COMPACTED GRANULAR SOIL.

4.....CHIMNEY DRAINS TO BE APPROVED PREFABRICATED CHIMNEY DRAIN PANELS (MIRADRAIN G200N OR EQUIVALENT) SPACED APPROXIMATELY 20 FEET CENTER TO CENTER AND 4 FEET WIDE. CLOSER SPACING MAY BE REQUIRED IF SEEPAGE IS ENCOUNTERED.

5.....FILTER MATERIAL TO BE 3/4-INCH, OPEN-GRADED CRUSHED ROCK ENCLOSED IN APPROVED FILTER FABRIC (MIRAFI 140NC).

6.....COLLECTOR PIPE TO BE 4-INCH MINIMUM DIAMETER, PERFORATED, THICK-WALLED PVC SCHEDULE 40 OR EQUIVALENT, AND SLOPED TO DRAIN AT 1 PERCENT MINIMUM TO APPROVED OUTLET.

NO SCALE

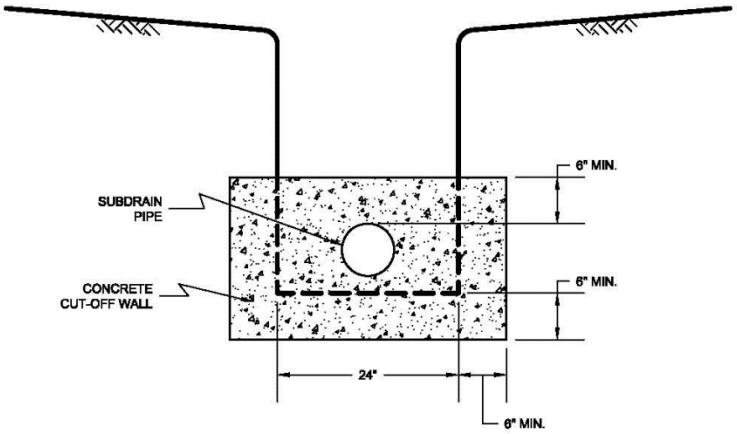
7.3 The actual subdrain locations will be evaluated in the field during the remedial grading operations. Additional drains may be necessary depending on the conditions observed and the requirements of the local regulatory agencies. Appropriate subdrain outlets should be evaluated prior to finalizing 40-scale grading plans.

7.4 *Rock* fill or *soil-rock* fill areas may require subdrains along their down-slope perimeters to mitigate the potential for buildup of water from construction or landscape irrigation. The subdrains should be at least 6-inch-diameter pipes encapsulated in gravel and filter fabric. *Rock* fill drains should be constructed using the same requirements as canyon subdrains.

7.5 Prior to outletting, the final 20-foot segment of a subdrain that will not be extended during future development should consist of non-perforated drainpipe. At the non-perforated/ perforated interface, a seepage cutoff wall should be constructed on the downslope side of the pipe.

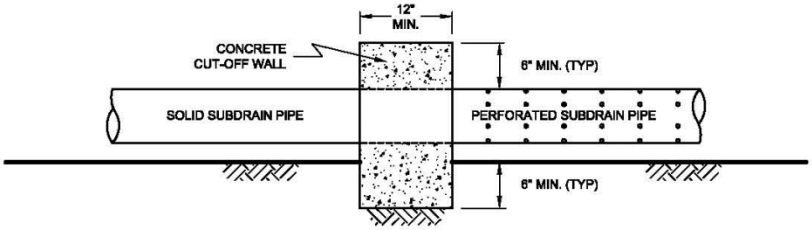
TYPICAL CUT OFF WALL DETAIL

FRONT VIEW



NO SCALE

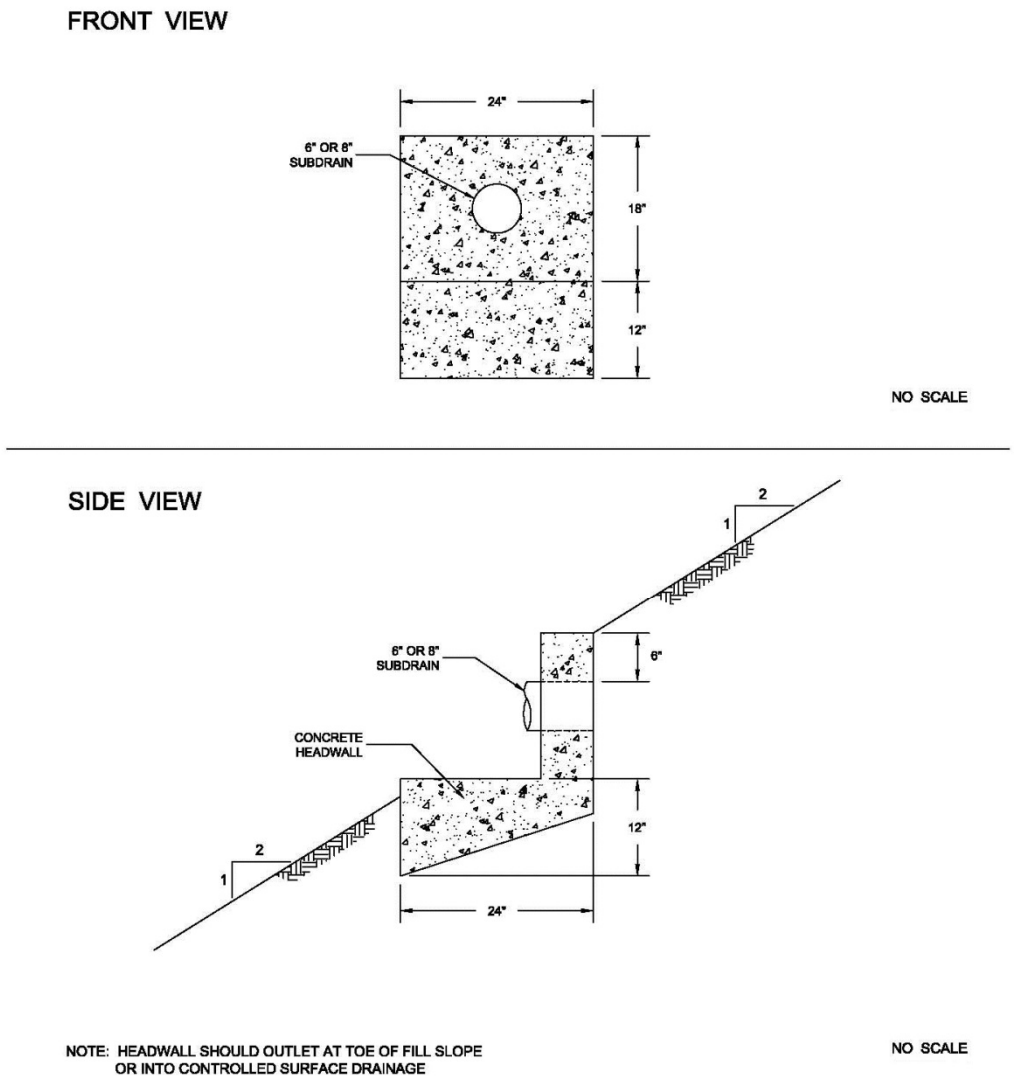
SIDE VIEW



NO SCALE

7.6 Subdrains that discharge into a natural drainage course or open space area should be provided with a permanent headwall structure.

TYPICAL HEADWALL DETAIL



7.7 The final grading plans should show the location of the proposed subdrains. After completion of remedial excavations and subdrain installation, the project civil engineer should survey the drain locations and prepare an “as-built” map showing the drain locations. The final outlet and connection locations should be determined during grading operations. Subdrains that will be extended on adjacent projects after grading can be placed on formational material and a vertical riser should be placed at the end of the subdrain. The grading contractor should consider videoing the subdrains shortly after burial to check proper installation and functionality. The contractor is responsible for the performance of the drains.

8. OBSERVATION AND TESTING

8.1 The Consultant shall be the Owner's representative to observe and perform tests during clearing, grubbing, filling, and compaction operations. In general, no more than 2 feet in vertical elevation of *soil* or *soil-rock* fill should be placed without at least one field density test being performed within that interval. In addition, a minimum of one field density test should be performed for every 2,000 cubic yards of *soil* or *soil-rock* fill placed and compacted.

8.2 The Consultant should perform a sufficient distribution of field density tests of the compacted *soil* or *soil-rock* fill to provide a basis for expressing an opinion whether the fill material is compacted as specified. Density tests shall be performed in the compacted materials below any disturbed surface. When these tests indicate that the density of any layer of fill or portion thereof is below that specified, the particular layer or areas represented by the test shall be reworked until the specified density has been achieved.

8.3 During placement of *rock* fill, the Consultant should observe that the minimum number of passes have been obtained per the criteria discussed in Section 6.3.3. The Consultant should request the excavation of observation pits and may perform plate bearing tests on the placed *rock* fills. The observation pits will be excavated to provide a basis for expressing an opinion as to whether the *rock* fill is properly seated and sufficient moisture has been applied to the material. When observations indicate that a layer of *rock* fill or any portion thereof is below that specified, the affected layer or area shall be reworked until the *rock* fill has been adequately seated and sufficient moisture applied.

8.4 A settlement monitoring program designed by the Consultant may be conducted in areas of *rock* fill placement. The specific design of the monitoring program shall be as recommended in the Conclusions and Recommendations section of the project Geotechnical Report or in the final report of testing and observation services performed during grading.

8.5 We should observe the placement of subdrains, to check that the drainage devices have been placed and constructed in substantial conformance with project specifications.

8.6 Testing procedures shall conform to the following Standards as appropriate:

8.6.1 Soil and Soil-Rock Fills:

8.6.1.1 Field Density Test, ASTM D 1556, *Density of Soil In-Place By the Sand-Cone Method.*

8.6.1.2 Field Density Test, Nuclear Method, ASTM D 6938, *Density of Soil and Soil-Aggregate In-Place by Nuclear Methods (Shallow Depth).*

8.6.1.3 Laboratory Compaction Test, ASTM D 1557, *Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10-Pound Hammer and 18-Inch Drop*.

8.6.1.4. Expansion Index Test, ASTM D 4829, *Expansion Index Test*.

9. PROTECTION OF WORK

9.1 During construction, the Contractor shall properly grade all excavated surfaces to provide positive drainage and prevent ponding of water. Drainage of surface water shall be controlled to avoid damage to adjoining properties or to finished work on the site. The Contractor shall take remedial measures to prevent erosion of freshly graded areas until such time as permanent drainage and erosion control features have been installed. Areas subjected to erosion or sedimentation shall be properly prepared in accordance with the Specifications prior to placing additional fill or structures.

9.2 After completion of grading as observed and tested by the Consultant, no further excavation or filling shall be conducted except in conjunction with the services of the Consultant.

10. CERTIFICATIONS AND FINAL REPORTS

10.1 Upon completion of the work, Contractor shall furnish Owner a certification by the Civil Engineer stating that the lots and/or building pads are graded to within 0.1 foot vertically of elevations shown on the grading plan and that all tops and toes of slopes are within 0.5 foot horizontally of the positions shown on the grading plans. After installation of a section of subdrain, the project Civil Engineer should survey its location and prepare an *as-built* plan of the subdrain location. The project Civil Engineer should verify the proper outlet for the subdrains and the Contractor should ensure that the drain system is free of obstructions.

10.2 The Owner is responsible for furnishing a final as-graded soil and geologic report satisfactory to the appropriate governing or accepting agencies. The as-graded report should be prepared and signed by a California licensed Civil Engineer experienced in geotechnical engineering and by a California Certified Engineering Geologist, indicating that the geotechnical aspects of the grading were performed in substantial conformance with the Specifications or approved changes to the Specifications.

Drainage Study
For Yucaipa Self-Storage
11TH St. (Vacant Lot)
Yucaipa, CA 92399

Date Prepared:
November 19, 2021

Prepared for:
Chicago Capital Funds
Attn.: Peter Nora
501 W. Broadway Ste. 202
San Diego, CA 92101

Prepared By:

OMEGA
ENGINEERING CONSULTANTS
4340 Viewridge Ave, Suite B
San Diego, CA 92113
Ph: (858) 634-8620

Declaration of Responsible Charge:
I hereby declare that I am the engineer of work for this project, that I have exercised responsible charge over the design of the project as defined in section 6703 of the business and professions code, and that the design is consistent with current standards. I understand that the check of the project drawings and specifications by the City of Yucaipa is confined to a review only and does not relieve me, as an engineer of work, of my responsibilities for project design.

FOR PLAN CHECK
REVIEW ONLY

Patric de Boer RCE 83583
Registration Expires 3-31-2023

Table of Contents

Site & Project Description 1
Methodology 1
Existing Conditions 1
Proposed Conditions 1
Existing Runoff Analysis 2
Proposed Runoff Analysis 2
Hydrograph Development 4
Results and Conclusions 6
100-Year Pre-Developed Hydrology Flows 7
100-Year Post-Developed Hydrology Flows 8
Site Vicinity Map (Figure 1) 9
Existing Hydrology Exhibit (Figure 2) 10
Proposed Hydrology Exhibit (Figure 3) 11
Infiltration Basin Detail (Figure 4) 12

Appendices

Hydrologic Soils Group Map ..... Appendix 1
NOAA Precipitation Chart ..... Appendix 2
Time of Concentration Nomograph ..... Appendix 3
Intensity Duration Nomograph ..... Appendix 4
Fm Values ..... Appendix 5
Area Averaged Mass Rainfall Nomograph ..... Appendix 6

Site Project and Description

This drainage study has been prepared for the proposed development at a vacant lot on 11th Street, Yucaipa CA. This project proposes to construct self-storage facility with its corresponding improvements. The site is approximately 1.33 miles north of Interstate 10. See Figure No. 1 for a Vicinity Map. The project site is currently a vacant lot and a small portion of developed commercial area on the north section of the site.

Methodology

This analysis utilizes the Rational Method as defined in the San Bernardino County Hydrology Manual, to determine peak flowrates generated by the existing and proposed conditions of the project site. Onsite detention requirements were determined by a separate set of calculations performed using the Small Area Runoff Hydrograph Development method. This is further detailed in the Detention Calculations portion of this report.

The time of concentration for overland flow was determined using Figure D-1 from the San Bernardino County Hydrology Manual included as Appendix 3 of this report.

As the project will be increasing the peak flow rate that is directed towards the southwesterly corner of the site, onsite flow attenuation is required. A proposed infiltration basin will be used for this purpose.

The following references have been used in preparation of this report:

(1) Handbook of Hydraulics, E.F. Brater & H.W. King, 6th Ed., 1976.
(2) Modern Sewer Design, American Iron & Steel Institute, 1st Ed., 1980.
(3) San Bernardino County Hydrology Manual, 1986

Existing Conditions

The existing site is a vacant lot with sparse vegetation. Ground surface conditions consist of seasonal grasses and exposed soil. No storm drains or surface improvements exist on the site. The existing site with an average slope of 3.33% and is underlain by sandy, type 'A' Soil.

Proposed Conditions

In the proposed conditions, five self-storage buildings, RV parking spaces and drive aisles will be constructed. The proposed buildings and drive aisles make up approximately 76% percent of the impervious area. A proposed infiltration basin will be built at the southwesterly corner of the site.

The entire site drains via from east to the southwesterly corner of the site via surface flow. The runoff generated from the site drains into the proposed infiltration basin to retain the 100-year storm. This point is referred to as Discharge Point # 1 on this report. An overflow spillway will be installed for emergency overflow. No discharge is anticipated for all events, up to the 100-year storm.

Existing Runoff Analysis

The existing site was modeled as a single basin. Runoff generated by the site drains via sheet flow to the southeasterly corner of the site and onto the neighboring property.

Below is a summary of the Rational Method Calculations for the existing conditions:

Basin #	Area (ac)	F(m)	I_{100} (in/hr)	Q_{100} (cfs)
E-1	6.648	0.41	2.65	13.40
	Discharge Point #1			13.40

Proposed Runoff Analysis

The proposed site was modeled as a single basin. The project maintains the existing discharge point. The flow to Discharge Point #1 is the unmitigated flow. It does not include attenuation in the proposed infiltration basin, which is detailed in the separate unit hydrograph calculations in this report.

Below is a summary of the Rational Method Calculations for the proposed conditions:

Basin #	Area (ac)	F(m)	I_{100} (in/hr)	Q_{100} (cfs)
P-1	6.648	0.10	3.75	21.84
	Discharge Point-1			21.84

Discharge Point #1 experiences an increase of 8.44 cfs for the 100-yr storm in the proposed conditions per the Rational Method calcs. The Small Area Hydrograph method described below shows that through detention and infiltration, the discharge of any stormwater at Discharge Point #1 will be eliminated.

Hydrograph Development

A small Area Runoff Hydrograph was developed per Section J of the San Bernardino Hydrology Manual. The hydrograph is based on the area of basin P-1 (6.648 acres). The time of concentration used for the base of the unit hydrographs is 9.5 minutes, which corresponds to the time of concentration for Basin P-1 of the rational calculations. The unit interval is equal to the time of concentration. For a 3-hr 100-yr storm, there are 26 separate 9.5-minute intervals.

To populate the Mass Rainfall column below, point precipitation data from the NOAA Atlas 14 database was plotted on the Area Averaged Mass Rainfall Plotting Sheet (see appendix 6). The unit loss is based on a rate of 0.10 inches per hour, which is equal to 0.016 inches per 9.5-minute interval.

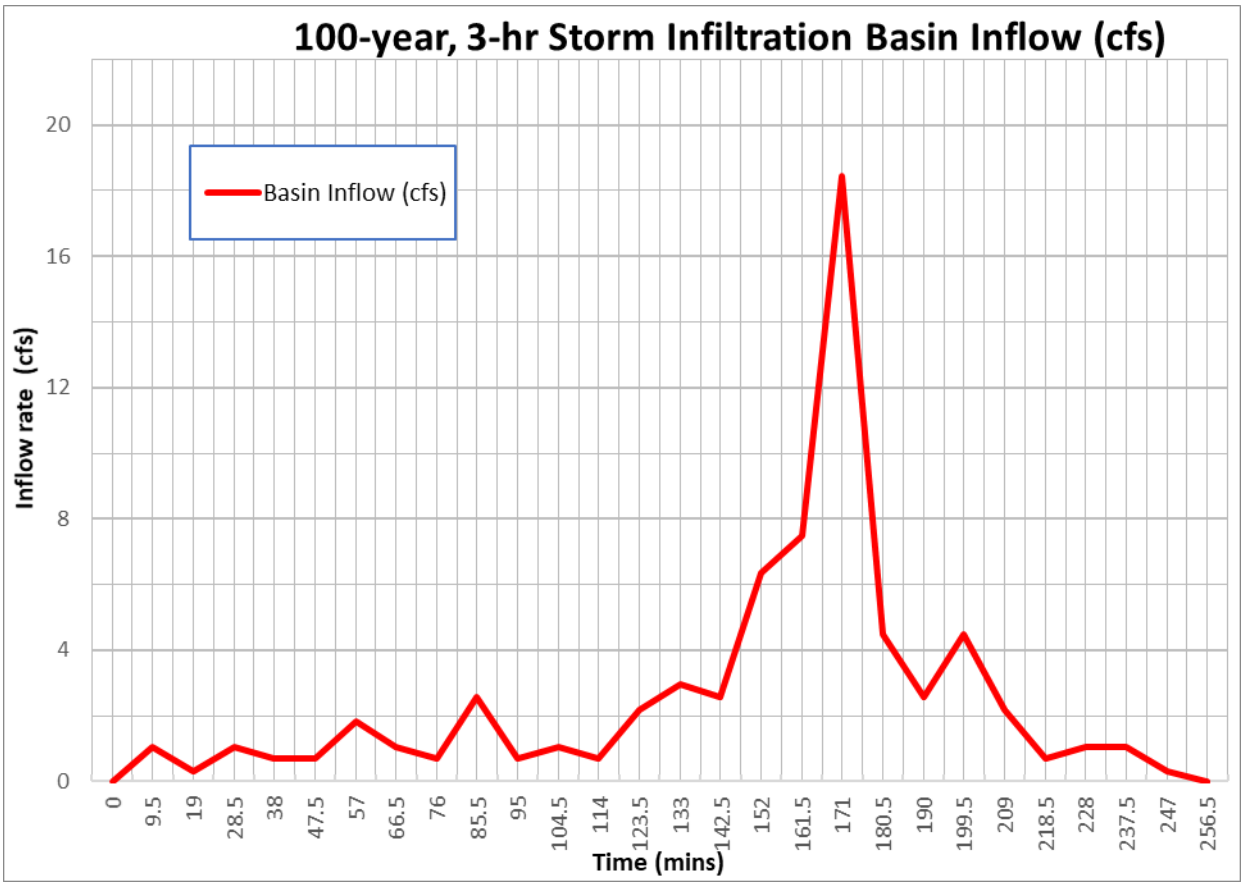
Effective Rainfall = (Net Rainfall) x (60 minutes/Unit Interval)

Discharge = 0.9 x (Effective Rainfall x Fm) x (Area)

3-hr 100-yr storm Hydrograph

Unit Number	Mass Rainfall (Inches)	Unit Mass Rainfall (Inches)	Unit Loss (Inches)	Net Rainfall (Inches)	Effective Rainfall (inches/hr)	Discharge, Q (cfs)
1	0.52	0.52	0.016	0.50	3.18	18.45
2	0.75	0.23	0.016	0.21	1.35	7.49
3	0.95	0.20	0.016	0.18	1.16	6.36
4	1.10	0.15	0.016	0.13	0.85	4.47
5	1.20	0.10	0.016	0.08	0.53	2.58
6	1.31	0.11	0.016	0.09	0.59	2.95
7	1.45	0.14	0.016	0.12	0.53	2.58
8	1.52	0.07	0.016	0.05	0.47	2.20
9	1.60	0.08	0.016	0.06	0.21	0.69
10	1.70	0.10	0.016	0.08	0.85	4.47
11	1.75	0.05	0.016	0.03	0.21	0.69
12	1.81	0.06	0.016	0.04	0.28	1.06
13	1.90	0.09	0.016	0.07	0.47	2.20
14	2.00	0.10	0.016	0.08	0.53	2.58
15	2.05	0.05	0.016	0.03	0.21	0.69
16	2.10	0.05	0.016	0.03	0.21	0.69
17	2.16	0.06	0.016	0.04	0.28	1.06
18	2.24	0.08	0.016	0.06	0.40	1.82
19	2.30	0.06	0.016	0.04	0.28	1.06
20	2.35	0.05	0.016	0.03	0.21	0.69
21	2.40	0.05	0.016	0.03	0.21	0.69
22	2.46	0.06	0.016	0.04	0.28	1.06
23	2.52	0.06	0.016	0.04	0.28	1.06
24	2.56	0.04	0.016	0.02	0.15	0.31
25	2.60	0.04	0.016	0.02	0.15	0.31
26	2.66	0.06	0.016	0.04	0.28	1.06

The peak discharge values were arranged into the runoff hydrograph shown below.



The section below details the calculations done to ensure adequate retention volume was provided in the infiltration basin.

Detention Calculations

The Geotechnical consultant for this project provided infiltration rates of 2.1 in/hr and 4.1 in/hr. An average infiltration rate of 3 in/hr with a factor of safety of 3 was used for design purposes. With a factor of safety of 3.0 applied, the design infiltration rate is 1 inch per hour.

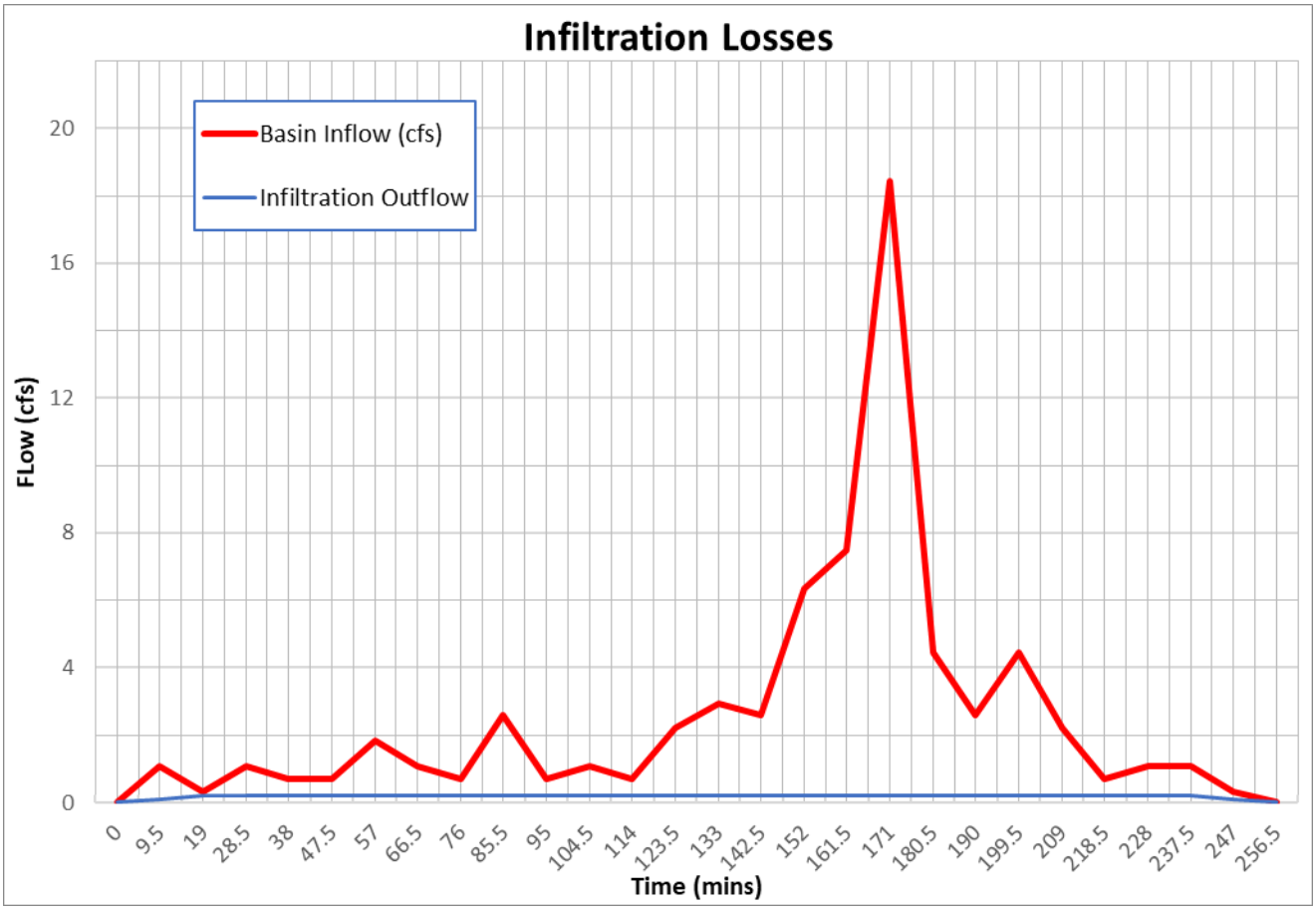
The infiltration basin is trapezoidal in cross section, with a bottom area of 8,511 sf. The infiltration loss rate is calculated by multiplying the bottom area of the basin by the infiltration rate.

Loss Rate =8,511 sf × (1 inches per hour/12 inches per foot) × (1 hr/3,600 seconds) = 0.20 cfs

The Infiltration Loss hydrograph is plotted over the basin inflow hydrograph in the chart above.

To calculate the detention volume requirements, the area under the infiltration loss hydrograph is subtracted from the area under inflow hydrograph.

`



This was accomplished by determining the excess volume at each step of the hydrograph. The volume that is retained at each step is determined by subtracting the outflow from the inflow and multiplying by the step duration in seconds.

Example: At T = 76 minutes;

Volume = (0.69 cfs - 0.20 cfs) × 9.5 minutes × (60 seconds/1 minute) = 277 cf

The excess volume from all the steps was summed together to determine the required storage volume for the infiltration basin to detain and infiltrate all the water it received without discharging surface outflow.

Storage Volume Chart

Time (mins)	Basin Inflow (cfs)	Infiltration Outflow (cfs)	Excess Volume Per step (cf)
0	0	0	0
9.5	1.06	0.10	0
19	0.31	0.20	62
28.5	1.06	0.20	493
38	0.69	0.20	277
47.5	0.69	0.20	277
57	1.82	0.20	924
66.5	1.06	0.20	493

76	0.69	0.20	277
85.5	2.58	0.20	1,355
95	0.69	0.20	277
104.5	1.06	0.20	493
114	0.69	0.20	277
123.5	2.20	0.20	1,139
133	2.95	0.20	1,570
142.5	2.58	0.20	1,355
152	6.36	0.20	3,509
161.5	7.49	0.20	4,156
171	18.45	0.20	10,404
180.5	4.47	0.20	2,432
190	2.58	0.20	1,355
199.5	4.47	0.20	2,432
209	2.20	0.20	1,139
218.5	0.69	0.20	277
228	1.06	0.20	493
237.5	1.06	0.20	493
247	0.31	0.10	0
256.5	0.00	0	0
		Sum of excess volume=	35,961

Per the above calculations, a volume of 35,961 cubic feet is required to accept the entire runoff generated by the area tributary to the infiltration basin.

The proposed infiltration basin will have a total volume of 40,227 cf below the overflow flowline. The basin will provide approximately 8,511 SF at the bottom of the basin with 2:1 side slopes. A concrete spillway structure will be provided for overflow purposes 4 feet above the bottom of the basin and 4.5 feet of ponding will be provided from the bottom of basin to top of berm. See Figure 4 on this report for more details.

The storage capacity of the infiltration basin is greater than the excess volume that is accumulated in the basin during the 100-yr 3-hr storm, therefore, the basin provides sufficient storage for the 100-year storm.

Results and Conclusions

The redevelopment of the site will decrease the peak flowrates generated by the area of analysis at the discharge point. The result is a peak storm water flowrate that is less than the existing conditions. DP-1 reduces the flow to 0 cfs for the peak of the 100-year storm. This decrease is due to 100-yr volume retention in the BMP infiltration basin.

It is the opinion of Omega Engineering Consultants that the proposed development has been designed to safely retain the 100-year storm event and will not create new adverse conditions to downstream conveyances and waterways.

RATIONAL METHOD CALCULATION FORM

SAN BERNADINO COUNTY HYDROLOGY MANUAL	STUDY NAME: U-STOR-IT YUCAIPA 100 - YEAR STORM; 1-HOUR RAINFALL (INCH) = 1.24; SLOPE = 0.60	Calculated By: Rogelio Ruiz Date: November 12, 2021 Checked By: Patric de Boer Date: November 12, 2021

Concentration Point	Area (acres)		Soil Type	Dev. Type	T(t) min	T(c) min	I in/hr	F(m) in/hr	F(m) avg.	Q Total cfs	Flow Path Length ft.	Slope ft./ft.	V ft./sec	Hydraulics and Notes
	Sub Area	Total												
E-1	6.648	6.648	A	Comm		17.0	2.65	0.41	0.41	13.40				Initial Sub Area
											DP-1: Peak discharge is 13.40 cfs			

For the confluence of two streams, let T_1, I_1, Fm_1, A_1, and Q_1, be the time of concentration, rainfall intensity, area-averaged loss rate, catchment area, and peak flow rate for stream #1 while T_2, I_2, Fm_2, A_2 and Q_2 correspond to stream #2. Also, let Q_1 be less than Q_2. Finally, let T_p, A_p, and Q_p be the resulting confluence estimates for Tc, area, and peak flow rate, respectively.

T_1 is less than T_2.

$A_p = A_1 + A_2$.

$$Q_p = Q_2 + \frac{(I_2 - Fm_1)}{(I_1 - Fm_1)} Q_1$$

RATIONAL METHOD CALCULATION FORM

SAN BERNADINO COUNTY HYDROLOGY MANUAL	STUDY NAME: U-STOR-IT YUCAIPA 100 - YEAR STORM; 1-HOUR RAINFALL (INCH) = 1.24; SLOPE = 0.60	Calculated By: Rogelio Ruiz Date: November 12, 2021 Checked By: Patric de Boer Date: November 12, 2021

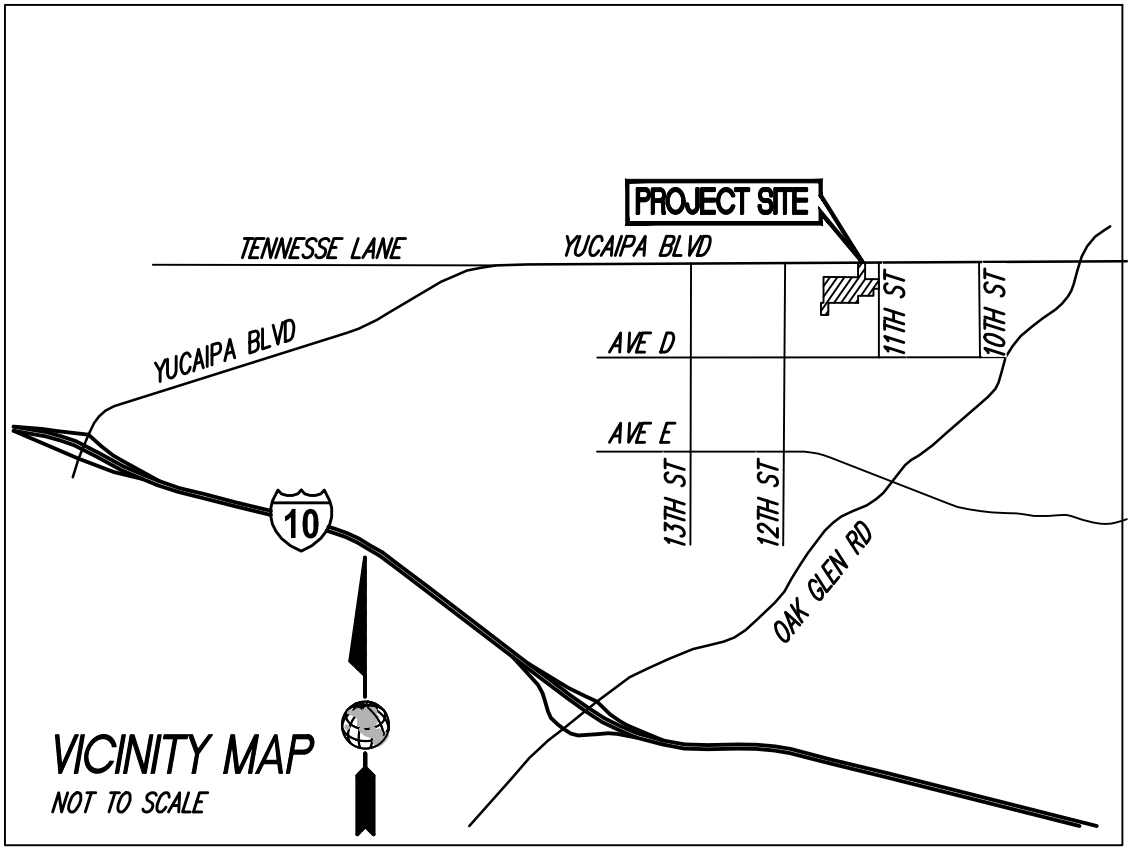
Concentration Point	Area (acres)		Soil Type	Dev. Type	T(t) min	T(c) min	I in/hr	F(m) in/hr	F(m) avg.	Q Total cfs	Flow Path Length ft.	Slope ft./ft.	V ft./sec	Hydraulics and Notes
	Sub Area	Total												
P-1	6.648	6.648	A	Comm		9.5	3.75	0.10	0.10	21.84				Initial Sub Area
											DP-1: Peak discharge is 21.84 cfs			

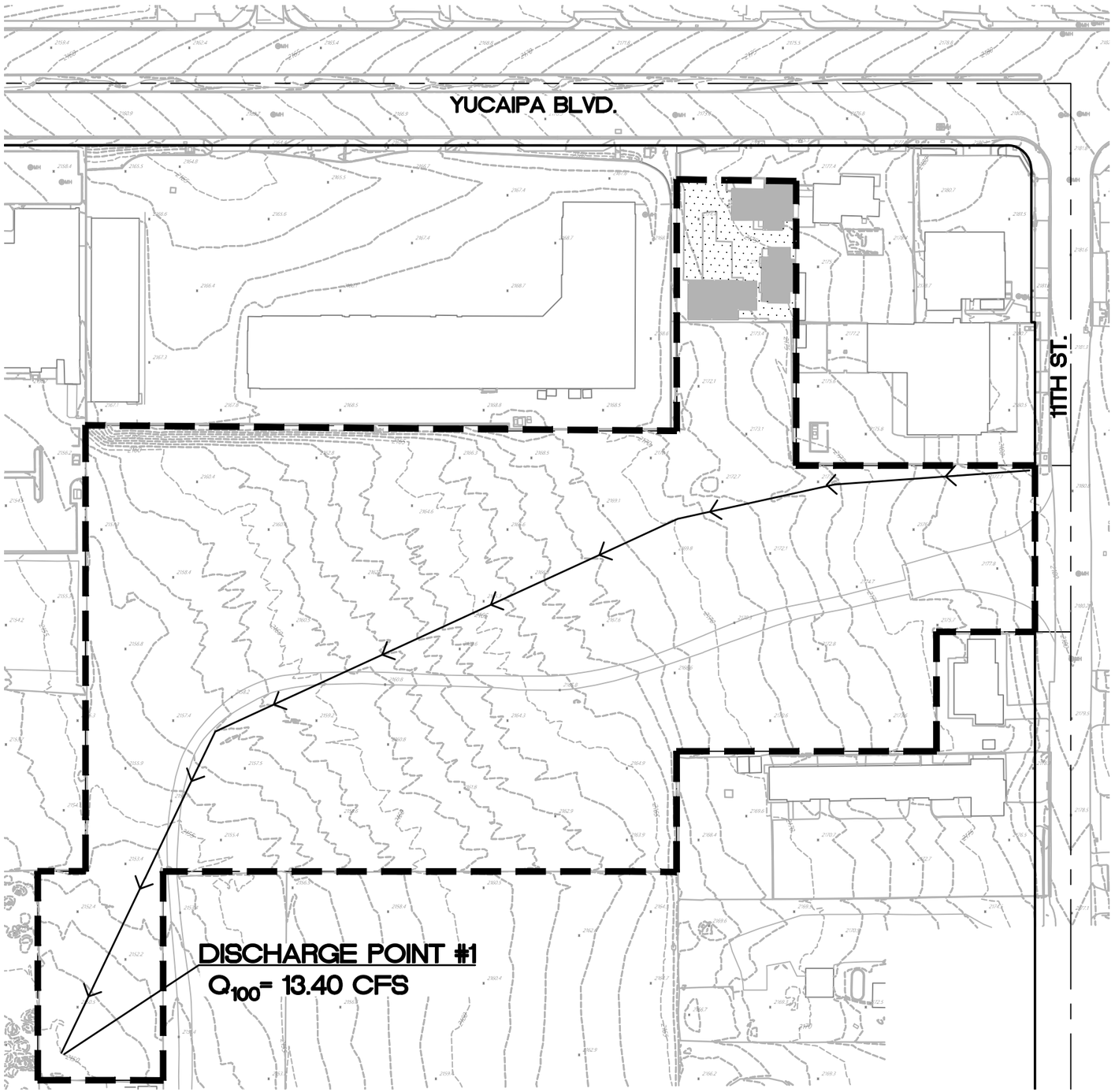
For the confluence of two streams, let T_1, I_1, Fm_1, A_1, and Q_1, be the time of concentration, rainfall intensity, area-averaged loss rate, catchment area, and peak flow rate for stream #1 while T_2, I_2, Fm_2, A_2 and Q_2 correspond to stream #2. Also, let Q_1 be less than Q_2. Finally, let T_p, A_p, and Q_p be the resulting confluence estimates for Tc, area, and peak flow rate, respectively.

T_1 is less than T_2.

$A_p = A_1 + A_2$.

$$Q_p = Q_2 + \frac{(I_2 - Fm_1)}{(I_1 - Fm_1)} Q_1$$


PROJECT SITE
TENNESSE LANE
YUCAIPA BLVD
YUCAIPA BLVD
AVE D
AVE E
11TH ST
10TH ST
13TH ST
12TH ST
10
OAK GLEN RD
VICINITY MAP
NOT TO SCALE



LEGEND

BASIN NUMBER	E-#
AREA LIMITS	
DRAINAGE FLOW PATH	
BUILDING AREA	
PAVEMENT AREA	
PERVIOUS AREA	

DRAINAGE BASIN DATA

BASIN #	AREA (AC)	Fm (IN/HR)	T_c (MINS)	I_{100} (IN/HR)	Q_{100} (CFS)
E-1	6.65	0.41	17.0	2.65	13.40
-	-	-	-	-	-

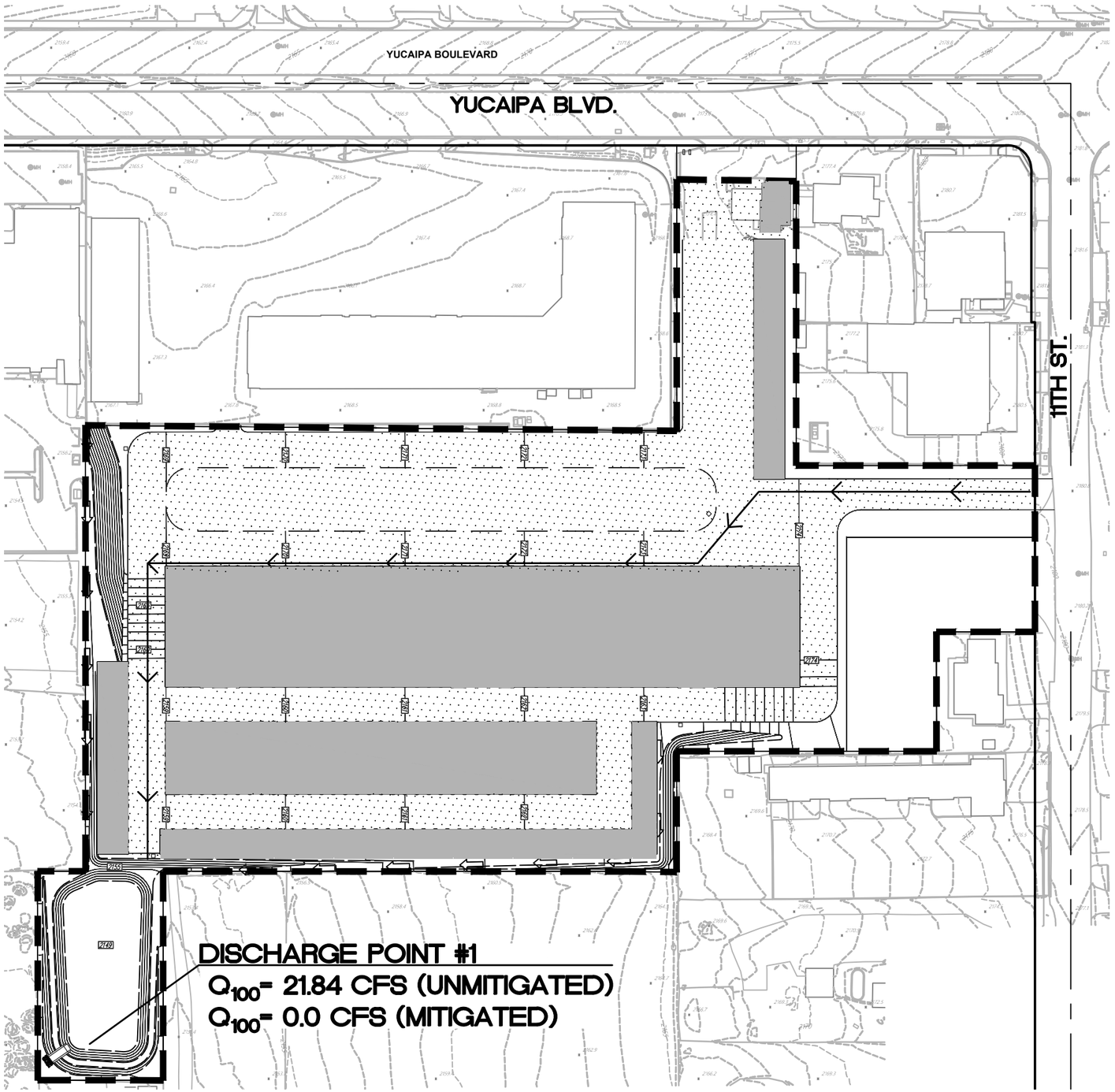
U-STOR-IT YUCAIPA EXISTING HYDROLOGY EXHIBIT

GRAPHICAL SCALE: 1" = 100'

0 50 100 200

OMEGA

EX. HYDROLOGY EXHIBIT



LEGEND

BASIN NUMBER ..... P-#

AREA LIMITS .....

DRAINAGE FLOW PATH .....

BUILDING AREA .....

PAVEMENT AREA .....

PERVIOUS AREA .....

DRAINAGE BASIN DATA

BASIN #	AREA (AC)	Fm (IN/HR)	T_c (MINS)	I_{100} (IN/HR)	Q_{100} (CFS)
P-1	6.65	0.10	9.5	3.75	21.84
-	-	-	-	-	-

U-STOR-IT YUCAIPA PROPOSED HYDROLOGY EXHIBIT

GRAPHICAL SCALE: 1" = 100'

0 50 100 200

OMEGA

PROP. HYDROLOGY EXHIBIT

INFILTRATION BASIN DETAIL

U-STOR-IT YUCAIPA

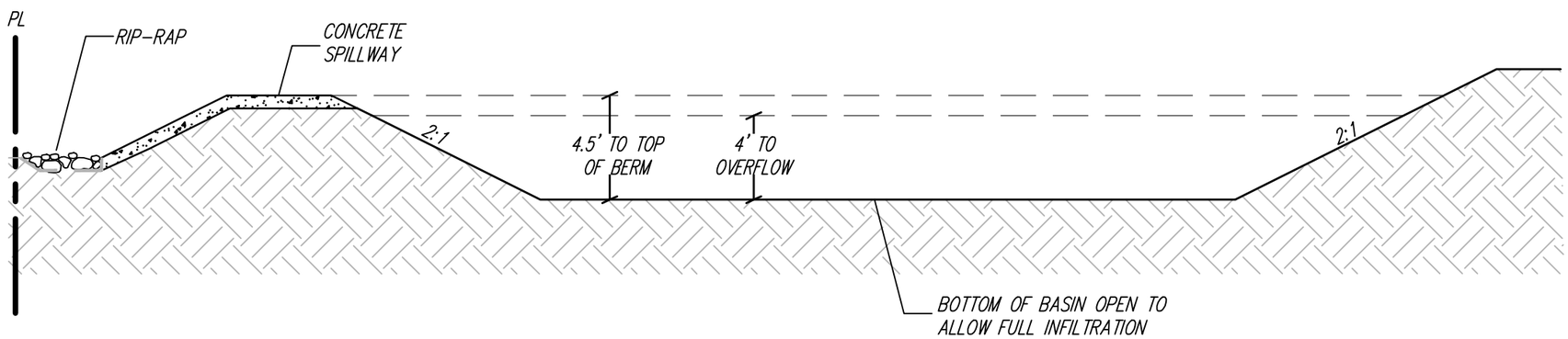
DETENTION CALCULATIONS SUMMARY

THE SMALL AREA RUNOFF HYDROGRAPH WAS DEVELOPED PER SECTION J OF THE SAN BERNARDINO HYDROLOGY MANUAL. THIS METHOD WAS USED TO DETERMINE THE REQUIRED STORAGE VOLUME FOR THE INFILTRATION BASIN TO DETAIN AND INFILTRATE ALL THE WATER IT RECEIVED WITHOUT DISCHARGING SURFACE FLOW. SEE BELOW FOR CALCULATIONS SUMMARY. THE INFILTRATION BASIN WILL PROVIDE SUFFICIENT STORAGE FOR THE 100-YEAR STORM AND HYDROMODIFICATION PURPOSES.

- REQUIRED VOLUME = 35,961 CF
- PROPOSED VOLUME = 40,227 CF

MODEL DEVELOPMENT

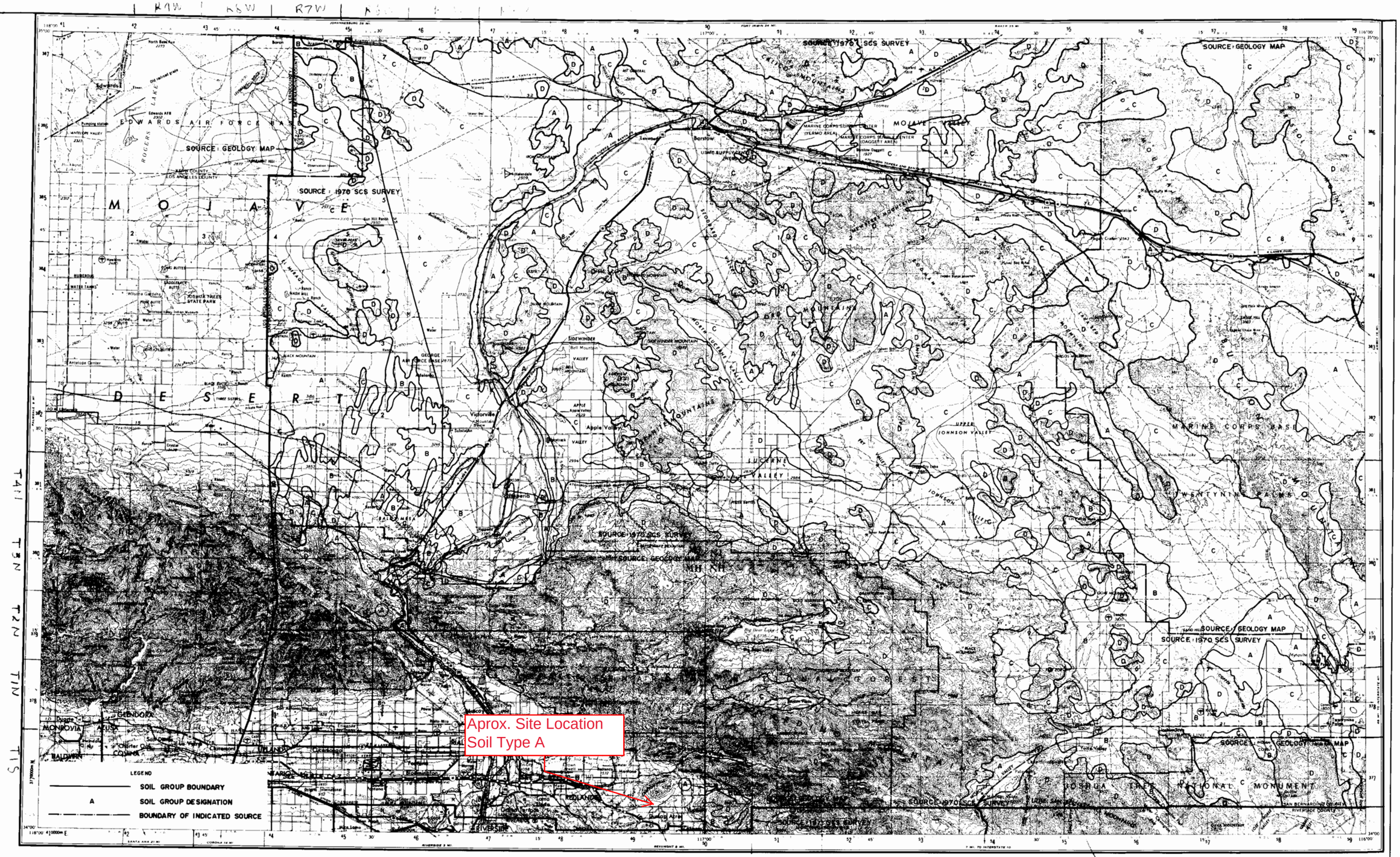
THE PROPOSED INFILTRATION BASIN WILL PROVIDE APPROXIMATELY 8,511 SF AT THE BOTTOM OF BASIN WITH 2:1 SIDE SLOPES. THE BASIN WILL PROVIDE A CONCRETE SPILLWAY FOR OVERFLOW AT 4 FEET ABOVE THE BOTTOM OF BASIN.

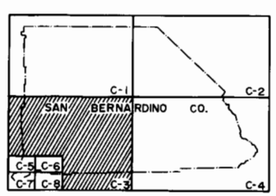


INFILTRATION BASIN SECTION

NOT TO SCALE

Appendix 1





INDEX MAP

Scale 1:250,000

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 11

1965 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 1°56' (280 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 18° (310 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

BASE MAP REPRODUCED FROM U.S.G.S. "SAN BERNARDINO" TOPOGRAPHIC MAP

SCALE REDUCED BY 1/2

LOCATION DIAGRAM

SAN BERNARDINO COUNTY
HYDROLOGY MANUAL

HYDROLOGIC SOILS GROUP MAP FOR SOUTHCENTRAL AREA

FIGURE C-11

Appendix 2

NOAA Atlas 14, Volume 6, Version 2
Location name: Yucaipa, California, USA*
Latitude: 34.0335°, Longitude: -117.0833°
Elevation: 2177.98 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.112 (0.093-0.136)	0.145 (0.121-0.176)	0.190 (0.157-0.231)	0.228 (0.188-0.280)	0.283 (0.225-0.360)	0.328 (0.255-0.426)	0.375 (0.284-0.500)	0.427 (0.314-0.585)	0.501 (0.354-0.717)	0.563 (0.384-0.835)
10-min	0.161 (0.134-0.195)	0.208 (0.173-0.253)	0.272 (0.226-0.332)	0.327 (0.269-0.402)	0.406 (0.322-0.516)	0.469 (0.365-0.610)	0.538 (0.408-0.716)	0.612 (0.451-0.839)	0.719 (0.508-1.03)	0.808 (0.551-1.20)
15-min	0.195 (0.162-0.236)	0.251 (0.209-0.305)	0.329 (0.273-0.401)	0.395 (0.325-0.486)	0.490 (0.390-0.624)	0.568 (0.441-0.738)	0.650 (0.493-0.866)	0.740 (0.545-1.01)	0.869 (0.614-1.24)	0.977 (0.666-1.45)
30-min	0.288 (0.240-0.350)	0.372 (0.309-0.452)	0.487 (0.404-0.594)	0.585 (0.481-0.719)	0.726 (0.577-0.923)	0.840 (0.653-1.09)	0.962 (0.730-1.28)	1.10 (0.807-1.50)	1.29 (0.909-1.84)	1.45 (0.985-2.14)
60-min	0.415 (0.345-0.503)	0.535 (0.445-0.651)	0.701 (0.581-0.854)	0.842 (0.692-1.03)	1.05 (0.830-1.33)	1.21 (0.940-1.57)	1.39 (1.05-1.85)	1.58 (1.16-2.16)	1.85 (1.31-2.65)	2.08 (1.42-3.08)
2-hr	0.596 (0.496-0.724)	0.764 (0.635-0.929)	0.991 (0.822-1.21)	1.18 (0.972-1.45)	1.45 (1.15-1.85)	1.67 (1.30-2.16)	1.89 (1.43-2.52)	2.13 (1.57-2.92)	2.47 (1.74-3.53)	2.74 (1.87-4.06)
3-hr	0.739 (0.615-0.897)	0.944 (0.785-1.15)	1.22 (1.01-1.49)	1.45 (1.19-1.78)	1.77 (1.41-2.25)	2.03 (1.57-2.63)	2.29 (1.74-3.05)	2.57 (1.89-3.52)	2.96 (2.09-4.24)	3.27 (2.23-4.85)
6-hr	1.07 (0.888-1.29)	1.36 (1.13-1.65)	1.75 (1.45-2.13)	2.07 (1.70-2.54)	2.52 (2.00-3.20)	2.86 (2.23-3.72)	3.22 (2.44-4.29)	3.60 (2.65-4.93)	4.12 (2.91-5.89)	4.53 (3.09-6.72)
12-hr	1.46 (1.21-1.77)	1.86 (1.55-2.26)	2.40 (1.99-2.92)	2.83 (2.33-3.48)	3.44 (2.73-4.37)	3.90 (3.03-5.07)	4.38 (3.32-5.84)	4.88 (3.59-6.69)	5.56 (3.93-7.95)	6.09 (4.15-9.03)
24-hr	1.97 (1.75-2.27)	2.54 (2.25-2.93)	3.29 (2.90-3.80)	3.90 (3.41-4.55)	4.74 (4.01-5.71)	5.39 (4.47-6.63)	6.05 (4.90-7.62)	6.74 (5.31-8.72)	7.67 (5.81-10.3)	8.41 (6.15-11.7)
2-day	2.43 (2.15-2.80)	3.17 (2.81-3.66)	4.17 (3.68-4.83)	5.00 (4.38-5.84)	6.16 (5.22-7.42)	7.06 (5.86-8.69)	8.00 (6.49-10.1)	8.99 (7.09-11.6)	10.4 (7.85-14.0)	11.5 (8.39-16.0)
3-day	2.61 (2.31-3.01)	3.46 (3.06-4.00)	4.62 (4.07-5.34)	5.59 (4.89-6.52)	6.97 (5.90-8.40)	8.07 (6.70-9.93)	9.23 (7.48-11.6)	10.5 (8.25-13.6)	12.2 (9.25-16.5)	13.6 (9.98-19.0)
4-day	2.83 (2.50-3.26)	3.77 (3.34-4.35)	5.07 (4.47-5.86)	6.17 (5.40-7.19)	7.73 (6.55-9.31)	8.99 (7.46-11.1)	10.3 (8.36-13.0)	11.7 (9.26-15.2)	13.8 (10.4-18.6)	15.4 (11.3-21.5)
7-day	3.25 (2.88-3.74)	4.35 (3.85-5.02)	5.86 (5.17-6.78)	7.14 (6.24-8.32)	8.94 (7.57-10.8)	10.4 (8.62-12.8)	11.9 (9.65-15.0)	13.5 (10.7-17.5)	15.8 (12.0-21.3)	17.7 (13.0-24.7)
10-day	3.54 (3.13-4.08)	4.76 (4.21-5.49)	6.41 (5.65-7.41)	7.80 (6.83-9.10)	9.77 (8.28-11.8)	11.3 (9.42-14.0)	13.0 (10.5-16.4)	14.8 (11.6-19.1)	17.3 (13.1-23.3)	19.3 (14.1-26.9)
20-day	4.38 (3.88-5.04)	5.92 (5.23-6.83)	8.00 (7.06-9.26)	9.76 (8.54-11.4)	12.2 (10.4-14.7)	14.2 (11.8-17.5)	16.3 (13.2-20.5)	18.5 (14.6-23.9)	21.6 (16.3-29.1)	24.1 (17.6-33.5)
30-day	5.19 (4.59-5.98)	7.02 (6.21-8.10)	9.50 (8.38-11.0)	11.6 (10.1-13.5)	14.5 (12.3-17.5)	16.9 (14.0-20.8)	19.3 (15.7-24.4)	22.0 (17.3-28.4)	25.6 (19.4-34.6)	28.6 (20.9-39.9)
45-day	6.23 (5.52-7.18)	8.41 (7.44-9.71)	11.4 (10.0-13.2)	13.9 (12.1-16.2)	17.4 (14.7-20.9)	20.2 (16.7-24.8)	23.1 (18.7-29.1)	26.2 (20.7-33.9)	30.6 (23.2-41.3)	34.1 (25.0-47.6)
60-day	7.27 (6.44-8.38)	9.76 (8.64-11.3)	13.1 (11.6-15.2)	16.0 (14.0-18.7)	20.0 (16.9-24.1)	23.2 (19.3-28.5)	26.6 (21.5-33.5)	30.1 (23.8-39.0)	35.2 (26.6-47.4)	39.2 (28.7-54.7)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

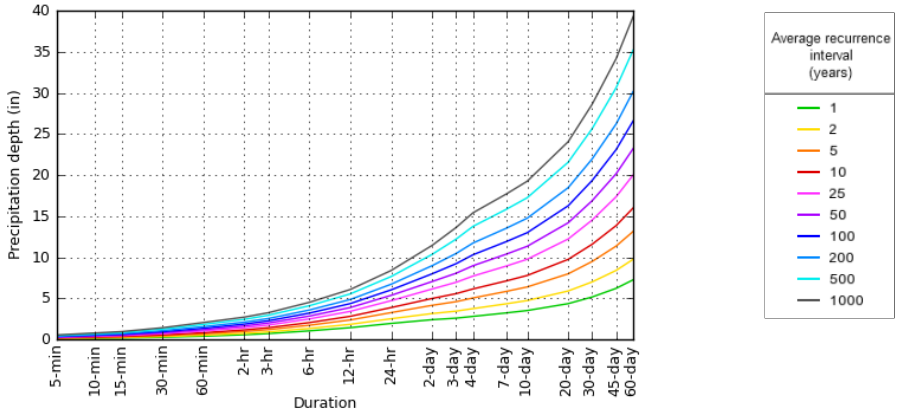
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

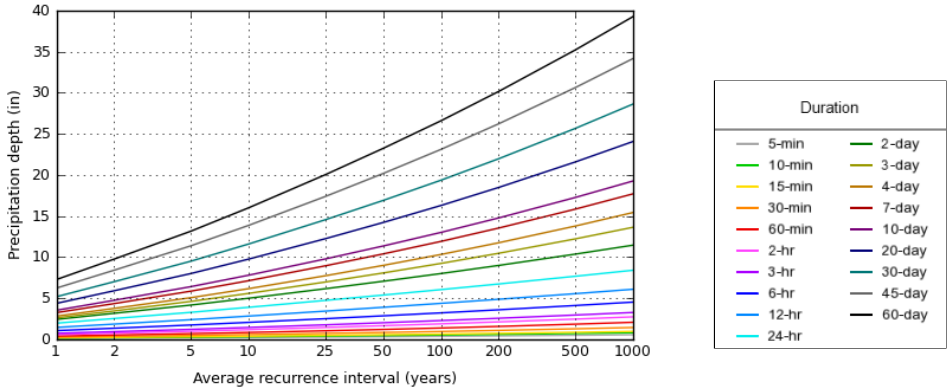
Please refer to NOAA Atlas 14 document for more information.

Back to Top

PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 34.0335°, Longitude: -117.0833°



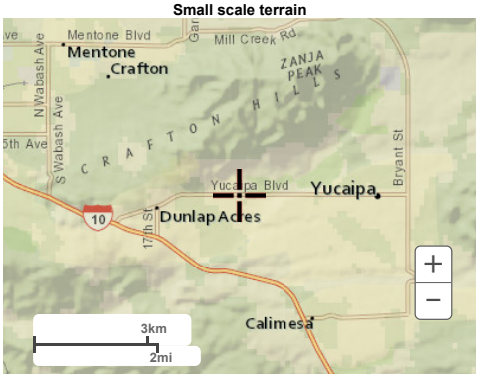


NOAA Atlas 14, Volume 6, Version 2 Created (GMT): Wed Nov 10 17:02:34 2021

Back to Top

Maps & aerials

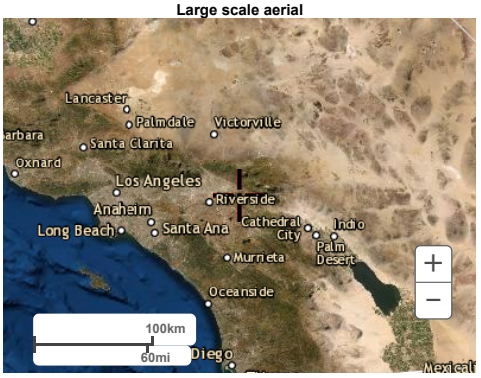
Small scale terrain



Large scale terrain

Large scale map

Large scale aerial

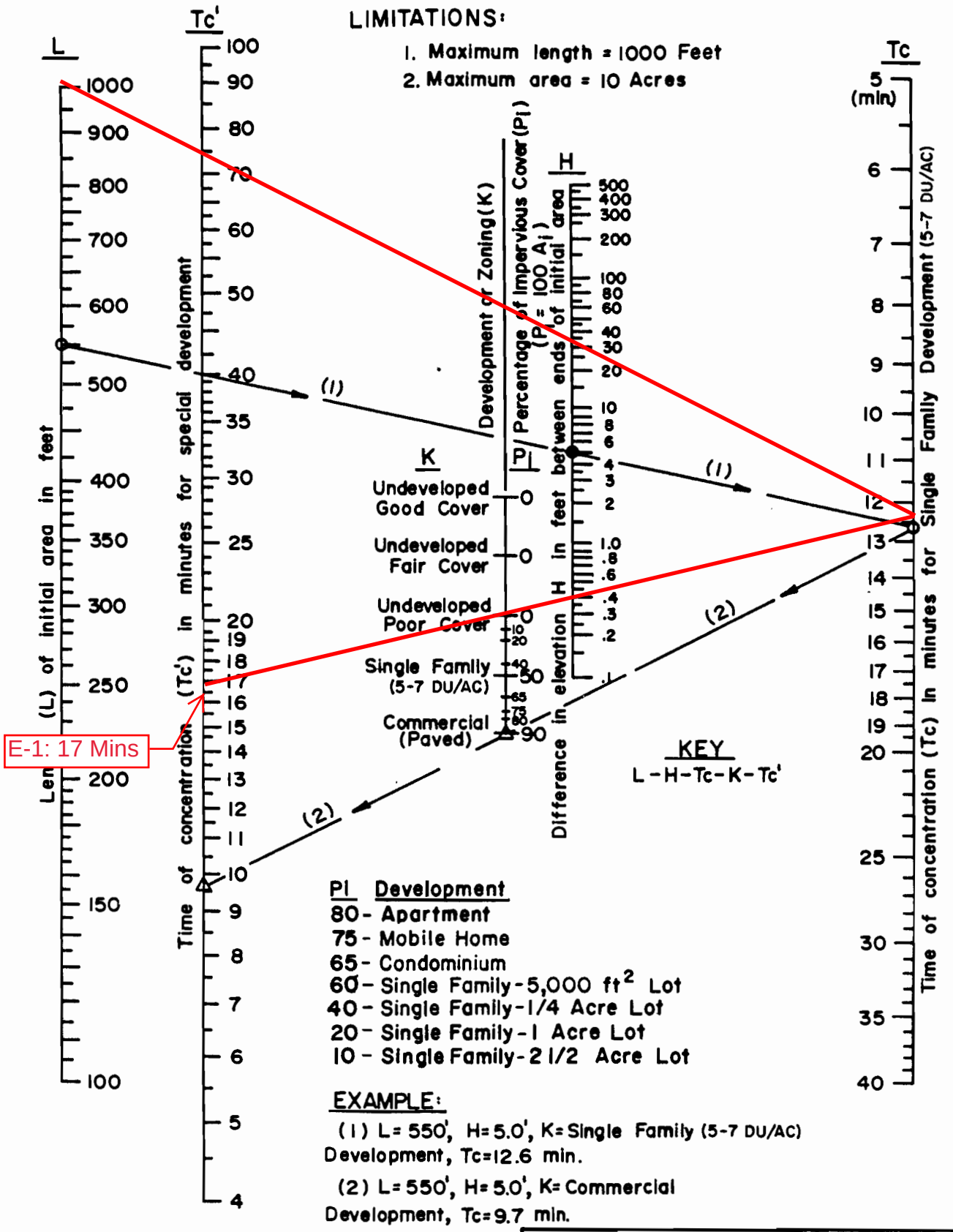


Back to Top

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

Appendix 3



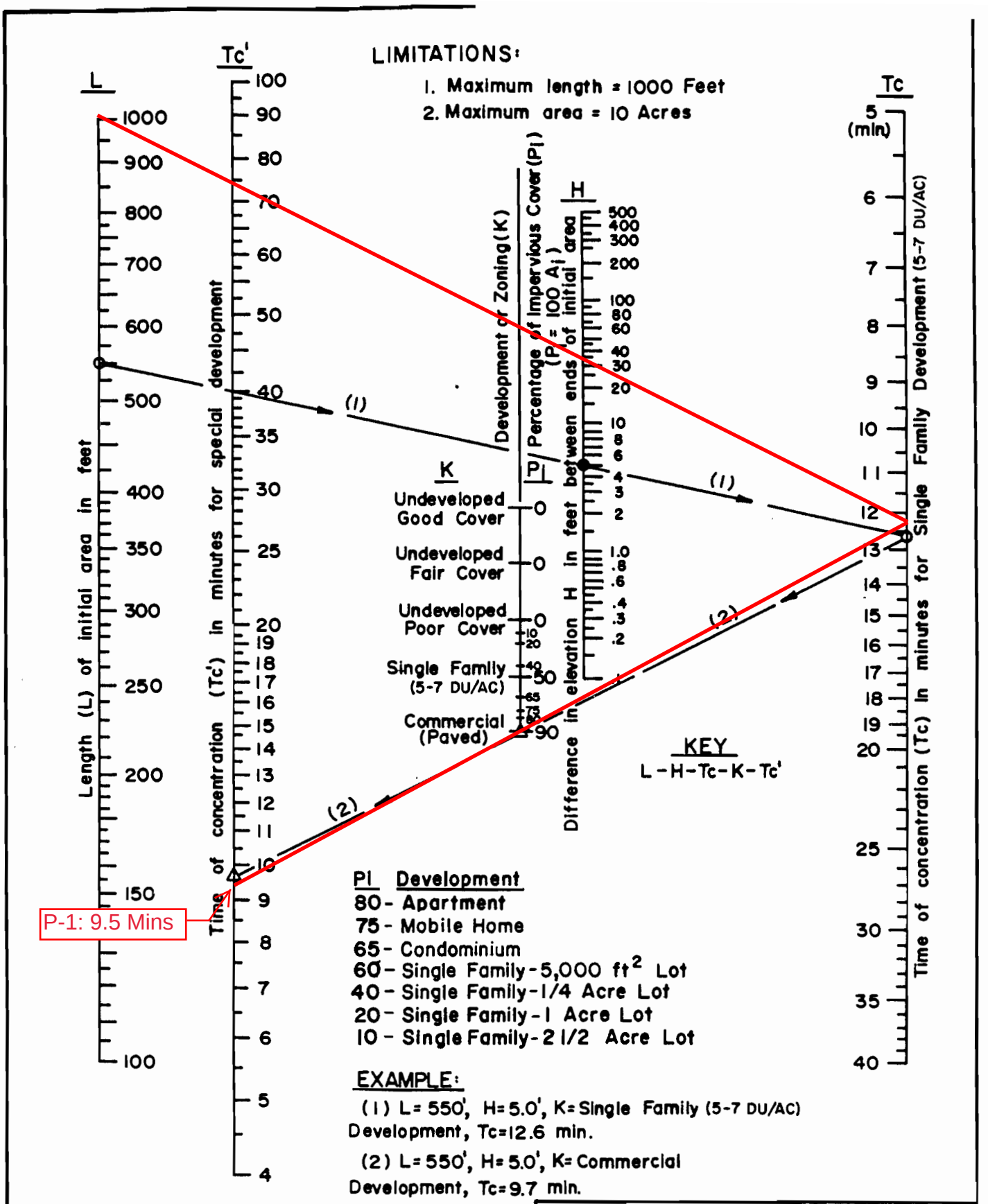
SAN BERNARDINO COUNTY

HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

Existing Conditions



SAN BERNARDINO COUNTY
HYDROLOGY MANUAL

TIME OF CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA

Figure D-1

Proposed Conditions

Appendix 4

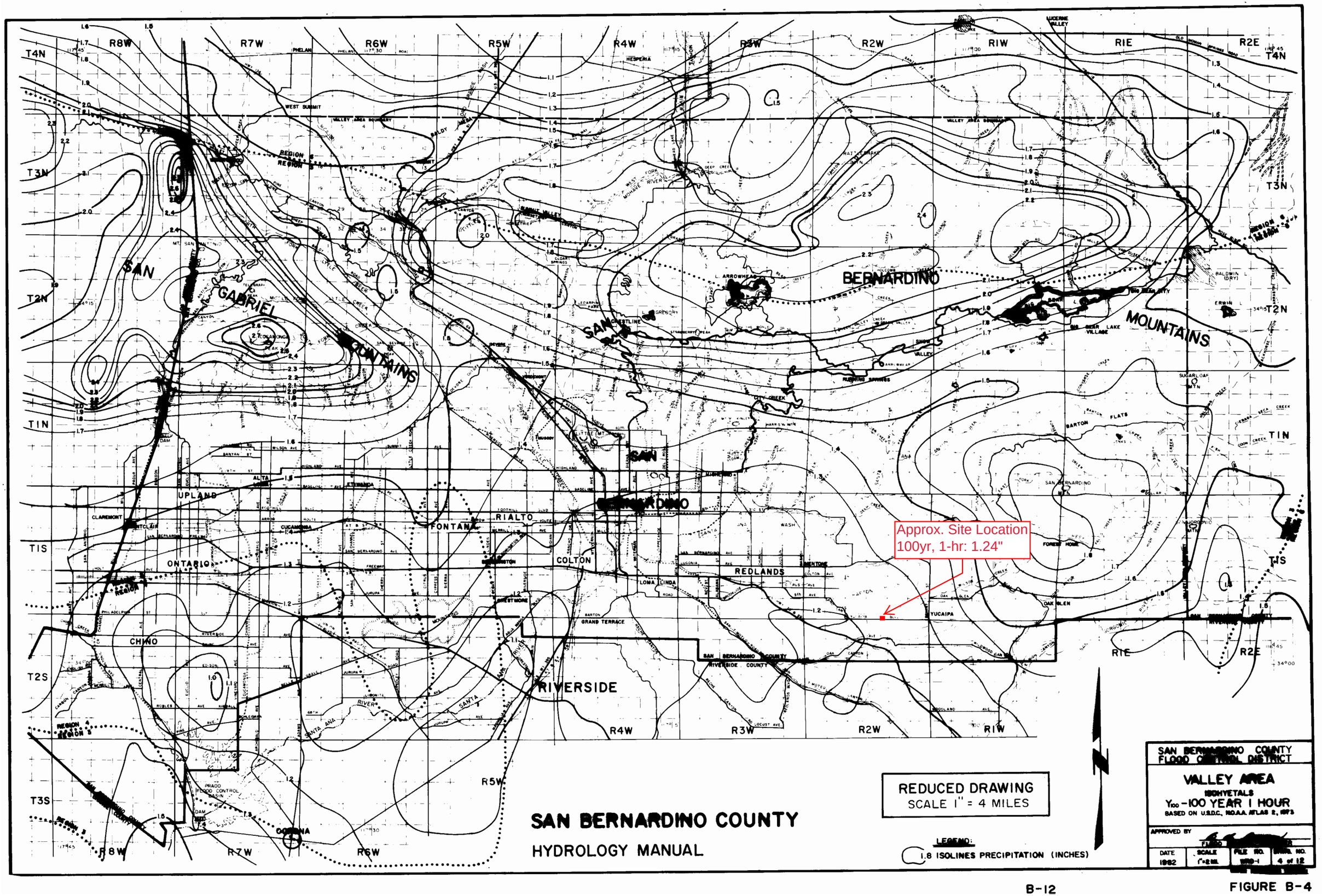
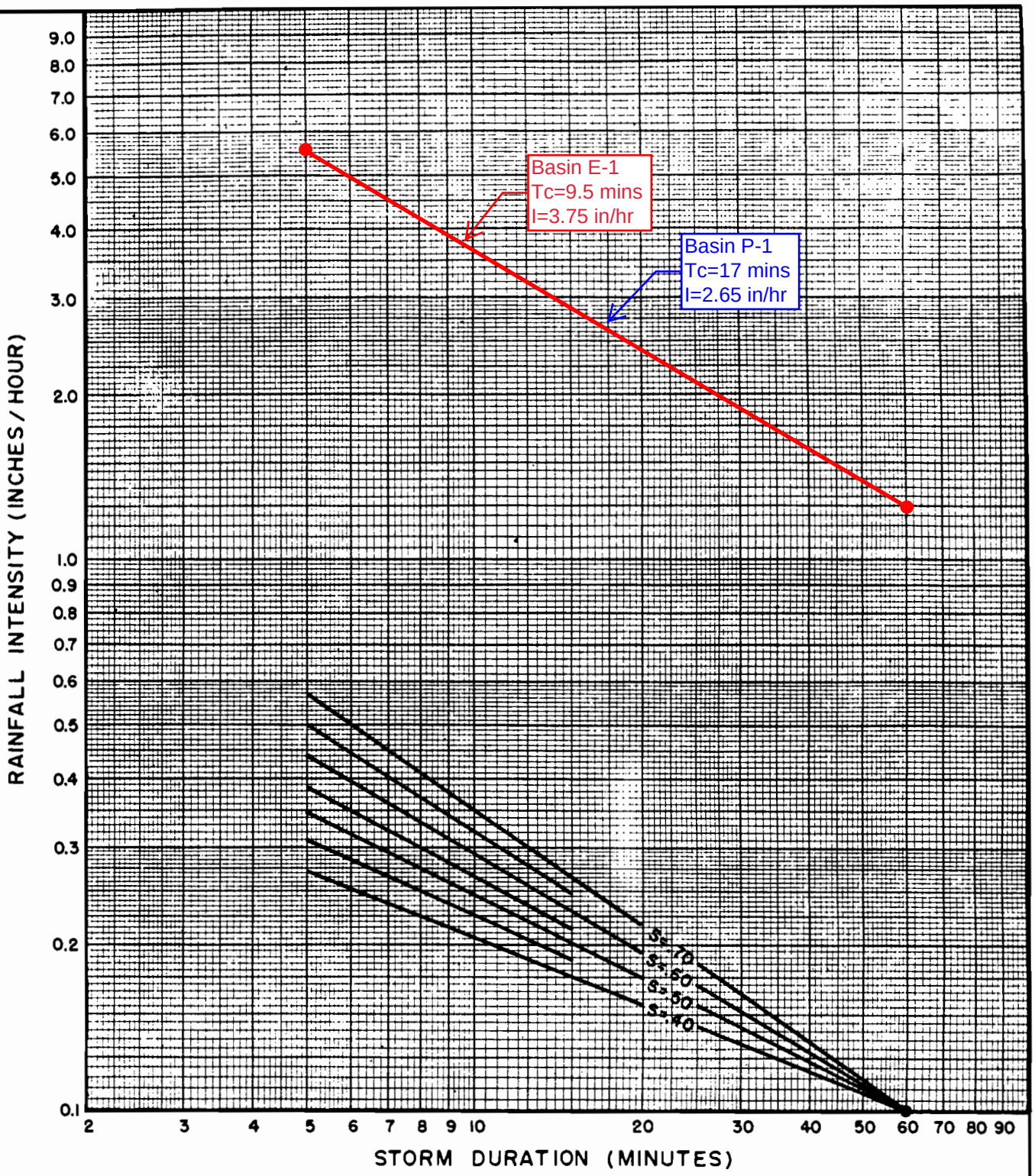

SAN BERNARDINO COUNTY
HYDROLOGY MANUAL
REDUCED DRAWING
SCALE 1" = 4 MILES
LEGEND:
1.8 ISOLINES PRECIPITATION (INCHES)
Approx. Site Location
100yr, 1-hr: 1.24"
SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
VALLEY AREA
ISOHYETALS
Y100 -100 YEAR 1 HOUR
BASED ON U.S.D.C., NOAA ATLAS 2, 1973
APPROVED BY
DATE
1982
SCALE
1"=2 MI.
FILE NO.
SHEET NO.
4 of 12
SAN GABRIEL MOUNTAINS
SAN BERNARDINO MOUNTAINS
UPLAND
ONTARIO
CHINO
CLAREMONT
FONTANA
RIALTO
COLTON
REDLANDS
LOMA LINDA
YUCAIPA
RIVERSIDE
GRAND TERRACE
CRESTLINE
LAKE ARROWHEAD
BIG BEAR LAKE
SAN BERNARDINO COUNTY
RIVERSIDE COUNTY
R8W
R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E
T4N
T3N
T2N
T1N
T1S
T2S
T3S

FIGURE B-4



DESIGN STORM FREQUENCY = 100 YEARS

ONE HOUR POINT RAINFALL = 1.24 INCHES

LOG-LOG SLOPE = 0.60

PROJECT LOCATION = Yucaipa

SAN BERNARDINO COUNTY

HYDROLOGY MANUAL

INTENSITY - DURATION CURVES CALCULATION SHEET

FIGURE D-3

Appendix 5

TABLE C.2. Fm (in/hr) VALUES
FOR TYPICAL COVER TYPES

COVER TYPE	SOIL GROUP				
	A_p(1)	A	B	C	D
NATURAL:					
Barren	1.0	0.41	0.27	0.18	0.14
Row Crops (good)	1.0	0.59	0.41	0.29	0.22
Grass (fair)	1.0	0.82	0.56	0.40	0.31
Orchards (fair)	1.0	0.88	0.62	0.43	0.34
Woodland (fair)	1.0	0.95	0.69	0.50	0.40
URBAN:					
Residential (1 DU/AC)	0.80	0.78	0.60	0.45	0.37
Residential (2 DU/AC)	0.70	0.68	0.53	0.39	0.32
Residential (4 DU/AC)	0.60	0.58	0.45	0.34	0.28
Residential (10 DU/AC)	0.40	0.39	0.30	0.22	0.18
Condominium	0.35	0.34	0.26	0.20	0.16
Mobile Home Park	0.25	0.24	0.19	0.14	0.12
Apartments	0.20	0.19	0.15	0.11	0.09
Commercial/Industrial	0.10	0.10	0.08	0.06	0.05

Existing pervious cover

Proposed pervious cover

Proposed Impervious cover

NOTES:

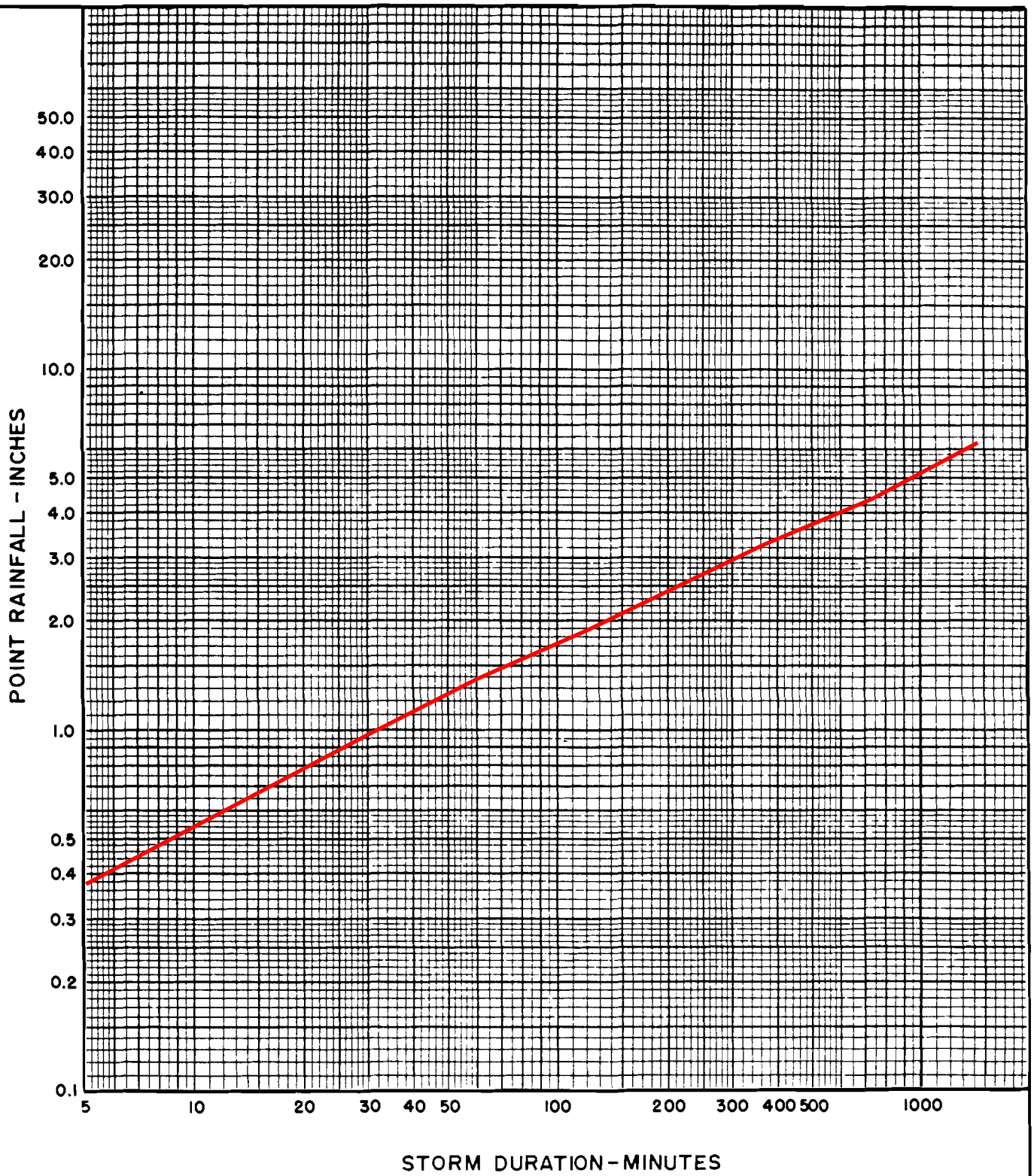
(1) Recommended a_p values from Figure C-4

(2) AMC II assumed for all Fm values

(3) CN values obtained from Figure C-3

(4) DU/AC=dwelling unit per acre

Appendix 6



PROJECT LOCATION 11th St. (Vacant Lot), Yucaipa, CA 92399

NOTES

SAN BERNARDINO COUNTY

HYDROLOGY MANUAL

AREA - AVERAGED MASS RAINFALL PLOTTING SHEET

FIGURE E-8

PHASE I AND II ENVIRONMENTAL SITE ASSESSMENT REPORT

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

GEOCON

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

CHICAGO CAPITAL FUNDS, LLC
SAN DIEGO, CALIFORNIA

SEPTEMBER 23, 2021
PROJECT NO. G2806-62-01

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS

Project No. G2806-62-01
September 23, 2021

Chicago Capital Funds, LLC
501 West Broadway, Suite 2020
San Diego, California 92101

Attention: Peter Nora

Subject: PHASE I AND II ENVIRONMENTAL SITE ASSESSMENT REPORT
32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

Dear Mr. Nora:

In accordance with your request and our Proposal No. LE-21407 dated August 23, 2021, and subsequent change order request dated September 22, 2021, we have performed a Phase I and II Environmental Site Assessment (ESA) of the property at 32999, 33063 and 33081 Yucaipa Boulevard (the Site) in Yucaipa, California.

We performed the Phase I ESA to provide information regarding the potential for existing hazardous substances and/or petroleum product impacts at the Site as part of Chicago Capital Funds, LLC due diligence prior to purchasing the Site. Based on the findings of our Phase I ESA, we also performed a Phase II ESA to assess the potential presence of pesticides and arsenic (commonly associated with pesticides) in soil at the Site. The accompanying report presents the details of our Phase I and II ESA.

We appreciate the opportunity to have performed this assessment for Chicago Capital Funds, LLC. Please contact us if you have any questions concerning this report or if we may be of further service.

Very truly yours,

GEOCON INCORPORATED

Cole Mikesell

Cole E. Mikesell
Staff Geologist

Troy K. Reist

Troy K. Reist, CEG
Senior Geologist

CEM:TKR:am

(e-mail) Addressee

TABLE OF CONTENTS

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT Page

1. INTRODUCTION 1
   1.1 Purpose and Objectives 1
   1.2 Scope of Services 2
   1.3 Report Limitations 3
   1.4 Data Gaps 3

2. SITE DESCRIPTION 4
   2.1 Location and Legal Description 4
   2.2 Site and Vicinity General Characteristics 4
      2.2.1 Topography 4
      2.2.2 Geologic and Soil Conditions 4
      2.2.3 Hydrologic and Hydrogeologic Conditions 5
   2.3 Current and Planned Uses of the Site 5
   2.4 Descriptions of Structures, Roads, Other Improvements on the Site 6
   2.5 Current Uses of Adjoining Properties 6

3. USER–PROVIDED INFORMATION 6
   3.1 Title, Appraisal and Sale Agreement Records 6
   3.2 Environmental Liens or Activity and Use Limitations 6
   3.3 Specialized Knowledge 6
   3.4 Commonly Known or Reasonably Ascertainable Information 6
   3.5 Owner, Property Manager, and Occupant Information 6
   3.6 Valuation Reduction for Environmental Issues 7
   3.7 Reason for Performing the Phase I ESA 7

4. RECORDS REVIEW 7
   4.1 Standard Environmental Record Sources 7
      4.1.1 Site 8
      4.1.2 Offsite Properties 8
      4.1.3 Orphan Summary 10
   4.2 Additional Environmental Record Sources 10
      4.2.1 GeoTracker and EnviroStor Databases 10
      4.2.2 State of California Department of Conservation, Geologic Energy Management Division 11
      4.2.3 County of San Bernardino Department of Agriculture, Weights and Measures 11
      4.2.4 South Coast Air Quality Management District 11
      4.2.5 County of San Bernardino Department of Environmental Health 11
      4.2.6 Gas and Electric Company 11

5. HISTORICAL USE 11
   5.1 Aerial Photographs 12
   5.2 Topographic Maps 13
   5.3 City Directories 14

6. SITE RECONNAISSANCE 15
   6.1 Methodology and Limiting Conditions 15
   6.2 General Site Setting 15
   6.3 Onsite Survey 15
   6.4 Offsite Survey 15

TABLE OF CONTENTS (Concluded)

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT Page

7. INTERVIEWS 16

8. SUMMARY OF FINDINGS 17

9. PHASE II ESA 18
   9.1 Scope of Investigation 18
   9.2 Soil Sample Collection and Analysis 18
   9.3 Results 18

10. CONCLUSIONS AND RECOMMENDATIONS 20

11. REFERENCES 21

12. QUALIFICATIONS 22

FIGURES
1. Vicinity Map
2. Site Plan

PHOTOGRAPHS (1 through 20)

APPENDICES
A. County of San Bernardino Assessor's Parcel Map
B. Client Provided Documents and Questionnaires
C. EDR Radius Map™ Report with GeoCheck® and EDR Orphan Summary Reports
D. EDR Aerial Photo Decade Package
E. EDR Historical Topo Map Report
F. EDR-City Directory Image Report
G. Enthalpy Analytical Results – Soil

PHASE I AND II ENVIRONMENTAL SITE ASSESSMENT REPORT

1. INTRODUCTION

We have performed a Phase I and II Environmental Site Assessment (ESA) of the Yucaipa Boulevard property located at 32999, 33063 and 33081 Yucaipa Boulevard (the Site) in Yucaipa, California. Chicago Capital Funds, LLC (the Client) requested the Phase I ESA to provide information regarding the potential for existing hazardous substances and/or petroleum product impacts at the Site as part of their due diligence prior to purchasing the Site. This report describes the methodology and procedures and present the findings of the Phase I and II ESA.

1.1 Purpose and Objectives

The purpose of the Phase I ESA was to identify evidence or indications of 'recognized environmental conditions' (RECs) as defined by the American Society for Testing and Materials (ASTM) *Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Section 1.1.1 of *ASTM Designation E 1527-13* defines an REC as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to 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. De minimis conditions are not recognized environmental conditions." De minimis conditions are those that generally do not present a threat to human health or the environment and that generally would not be the subject of enforcement action if brought to the attention of appropriate governmental agencies.

ASTM *Designation E 1527-13* also defines 'Historical' and 'Controlled' RECs. They define an 'Historical REC' (HREC) as "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted 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)." ASTM defines a 'Controlled REC' (CREC) as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." An HREC is not an REC if a property meets current standards for unrestricted residential use. A CREC remains an REC by definition when the property does not meet the unrestricted residential use requirements unconditionally.

We also conducted the Phase I ESA in general accordance with the requirements of 40 Code of Federal Regulations (CFR) Part 312 titled *Standards and Practices for All Appropriate Inquiries*, as required under Sections 101(35)(B)(ii) and (iii) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The purpose of conducting an all appropriate inquiries investigation into the previous ownership and uses of a property is to meet the provisions necessary for the landowner, contiguous property owner, and/or bona fide prospective purchaser to qualify for certain landowner liability protections under CERCLA.

The following principles are an integral part of ASTM *Designation E1527-13*:

- **"Uncertainty Not Eliminated -** No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost."

- **"Not Exhaustive -** All Appropriate Inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information."

- **"Level of Inquiry is Variable -** Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry."

1.2 Scope of Services

We performed the scope of services outlined in our Proposal No. LE-21407 dated August 23, 2021, and change order request dated September 22, 20221, with the exception that we did not review Sanborn fire insurance maps, as Environmental Data Resources, Inc. (EDR) indicated that there are none available for the Site or surrounding vicinity. The main components of the Phase I ESA and their objectives, as specified by the referenced standards, include the following:

- **Physical Setting Review:** we reviewed physical setting references for information concerning the topographic, geologic, and hydrogeologic characteristics of the Site and vicinity. Such information may be indicative of pathways (i.e., direction and/or extent) that a contaminant could migrate along in the event of a spill or release.

- **Regulatory Agency Records Review:** we reviewed publicly available Federal, State, and local regulatory agency records for information regarding the use, storage, and disposal of

hazardous substances and/or petroleum products at the Site and facilities and properties adjoining or within ¼ mile of the Site. Such records may identify RECs at or potentially affecting the Site.

- **Site History Review:** we reviewed information regarding the historical uses of the Site and adjoining and nearby facilities and properties back to the Site's and other properties' first use or 1940, whichever is earlier, that could have led to RECs on or near the Site. Historical sources reviewed included aerial photographs, topographic maps, and city directories. In addition, we conducted interviews with persons who were expected to be reasonably knowledgeable about historical and/or current conditions at and uses of the Site.

- **Site Reconnaissance:** we performed a site reconnaissance to observe site conditions and activities for evidence of RECs. The site reconnaissance was for the Site only. We viewed offsite properties and features solely from the vantage of the Site and public thoroughfares.

1.3 Report Limitations

We prepared this report exclusively for the Client. The information obtained is only relevant for the dates of the records reviewed and the latest site visit. Therefore, the information contained herein is only valid as of the date of the report and may require an update after 180 days to reflect updated records and another reconnaissance to assess current site conditions.

The Client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the site reconnaissance, information in the specified regulatory records, and information regarding the historical usage of the Site, as presented in this report. The Client should also understand that wetlands, asbestos-containing building materials, lead-containing paint, lead in drinking water, radon, mercury related to mining activities, methane, and mold surveys were not included in the scope of services for this Phase I ESA. Assessment for potential naturally occurring hazards such as asbestos and arsenic was also not included.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of this assessment is implied within this report or any subsequent reports, correspondence or consultation, either express or implied. We strived to conduct the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

1.4 Data Gaps

A data gap is defined by ASTM *Designation E 1527-13* as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." Data gaps could include such things as insufficient historical information, the inability to interview persons with direct site knowledge (e.g., the owner(s), past owner(s), tenants, workers,

etc.) or the lack of access to all parts of a site during the site reconnaissance. As indicated in Section 1.2, we did not review Sanborn fire insurance maps for the Site and surrounding vicinity because there are none for the Site and vicinity. We do not consider this a significant data gap however, because of other available historical information we reviewed.

2. SITE DESCRIPTION

This section provides information regarding the location and physical characteristics of the Site including its size, topography, geologic, soil, and hydrogeologic conditions.

2.1 Location and Legal Description

The 7.1-acre Site is located at 32999, 33063 and 33081 Yucaipa Boulevard in Yucaipa, California (Figure 1). The San Bernardino County assessor's parcel numbers (APNs) for the Site are 318-011-07, -08, -47 and -48. A copy of the parcel map is in Appendix A.

The Site is depicted in the southeastern quarter of Section 3 of Township 2 South, Range 2 West, San Bernardino Base and Meridian on the United States Geological Survey's (USGS) *Yucaipa, California,* 7.5-minute topographic map (USGS, 2015).

2.2 Site and Vicinity General Characteristics

The northeastern portion of the Site is developed with two commercial facilities operating as an Enterprise Rent-A-Car and a Best Properties Real Estate. The southern portion of the Site is undeveloped land with native vegetation. The surrounding vicinity includes commercial office and retail development, and single-family residences. Figure 2 depicts the site boundaries and features and surrounding properties. Further site description is provided in Sections 2.4 and 6.

2.2.1 Topography

The topography of the site vicinity is relatively flat. The USGS *Yucaipa, California,* 7.5-minute topographic map (USGS, 2015), depicts the elevation at the Site as approximately 2,150 to 2,180 feet above mean sea level.

2.2.2 Geologic and Soil Conditions

The Site is located in the Peninsular Ranges geomorphic province of Southern California (Norris and Webb, 1990). This geomorphic province extends approximately 900 miles from its northern terminus against the Transverse Ranges and Los Angeles Basin, south to the tip of Baja California. In general, the province is characterized by rugged mountains in Mesozoic igneous and metamorphic rocks to the

east, with a dissected coastal plain on Cenozoic sediments to the west. The Peninsular Ranges vary in width from approximately 30 to 100 miles, and are traversed fault zones trending roughly northwest-southeast.

Information concerning the surficial geologic conditions at and in proximity to the Site from the *Geologic Map of the Yucaipa 7.5' Quadrangle, San Bernardino and Riverside Counties, California* (USGS, 2003) indicates that the Site is underlain by Holocene and late-Pleistocene slightly to moderately consolidated silt, sand, and gravel.

Information concerning the soil conditions at and in proximity to the Site from the United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm) indicates that site soil is Hanford coarse sandy loam, which is well drained and has low infiltration rates.

2.2.3 Hydrologic and Hydrogeologic Conditions

Groundwater quality and occurrence information available from the California Department of Water Resources and the California State Water Resources Control Board (SWRCB) indicates that the Site is located in the Yucaipa Hydrologic Sub-Area (801.61) of the San Timoteo Hydrologic Area (801.60) of the Santa Ana River Hydrologic Unit (801.00). Groundwater in the Yucaipa Hydrologic Sub-Area has existing beneficial use designations for municipal, agricultural, and industrial supply purposes (SWRCB, 2021).

In an effort to assess local groundwater conditions, we reviewed reports available on the SWRCB's GeoTracker online database (http://geotracker.waterboards.ca.gov) for nearby facilities with a groundwater monitoring well array. Eighteen groundwater monitoring wells were installed on the northwestern portion of the Site in 2000 related to assessment of County of San Bernardino Department of Environmental Health (DEH) Leaking Underground Storage Tank (LUST) case #93042. The depth to groundwater within these wells was reported to be between approximately 230 and 310 feet with groundwater flow towards the southwest.

2.3 Current and Planned Uses of the Site

The majority of the Site is not currently used for any specific purpose aside from the two commercial facilities on the northeastern portion of the Site. The Client reported that they plan to develop the majority of the Site for commercial use. Further description of the Site is provided in Section 6.

2.4 Descriptions of Structures, Roads, Other Improvements on the Site

The northeastern portion of the Site is improved with two commercial office buildings and asphalt concrete parking lots. Further description of the Site is provided in Section 6.3.

2.5 Current Uses of Adjoining Properties

Current uses of adjoining properties are primarily commercial and residential. Further information regarding adjoining properties is provided in Section 6.4.

3. USER–PROVIDED INFORMATION

This section summarizes site information provided by the Client – the "user" of this Phase I ESA. Also provided are responses to inquiries to the Client via a "user" questionnaire for information pertaining to the Site. Peter Nora with Chicago Capital Funds, LLC completed the questionnaire (Appendix B).

3.1 Title, Appraisal and Sale Agreement Records

Mr. Nora did not provide a title, appraisal or sales agreement.

3.2 Environmental Liens or Activity and Use Limitations

Mr. Nora indicated that he has no knowledge of environmental liens on or activity and use limitations for the Site.

3.3 Specialized Knowledge

Mr. Nora indicated he has no specialized knowledge of the Site except that it is vacant land and a realty.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Nora indicated he is not aware of commonly known or reasonably ascertainable information pertaining to the Site other than that the vacant portions of the Site are being sold by the estate, other portions are a Realty Office and an Enterprise Car Rental.

3.5 Owner, Property Manager, and Occupant Information

Mr. Nora indicated the Site is owner operated.

3.6 Valuation Reduction for Environmental Issues

According to Mr. Nora, the monetary value of the Site has not been reduced due to environmental issues.

3.7 Reason for Performing the Phase I ESA

The Phase I ESA was requested to provide information regarding the potential for existing hazardous substance and/or petroleum product impacts at the Site for pre-acquisition due diligence purposes.

4. RECORDS REVIEW

This section summarizes information we obtained from readily available agency records for the Site and properties and facilities in the surrounding vicinity.

4.1 Standard Environmental Record Sources

EDR searched federal, state, and local databases regarding the use, storage, disposal, or release of hazardous substances and/or petroleum products for the Site and area within one mile of the Site. The databases that list the Site and/or properties/facilities within one mile of the Site and the number of properties/facilities listed are summarized in the table below. A copy of *The EDR Radius Map™ Report with GeoCheck*, dated August 27, 2021, is in Appendix C.

Database Name	Search Radius (Mile)	Number of Listings
FEDERAL DATABASES		
RCRA-LQG (Resource Conservation and Recovery Act - Large Quantity Generators)	¼	1
RCRA-SQG (Small Quantity Generators)	¼	1
STATE AND LOCAL DATABASES		
CA ENVIROSTOR (Department of Toxic Substance Control Database)	1	2
LUST (Leaking Underground Storage Tanks)	½	1
CERS HAZ WASTE	¼	3
SWRCY (Solid Waste Recycling Facilities)	½	0
RCRA-NonGen (Resource Conservation and Recovery Act – Non-Generators)	½	3
CORTESE	½	1
HIST CORTESE	½	1
San Bern. Co. Permit	¼	6
EDR HIGH RISK HISTORICAL DATABASES AND EDR RECOVERED GOVERNMENT ARCHIVES		
EDR Historical Auto Stations	¼	1

4.1.1 Site

The Site is not listed on any of the databases searched by EDR.

4.1.2 Offsite Properties

The following table summarizes information provided by various databases and presented in EDR's report for listed properties/facilities located less than ⅛ mile (or ¼ mile for LUST facilities) from the Site, their status, and their potential, if any, to cause (or have caused) an REC at the Site. Information for properties/facilities in excess of ⅛ mile (or ¼ mile for LUST facilities) of the Site is not included in the table. Distances reported by EDR may differ from actual distances.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Yucaipa Auto Electric 12118 11th Street	56 feet east-northeast Upgradient	HWTS RCRA-LQG CERA HAZ WASTE FINDS ECHO HAZNET SAN BERN. CO. PERMIT CERS	These listings provide information pertaining to this facility being operated as an auto shop, such as it being classified as a Large Quality Generator of hazardous waste. The CERS and HAZNET listings provide information pertaining to hazardous wastes stored and generated at this facility including unspecified organic liquid, organic solids, aqueous solutions with total organic residues less than 10%, and unspecified solvent mixtures. The CERS listing also provides information about violations on permits held by this facility, all of which are administrative in nature. The lack of inclusion on any release-related databases[1] indicate that this facility is unlikely to have caused an REC at the Site.
Exxcel Motor Sports 33109 Yucaipa Blvd	212 feet east-northeast Upgradient	SAN BERN. CO. PERMIT	These listings provide information on inactive permits for this facility relating to handling hazardous materials and generating hazardous waste. No other pertinent information is provided. The lack of inclusion on any release-related databases[1] indicate that this facility is unlikely to have caused an REC at the Site.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Pep Boys Store 33133 Yucaipa Blvd	328 feet east northeast Upgradient	RCRA NonGen / NLR HWTS CERS HAZ WASTE HAZNET SAN BERN. CO. PERMIT CERS	These listings provide information pertaining to this facility being operated as an auto store, such as it being classified as a handler of hazardous waste but not a generator. The CERS and HAZNET listings provide information pertaining to hazardous wastes stored and generated at this facility including unspecified oil-containing waste, unspecified solvent mixture, other inorganic solid waste, and oil/waster separation sludge. The CERS listing also provides information about violations on permits held by this facility, all of which are administrative in nature. The lack of inclusion on any release-related databases[1] indicate that this facility is unlikely to have caused an REC at the Site.
Erminia Depaz 12192 12th Street	518 feet west Downgradient	RCRA NonGen / NLR	No significant information is provided in the database. The downgradient location and lack of inclusion on any release-related databases [1] suggest that this facility is unlikely to have caused an REC at the Site.
Ark Engineering 12108 12th Street	566 feet northwest Cross-gradient	SAN BERN. CO. PERMIT CERS	The SAN BERN. CO. PERMIT listing is in reference to an active permit held by this facility dealing with "hazardous materials 1-3 chemicals special". The CERS listing provides information on violations at this facility all of which are administrative in nature. The cross-gradient location, distance from the Site and the lack of inclusion on any release-related databases[1] indicate that this facility is unlikely to have caused an REC at the Site.
Lines Auto Body / Brainard James H. 32895 Yucaipa Blvd	595 feet northwest Cross-gradient	RCRA-SQG FINDS ECHO EDR HIST AUTO	The EDR HIST AUTO database lists this facility as being an automotive shop and gas station from the years 1969 to 1975. No other significant information is provided. The cross-gradient location, distance from the Site and lack of inclusion on any release-related databases [1] suggests that this facility is unlikely to have caused an REC at the Site.

Property Name and Address	Approximate Distance, Direction, and Hydraulic Gradient Position	Databases	Pertinent Information
Yucaipa High School 33000 Yucaipa Blvd	669 feet northwest Cross-gradient	RCRA NonGen / NLR CERS HAZ WASTE CHMIRS NPDES SAN BERN. CO. PERMIT CERS	The CHMIRS database provides information on a spill that occurred at this facility in 2002 when a Pepsi Bottling truck valve malfunctioned and spilled 5 gallons of motor oil. The CERS listings provide information on violations at this facility all of which are administrative in nature. The cross-gradient location, distance from the Site and the lack of inclusion on any release-related databases[1] indicate that this facility is unlikely to have caused an REC at the Site.
Old Buses 32817 Avenue D	1,092 feet southwest Downgradient	SAN BERN. CO. PERMIT	No significant information is provided in the database. The downgradient location, distance from the Site and lack of inclusion on any release-related databases [1] suggest that this facility is unlikely to have caused an REC at the Site.

[1] "Release" refers to an unauthorized release of a petroleum product or hazardous substance to the environment - i.e. the ground surface, soil, soil vapor, groundwater, or surface water on a property. "Release-related database" refers to those which provide information regarding an unauthorized release. "Non-release-related database" refers to those that may report use, storage, or disposal of hazardous substances and/or petroleum products or other environmental conditions, but do not report releases of such.

4.1.3 Orphan Summary

EDR's Orphan Summary identifies properties with incomplete address information and therefore cannot be accurately plotted. Twenty-one properties are listed but because none are listed on any release-related databases[1] they are not suspected of having caused an REC at the Site.

4.2 Additional Environmental Record Sources

This section summarizes information from additional, readily available environmental record sources regarding the Site and properties/facilities within one mile from the Site.

4.2.1 GeoTracker and EnviroStor Databases

We reviewed GeoTracker and the California Department of Toxic Substance Control's (DTSC) EnviroStor (http://www.envirostor.dtsc.ca.gov/public/) online databases for information regarding the

Site and nearby properties/facilities that are within ¼ mile of the Site. GeoTracker and EnviroStor do not have information pertaining to the Site or any properties/facilities within ¼ mile of the Site.

4.2.2 State of California Department of Conservation, Geologic Energy Management Division

We reviewed the California Geologic Energy Management Division (CalGem) website (https://maps.conservation.ca.gov/doggr/wellfinder) to evaluate the potential for existing/former oil, gas, or geothermal wells on the Site or properties proximal to the Site. CalGem information indicates that no former or current wells are or were located within one mile of the Site.

4.2.3 County of San Bernardino Department of Agriculture, Weights and Measures

We submitted a request to the County of San Bernardino, Department of Agriculture, Weights and Measures (DAWM), Pesticide Use Enforcement Division regarding possible use of restricted pesticides/herbicides at the Site. That office maintains such records for approximately 4 years. The DAWM indicated that no record of restricted pesticide/herbicide use was reported for the site APNs for the period of 2016 through 2021.

4.2.4 South Coast Air Quality Management District

We submitted a request to the South Coast Air Quality Management District (SCAQMD) for records pertaining to the Site. The SCAQMD indicated that no records are on file for the site APNs.

4.2.5 County of San Bernardino Department of Environmental Health

We submitted a request to the San Bernardino DEH for records pertaining to the Site. The San Bernardino DEH indicated that no records are on file for the site APNs.

4.2.6 Gas and Electric Company

No transformers were observed onsite or were likely on the Site previously.

5. HISTORICAL USE

This section summarizes information obtained from a variety of sources regarding the historical uses of the Site in an effort to identify those uses that could have led to RECs. The sources of information included historical aerial photographs, historical topographic maps, and an abstract of city directories provided by EDR.

5.1 Aerial Photographs

We reviewed historical aerial photographs for the years 1938, 1949, 1953, 1959, 1961, 1967, 1975, 1978, 1985, 1989, 1995, 2002, 2006, 2009, 2012 and 2016 (Appendix D) for indications of past land uses that had the potential to have impacted the Site through the use, storage or disposal of hazardous substances and/or petroleum products. The following table summarizes our observations of the Site and adjacent properties.

Year	Observations	
	Site	**Adjacent Properties**
1938 (1" = 500')	The Site appears to have been agricultural land.	Adjacent properties appear to have been agricultural land.
1949 (1" = 500')	Conditions appear to have been similar to those observed on the 1938 aerial photograph with the exception that three structures appear to be present in the northeastern portion of the Site and agricultural use appears to be decreasing.	Conditions appear to have been similar to those observed on the 1938 aerial photograph.
1953 (1" = 500')	Conditions appear to have been similar to those observed on the 1949 aerial photograph with the exception that two elongated structures appear to be present on the western portion of the Site and agricultural use appears to be decreasing.	Conditions appear to have been similar to those observed on the 1949 aerial photograph with the exception that the adjacent properties to the east, south, and west appear to have been developed with single-family residences.
1959 (1" = 500')	Conditions appear to have been similar to those observed on the 1953 aerial photograph.	Conditions appear to have been similar to those observed on the 1953 aerial photograph.
1961 (1" = 500')	Conditions appear to have been similar to those observed on the 1959 aerial photograph.	Conditions appear to have been similar to those observed on the 1959 aerial photograph.
1967 (1" = 500')	Conditions appear to have been similar to those observed on the 1961 aerial photograph.	Conditions appear to have been similar to those observed on the 1961 aerial photograph.
1975 (1" = 500')	Conditions appear to have been similar to those observed on the 1967 aerial photograph with the exception that the elongated structures present on the western portion of the Site are no longer present.	Conditions appear to have been similar to those observed on the 1967 aerial photograph.

Year	Observations	
	Site	**Adjacent Properties**
1978 (1” = 500’)	Conditions appear to have been similar to those observed on the 1975 aerial photograph, with the exception that all agricultural use appears to have ceased.	Conditions appear to have been similar to those observed on the 1975 aerial photograph with the exception that the property adjacent to the north appears to have been developed with a commercial-retail facility.
1985 (1” = 500’)	Conditions appear to have been similar to those observed on the 1978 aerial photograph.	Conditions appear to have been similar to those observed on the 1978 aerial photograph.
1989 (1” = 500’)	Conditions appear to have been similar to those observed on the 1985 aerial photograph.	Conditions appear to have been similar to those observed on the 1985 aerial photograph.
1995 (1” = 500’)	Conditions appear to have been similar to those observed on the 1989 aerial photograph.	Conditions appear to have been similar to those observed on the 1989 aerial photograph.
2002 (1” = 500’)	Conditions appear to have been similar to those observed on the 1995 aerial photograph.	Conditions appear to have been similar to those observed on the 1995 aerial photograph.
2006 (1” = 500’)	Conditions appear to have been similar to those observed on the 2002 aerial photograph.	Conditions appear to have been similar to those observed on the 2002 aerial photograph.
2009 (1” = 500’)	Conditions appear to have been similar to those observed on the 2006 aerial photograph.	Conditions appear to have been similar to those observed on the 2006 aerial photograph.
2012 (1” = 500’)	Conditions appear to have been similar to those observed on the 2009 aerial photograph.	Conditions appear to have been similar to those observed on the 2009 aerial photograph.
2016 (1” = 500’)	Conditions appear to have been similar to those observed on the 2012 aerial photograph.	Conditions appear to have been similar to those observed on the 2012 aerial photograph.

The past agricultural use of the Site between 1938 and 1978 suggests that pesticides may have been used on the Site. If used on the Site, persistent pesticides and associated metals could be present in soil on the Site.

5.2 Topographic Maps

We reviewed historical topographic maps for the years 1899, 1901, 1954, 1967, 1973, 1980, 1988, 1996 and 2012 (Appendix E). The following table summarizes observations of the Site and adjacent properties on the historical topographic maps.

Year	Observations	
	Site	**Adjacent Properties**
1899 (1:62,500)	No structures or land use are depicted on the Site.	No structures or land use are depicted on the adjacent properties, with the exception of a single structure adjacent to the northeast of the Site.
1901 (1:62,500)	Conditions are similar to those depicted on the 1899 topographic map.	Conditions are similar to those depicted on the 1899 topographic map.
1954 (1:24,000)	Conditions are similar to those depicted on the 1901 topographic map with the exception that two structures are depicted in the northeastern portion of the Site.	Conditions are similar to those depicted on the 1901 topographic map with the exception that structures are depicted adjacent to the north, south, east, and west of the Site. The adjacent properties to the south and north are also depicted with green dots, indicating agricultural land use.
1967 (1:24,000)	Conditions are similar to those depicted on the 1954 topographic map.	Conditions are similar to those depicted on the 1954 topographic map.
1973 (1:24,000)	Conditions are similar to those depicted on the 1967 topographic map.	Conditions are similar to those depicted on the 1967 topographic map.
1980 (1:24,000)	Conditions are similar to those depicted on the 1973 topographic map.	Conditions are similar to those depicted on the 1973 topographic map.
1988 (1:24,000)	Conditions are similar to those depicted on the 1980 topographic map.	Conditions are similar to those depicted on the 1980 topographic map with the exception that a commercial-retail structure is now depicted adjacent to the north of the Site.
1996 (1:24,000)	Conditions are similar to those depicted on the 1988 topographic map.	Conditions are similar to those depicted on the 1988 topographic map.
2012 (1:24,000)	No shading or structures are depicted.	No shading or structures are depicted.

Depiction of past agricultural use of the Site suggests the potential impacts described in Section 5.2.

5.3 City Directories

EDR prepared an abstract of city directories including city, cross-reference, and telephone directories summarized in the *EDR-City Directory Image Report* dated September 1, 2021. The directories were reviewed at approximately 5-year intervals, if available, from 1965 to 2017. A copy of the EDR city directory abstract including information regarding offsite facilities is in Appendix F. The city directory lists residents and businesses along Yucaipa Boulevard, none of which are suspected of having caused an REC at the Site.

6. SITE RECONNAISSANCE

This section summarizes observations of the Site and surrounding properties made during the site reconnaissance.

6.1 Methodology and Limiting Conditions

Cole E. Mikesell, Staff Geologist with Geocon, performed the site reconnaissance unaccompanied on September 2, 2021, by walking the Site. Mr. Mikesell performed the offsite survey by observing adjacent properties from the Site and adjacent public streets. Weather on the day of the site reconnaissance was clear with temperatures in the mid-80s. Photographs of various site features and offsite properties are appended. Figure 2 is a Site Plan illustrating selected site features.

6.2 General Site Setting

The Site is located in an area of predominantly commercial and retail development with nearby multi- and single-family residential.

6.3 Onsite Survey

The northeastern portion of the Site is developed with two commercial facilities operating as an Enterprise Rent-A-Car and a Best Properties Real Estate (Photographs 1 and 2). The southern approximately 6-acre portion of the Site is essentially undeveloped land with native vegetation (Photographs 3 through 13). We observed no odors, pools of liquid, significantly stained soil or distressed vegetation on the Site. We observed no evidence of RECs on the Site.

6.4 Offsite Survey

Properties within the site vicinity include:

- **North:** Yucaipa Plaza and Yucaipa Boulevard**,** beyond which is vacant land and single-family residential (Photographs 14 and 15).
- **South:** Multi-and single-family residential (Photographs 16 and 17).
- **East:** Yucaipa Auto Electric and RoadRunner Towing and Storage (Photographs 18 and 19).
- **West:** Vacant land, beyond which is residential (Photograph 20).

We observed no evidence of RECs on the surrounding properties.

7. INTERVIEWS

The current property owner, Gordon H. McDonald, reported via a site owner/occupant questionnaire (Appendix B) that the Site is vacant land. The owner/occupant questionnaire identifies no environmental concerns.

8. SUMMARY OF FINDINGS

The following table summarizes our findings and opinions regarding the Site, including known or suspect RECs, CRECs, HRECs, and de minimis environmental conditions.

Assessment Category	Observed (Y/N)	(REC/ CREC/ HREC/ DM or None)	Recommended Actions	Report Section(s)
Hazardous Substances/Petroleum Products	N	N	NFA	
Hazardous Wastes	N	N	NFA	
Non-Hazardous Wastes	N	N	NFA	
Aboveground/Underground Storage Tanks	N	N	NFA	
Unidentified Substance Containers	N	N	NFA	
Equipment Potentially Containing PCBs	N	N	NFA	
Wastewater Systems	N	N	NFA	
Evidence of Releases	N	N	NFA	
Pools of Liquid, Pits, Ponds, Lagoons	N	N	NFA	
Wells	N	N	NFA	
Other Site Issues	N	N	NFA	
Nearby Properties	N	N	NFA	
Historical Land Use – Site	**Y**	**N**	**NFA**	**5.1, 5.2, 9**
Historical Land Use – Nearby Properties	N	N	NFA	

Recommended Action:
AA = Additional action recommended.
NFA = No further action required at this time.
DM = De minimis condition where additional activities do not appear warranted at this time.

We observed no evidence of RECs or de minimis environmental conditions at the Site.

As described in Sections 5.1, 5.2, and 9, the past use of the Site as agricultural land suggests that persistent pesticides may have been used. We performed a Phase II ESA to assess the Site soil by collecting 4 soil samples from the Site and had them analyzed for pesticides and arsenic. The results of our soil investigation indicates that the Site has not been impacted by pesticides or arsenic due to the historical use as agricultural land.

9. PHASE II ESA

We performed a Phase II ESA to assess the Site for the potential presence of pesticides and arsenic in soil based on the information provided by the owner's representative.

9.1 Scope of Investigation

The scope of the Phase II ESA consisted of the following tasks:

- Retaining Enthalpy Analytical, LLC, a state-certified laboratory, to perform laboratory analysis of soil samples and planned soil sample locations;
- Collecting soil samples from the planned locations;
- Performing laboratory analysis of soil samples; and
- Preparing this report describing the assessment and its findings.

9.2 Soil Sample Collection and Analysis

On September 16, 2021, we collected 4 soil samples (S1 to S4) from the locations shown on Figure 2. We collected each sample from between the ground surface and a depth of 6 inches. The soil samples were collected using a decontaminated trowel then transferred into laboratory-provided 8-ounce jars. The jars were capped with Teflon-lined lids, labeled, and placed in a chilled cooler for transport to the laboratory under chain-of-custody protocol. The samples were analyzed for organochlorine pesticides by United States Environmental Protection Agency (USEPA) Test Method 8081A and arsenic by USEPA Test Method 6010B.

9.3 Results

A copy of the laboratory analysis report is in Appendix G and the results are summarized below.

Pesticides

Organochlorine pesticides were <u>not detected</u> at concentrations exceeding the laboratory reporting limits in the soil samples analyzed.

Arsenic

Arsenic was detected in each of the four soil samples analyzed at concentrations ranging between 1.1 and 2.0 milligrams per kilogram (mg/kg) respectively. Arsenic is a natural mineralogical component

of soil and its naturally occurring or “background” concentrations in California soils typically range from 0.6 to 12 mg/kg and much higher in some areas depending on the mineralogy of the soil’s parent material. Therefore, regulatory agencies allow comparison of arsenic concentrations in soil to naturally occurring background arsenic concentrations instead of calculated screening levels. The arsenic concentrations detected in the samples do not exceed the naturally occurring arsenic concentrations of California soils of 12 mg/kg.

10. CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I and II ESA, in general conformance with the scope and limitations of ASTM E 1527-13, of the 7.1-acre property located at 32999, 33063 and 33081 Yucaipa Boulevard in Yucaipa, California. The San Bernardino County APNs for the Site are 318-011-07, -08, -47 and -48.

This Phase I ESA identified no evidence of RECs in connection with the Site. Our subsequent Phase II ESA did not identify pesticides in soil at concentrations exceeding the laboratory reporting limits and arsenic was detected within typical background concentrations for California soils. Further investigation of site soil related to the former agricultural use does not appear warranted at this time.

If soil staining or petroleum odors are observed during grading observations, we recommend retaining Geocon to observe and possibly sample areas of potential impact to determine if further action is warranted. Although not anticipated, any undocumented subsurface structures or areas of apparent contamination encountered during site redevelopment activities including septic tanks, USTs, wells, etc. should be properly abandoned/removed in accordance with San Bernardino County regulatory requirements.

11. REFERENCES

American Society for Testing and Materials Designation E 1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, 2013.

California Department of Water Resources, Water Data Library, http://www.water.ca.gov/waterdatalibrary/, 2021.

California Division of Oil, Gas & Geothermal Resources. Website database, District 1, https://maps.conservation.ca.gov/doggr/wellfinder/#close, 2021.

California State Water Resources Control Board, GeoTracker website, http://geotracker.waterboards.ca.gov/, 2021.

California State Water Resources Control Board, San Diego Region Basin Plan website, http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/docs/update082812/Chpt_2_2012.pdf, September, 2021.

Department of Agriculture, Weights, and Measures, Jose Aguilera, electronic mail communication, August 30, 2021.

Department of Environmental Health, County of San Bernardino, personal communication, August 30, 2021.

Department of Toxic Substance Control EnviroStor website, http://www.envirostor.dtsc.ca.gov, 2021.

Norris, R. M. and Webb, R. W., *Geology of California* (2nd edn). New York: John Wiley & Sons, Inc., 1990.

South Coast Air Quality Management District, Michelle Card, electronic mail communication, September 2, 2021.

United States Geological Survey, *Geologic Map of the Yucaipa 7.5' Quadrangle, San Bernardino and Riverside Counties, California*, 2003.

United States Geological Survey, *Yucaipa, California, 7.5-minute Topographic Map*, 2015.

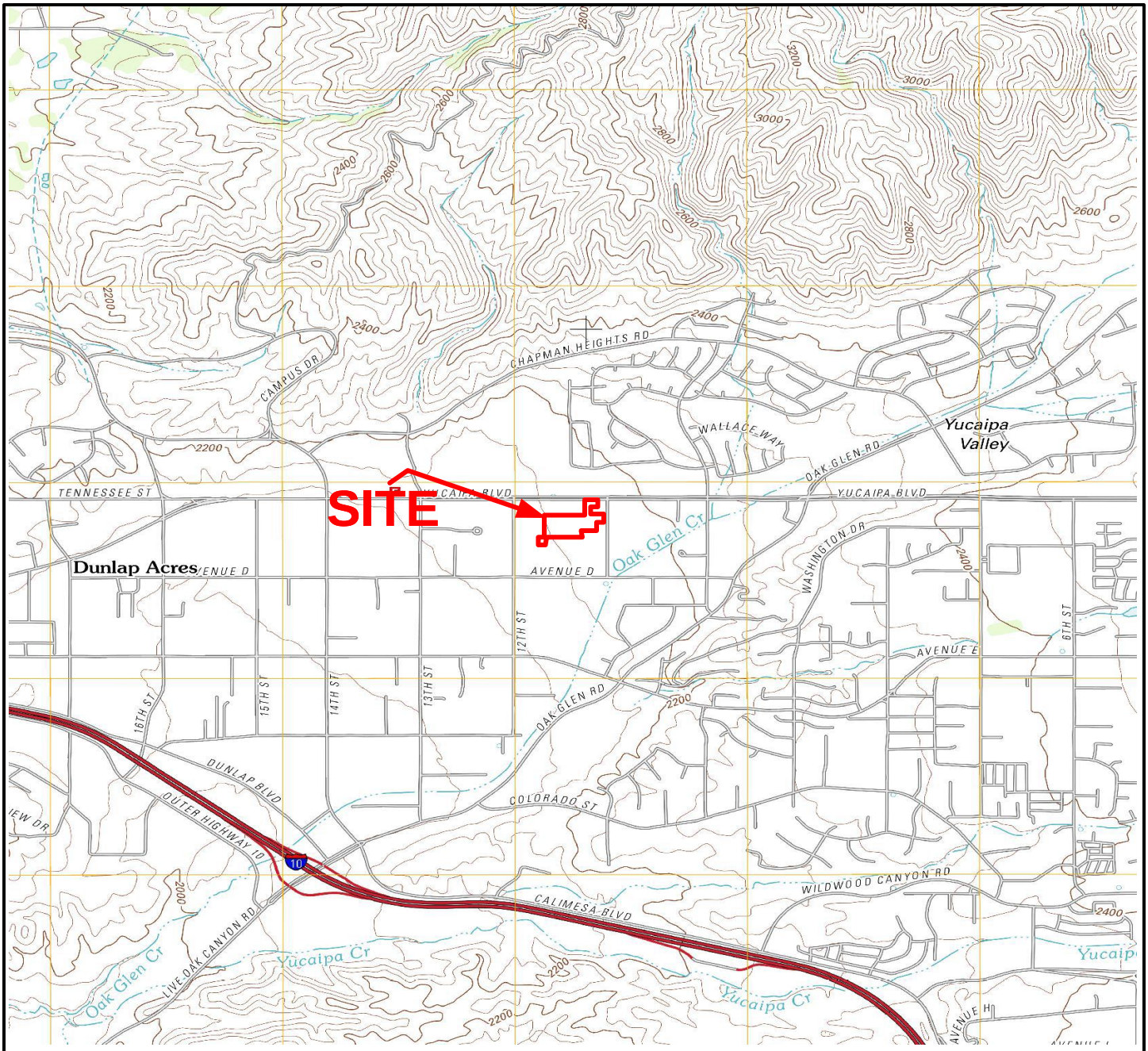
United States Department of Agriculture Natural Resources Conservation Service, Web Soil Survey, http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm, 2021.

12. QUALIFICATIONS

This Phase I ESA report was prepared by Cole E. Mikesell with oversight by Troy K. Reist, CEG. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312. 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.

Mr. Mikesell has a BS degree in Geology with an emphasis in Environmental Geosciences. Mr. Mikesell is a certified Geologist-In-Training in the State of California. Mr. Mikesell has 5 years of experience in the geotechnical and environmental consulting industry. He has performed exploratory drilling, infiltration testing, foundation and earthworks observation, and prepared Phase I and Phase II ESAs throughout southern California.

Mr. Reist is a Professional Geologist and Certified Engineering Geologist, with a BS degree in Geology and has over 23 years of experience in the geotechnical and environmental consulting industry in California. Mr. Reist investigates, remediates and manages geotechnical and environmental issues on residential, commercial, industrial, and agricultural properties throughout southern California.



Base Map:
USGS Topographic Map, 7.5-minute Series
Yucaipa, CA
Scale 1:24,000

N

NO SCALE

VICINITY MAP

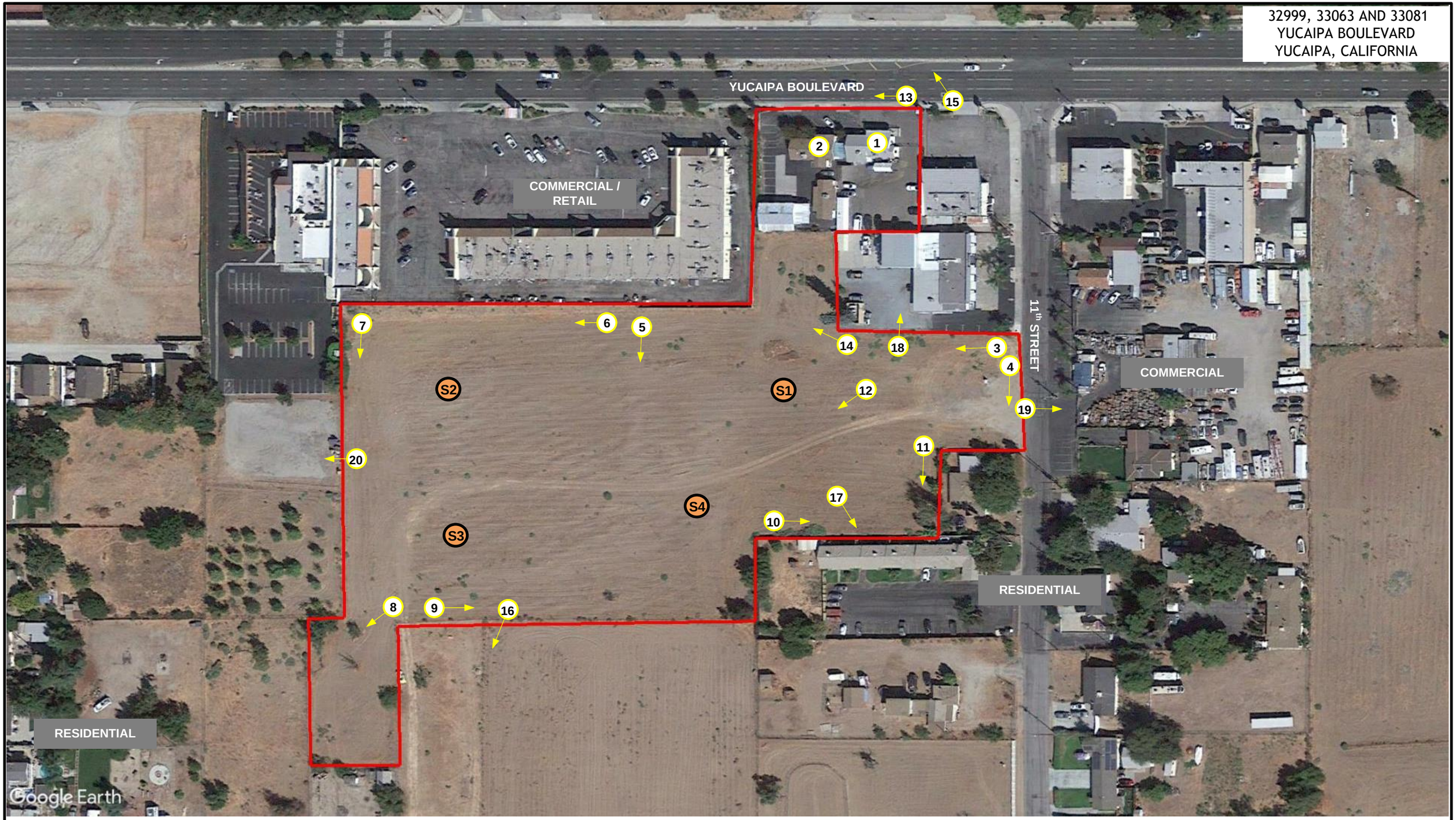
GEOCON
INCORPORATED

GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 558-6159

32999, 33063 AND 33081
YUCAIPA BOULEDARD
YUCAIPA, CALIFORNIA

CEM			SEPTEMBER 2021	PROJECT NO. G2766-62-01	FIG. 1

32999, 33063 AND 33081
YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA



THE GEOGRAPHICAL INFORMATION MADE AVAILABLE FOR DISPLAY WAS PROVIDED BY GOOGLE EARTH, SUBJECT TO A LICENSING AGREEMENT. THE INFORMATION IS FOR ILLUSTRATIVE PURPOSES ONLY; IT IS NOT INTENDED FOR CLIENT'S USE OR RELIANCE AND SHALL NOT BE REPRODUCED BY CLIENT. CLIENTS SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS GEOCON FROM ANY LIABILITY INCURRED AS A RESULT OF SUCH USE OR RELIANCE BY CLIENT.

GEOCON LEGEND

S4 - APPROXIMATE SOIL SAMPLE LOCATION

20 - APPROXIMATE LOCATION AND DIRECTION OF PHOTOGRAPH

N

NOT TO SCALE

SITE PLAN

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 558-6159
PROJECT NO. G2806-62-01
FIGURE 2
DATE SEPTEMBER 2021

Photograph #1
Enterprise Rent-A-Car located on the northeastern portion of the Site.

Photograph #2
Best Properties Real Estate located on the northeastern portion of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #3
View to the west along the northern boundary of the vacant portion of the Site.

Photograph #4
View to the south along the eastern boundary of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

CEM	SEPTEMBER 2021

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

PROJECT NO. G2806-62-01

Photograph #5
View to the south across the central portion of the Site.

Photograph #6
View to the west along the northern boundary of the vacant portion of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #7
View to the south along the western boundary of the Site.

Photograph #8
View of the southwest portion of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #9
View to the east along the southern boundary of the Site.

Photograph #10
View to the east along the southern portion of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #11
View to the south along the eastern boundary of the Site.

Photograph #12
View to the southwest across the central portion of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #13
View to the west along the northern boundary of the Site.

Photograph #14
Yucaipa Plaza adjacent to the north of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #15

Yucaipa Blvd, beyond which is single-family residential, adjacent to the north of the Site.

Photograph #16

Vacant land, beyond which is single-family residential, adjacent to the south of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

CEM	SEPTEMBER 2021

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

PROJECT NO. G2806-62-01

Photograph #17
Multi-family residential adjacent to the south of the Site.

Photograph #18
Yucaipa Auto Electric, adjacent to the east of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

CEM	SEPTEMBER 2021	PROJECT NO. G2806-62-01

Photograph #19
RoadRunner Towing and Storage, adjacent to the east of the Site.

Photograph #20
Vacant land, beyond which is residential, adjacent to the west of the Site.

GEOCON
INCORPORATED
GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121-2974
PHONE 858 558-6900 - FAX 858 558-6159

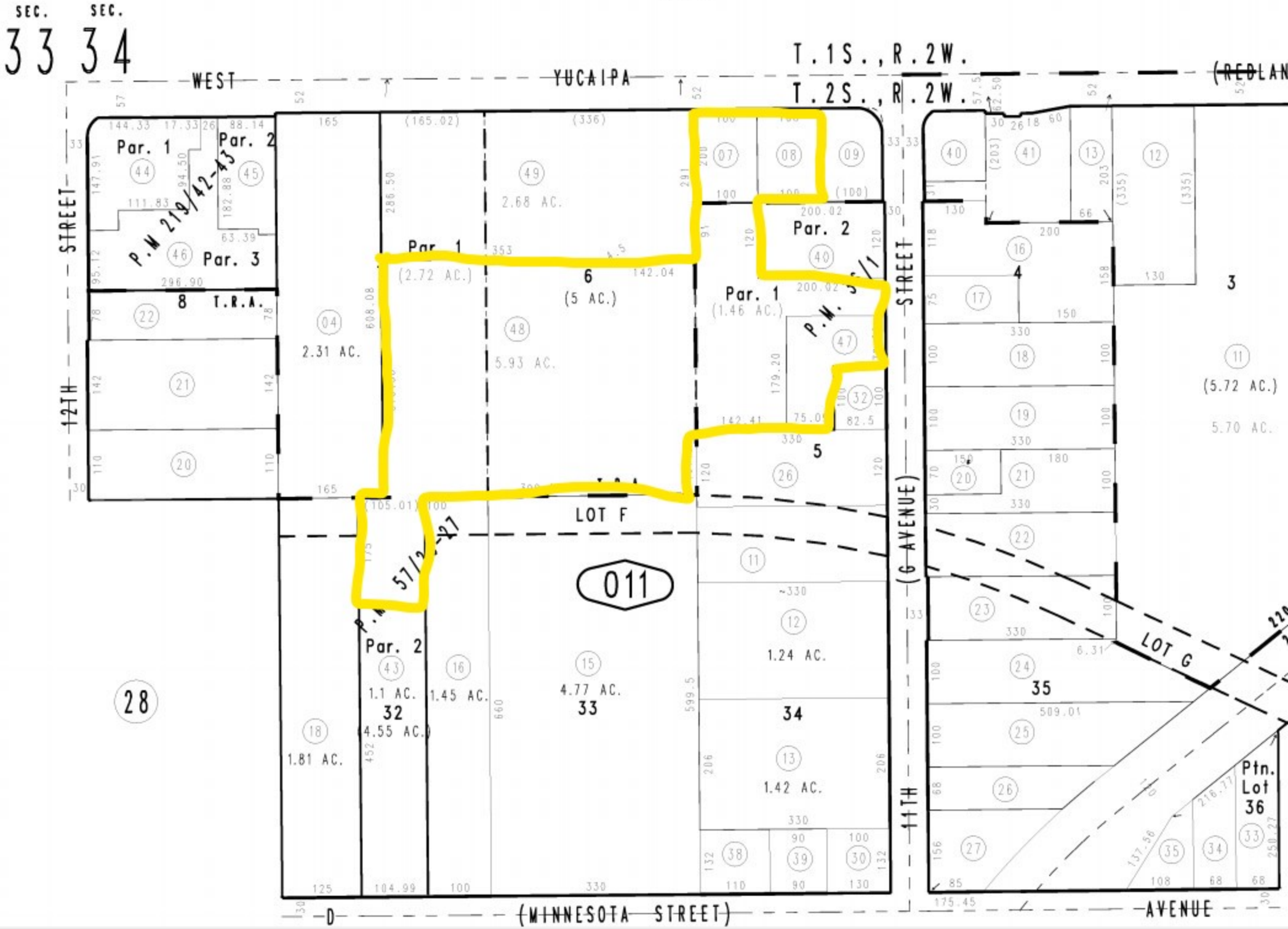
CEM	SEPTEMBER 2021

SITE PHOTOGRAPHS

32999, 33063 AND 33081 YUCAIPA BOULEVARD
YUCAIPA, CALIFORNIA

PROJECT NO. G2806-62-01

APPENDIX A


SEC. 33
SEC. 34
T.1S., R.2W.
T.2S., R.2W.
WEST
YUCAIPA
(REDLAN
STREET
12TH
Par. 1
Par. 2
Par. 3
P.M 219/42-43
8 T.R.A.
2.31 AC.
Par. 1
(2.72 AC.)
2.68 AC.
6
(5 AC.)
5.93 AC.
Par. 2
Par. 1
(1.46 AC.)
P.M. 57/1
5
STREET
(G AVENUE)
4
3
(5.72 AC.)
5.70 AC.
LOT F
57/2-27
011
Par. 2
1.1 AC.
32
(4.55 AC.)
1.45 AC.
4.77 AC.
33
1.24 AC.
34
1.42 AC.
1.81 AC.
28
11TH
LOT G
35
Ptn. Lot 36
D
(MINNESOTA STREET)
AVENUE

APPENDIX B

CLIENT–PROVIDED INFORMATION FOR THE SITE

Site: Yucaipa Property, Yucaipa, CA; Project No. G2806-62-01

***Please elaborate on any question answered "yes." If the question does not apply to the site, please answer "N/A".**

1. If possible, please provide us with the title, appraisal, or sale agreement records to review and discuss in the Phase I ESA.

I do not have one.

2. Are you aware of any environmental liens or activity and use limitations associated with the Site?

No I am not

3. Do you have any specialized knowledge of the Site?

Vacant Land And a Realty

4. Please provide any commonly known or reasonably ascertainable information about the Site.

Some of it is vacant land that is being sold by the estate, other portions are a Realty Office and Enterprise car rental

5. Who currently owns, manages, and operates the Site?

Owner operated

6. Has the monetary value of the Site been reduced due to environmental issues associated with the Site or adjacent properties?

It has not we are paying market price

7. Why are you requesting a Phase I ESA for the Site?

Due-Dilligence as we are going to develop the land.

___Peter Nora
_____
NAME (IN PRINT)

____9/13/2021_____
_____ DATE

Peter Nora
_____
SIGNATURE

_____
COMPANY NAME AND TITLE

Please feel free to contact me if you have any questions.
When complete, return the questionnaire via email or fax:

Mr. Cole Mikesell
Geocon Incorporated
Cmikesell@geoconinc.com
(619) 788-3750 PHONE

(858) 558-6159 FAX

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR SITE OWNER, OCCUPANT, OR REPRESENTATIVE

Site: Yucaipa Property, Yucaipa, CA; Project No. G2806-62-01

***Please elaborate on any question answered "yes." If the question does not apply to the site, please answer "N/A".**

1) Describe the current uses of the Site.

Vacant Land - not in use.

2) How long has the Site been used for these purposes?

Vacant Land-Since date of purchase to present.

3) How long have you occupied the Site?

Vacant Land-Owned since Mid 1970's.

4) List the existing structures on the property and their age.

None - Vacant Land

5) Describe the past uses, owners, and operators of the Site. (Be as detailed as possible and note approximate time periods.)

1).Domenick Rago and Vincenza Rago, JT, 2).Vincenza Rago, 3). Vincenza Rago Family Trust

6) Utilities including electricity, natural gas, water, sewer, and trash removal are provided to the Site by which utility/companies.

Water -
Sewer -
Electricity -
Natural Gas -
Trash –

None - Vacant Land

7) What type of heating, ventilating, and air conditioning (HVAC) system is located at the Site and how is the HVAC system powered?

N/A -Vacant Land

8) Have the Site or adjoining properties been used for industrial activities, such the following? (Please note that an adjoining property is a property that is contiguous with, or directly across the street from the Site.)

Gasoline Station	[ ] Yes [X] No
Printing Facility	[ ] Yes [X] No
Metal Plating Manufacturing	[ ] Yes [X] No
Landfill	[ ] Yes [X] No
Motor Repair Facility	[ ] Yes [X] No
Dry Cleaners	[ ] Yes [X] No
Junkyard	[ ] Yes [X] No
Waste Treatment	[ ] Yes [X] No
Storage, Disposal, or Recycling Facility	[ ] Yes [X] No

Describe other industrial activities, if any. Commercial Shopping district along Yucaipa Blvd.

9) Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped aboveground, buried, or burned on the Site?

[ ] Yes [X] No

10) Have any of the following items been stored on the Site in containers greater than 5 gallons?

Paint	[ ] Yes [X] No
Chemicals	[ ] Yes [X] No
Pesticides	[ ] Yes [X] No

11) Are hazardous wastes generated at the Site? If yes, describe the means of disposal and frequency of disposal.

[ ] Yes [X] No

12) Have petroleum products been stored on the Site or transferred across the Site in pipelines, either above or belowground?

[ ] Yes [X] No

13) Has fill dirt been brought onto the Site from an offsite source?

[ ] Yes [X] No

14) Is there evidence that the fill dirt in Question 13 may be contaminated?

[ ] Yes [ ] No N/A

15) Are there currently any pits, ponds, or lagoons on the Site?

[ ] Yes [X] No

16) Have any pits, ponds, or lagoons previously existed on the Site?

[ ] Yes [X] No

17) Are there currently areas on the Site with stained soil?

[ ] Yes [X] No

18) Have stained soils previously existed on the Site?

[ ] Yes [X] No

19) Do chemical-containing underground or aboveground storage tanks exist, or have they existed previously on the Site?

[ ] Yes [X] No

20) Do fill pipes, vent pipes, or access ways indicating the presence of current or former underground storage tanks exist on the Site?

[ ] Yes [X] No

21) Have fill pipes or vent pipes which may indicate the presence of a current or former underground storage tank been removed from the Site?

[ ] Yes [X] No

22) Are floor drains stained with anything other than water in any area on the Site?

[ ] Yes [ ] No N/A

23) Do floor drains on the Site emit foul odors?

[ ] Yes [ ] No N/A

24) Is the Site served by a private well or a non-public water source?

[ ] Yes [X] No

25) Are contaminants known to exist in any private well or non-public water system serving the Site?

[ ] Yes [ ] No N/A

26) Does the Site discharge wastewater, other than domestic wastewater or storm water, into the sewer?

[ ] Yes [X] No

27) Other than permission for domestic hookup, have any city, county, or local permits for wastewater discharge been issued to the Site?
[ ] Yes [X] No

28) Does a septic tank exist, or has one existed previously on the Site?

[ ] Yes [X] No

29) Do cesspools or cisterns currently exist on the Site?

[ ] Yes [X] No

30) Have cesspools or cisterns previously existed on the Site?

[ ] Yes [X] No

31) Other than storm water, does the Site discharge waste water onto the neighboring Site?

[ ] Yes [X] No

32) Is there a transformer or capacitor that may contain PCBs on the Site?

[ ] Yes [X] No

33) Is there hydraulic equipment such as automobile lifts or elevators on the Site?

[ ] Yes [X] No

34) Are PCBs contained in hydraulic oil associated with hydraulic equipment located on the Site?

[ ] Yes [ ] No N/A

35) Has an asbestos and/or lead-based paint survey been conducted at the Site? If so, what were the findings?

[ ] Yes [X] No

36) Other than small quantities of legal pesticides used for landscape maintenance (e.g., Roundup), have pesticides, herbicides, or insecticides been applied on the Site?

[ ] Yes [X] No

37) Are you aware of any environmental liens against the Site that are filed or recorded under federal, tribal, state, or local law?

[ ] Yes [X] No

38) Have any environmental violations or citations associated with activities conducted on the Site been issued?

[ ] Yes [X] No

39) Has the Site been included in other environmental assessments? If so, can copies of the reports be provided?

[ ] Yes [X] No

40) Have other environmental assessments identified hazardous substances or petroleum products that exist, or may have existed on the Site?

[ ] Yes [X] No

41) Are there any pending lawsuits that involve the release or threatened release of hazardous substances associated with the Site?

[ ] Yes [X] No

42) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place on the Site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

[ ] Yes [X] No

43) Are you aware of any commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of hazardous substance releases or threatened hazardous substance releases?

[ ] Yes [X] No

44) Do you have any specialized knowledge or experience related to the Site or nearby properties, including the knowledge of the chemicals and processes used by this type of business?

[ ] Yes [X] No

45) Based in your knowledge or experience related to the Site, are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

[ ] Yes [X] No

46) If the purchase price of the Site was below fair market value, did this occur because contamination was/is known or believed to be present on the Site?

[ ] Yes [ ] No [ ] N/A

Gordon H. McDonald, Trustee 8/28/2021
NAME (IN PRINT) DATE
For The Vincenza Rago Family Trust

SIGNATURE

[X] Owner [ ] Occupant [ ] Owner Representative

Seller is a 3rd party Trustee and has limited knowledge of the Subject property. Buyer is advised to do their own Due Diligence.

Please feel free to contact me if you have any questions.
When complete, return the questionnaire via email or fax:

Mr. Cole Mikesell
Geocon Incorporated
Cmikesell@geoconinc.com
(619) 788-3750 PHONE
(858) 558-6159 FAX

APPENDIX C

Yucaipa Property
32999 Yucaipa Boulevard
Yucaipa, CA 92399

Inquiry Number: 6639669.2s
August 27, 2021

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	9
Orphan Summary	87
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-12
Physical Setting Source Map Findings	A-14
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

32999 YUCAIPA BOULEVARD
YUCAIPA, CA 92399

COORDINATES

Latitude (North):	34.0326460 - 34˚ 1' 57.52''
Longitude (West):	117.0839510 - 117˚ 5' 2.22''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	492250.1
UTM Y (Meters):	3765584.2
Elevation:	2170 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5630639 YUCAIPA, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
32999 YUCAIPA BOULEVARD
YUCAIPA, CA 92399

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	YUCAIPA AUTO ELECTRI	12118 11TH ST	RCRA-LQG, CERS HAZ WASTE, FINDS, ECHO, HAZNET, San...	Higher	56, 0.011, ENE
A2	EXXCEL MOTOR SPORTS	33109 YUCAIPA BLVD	San Bern. Co. Permit	Higher	212, 0.040, ENE
B3	PEP BOYS STORE#1493	33133 YUCAIPA BLVD	CERS HAZ WASTE, HAZNET, San Bern. Co. Permit,...	Higher	328, 0.062, ENE
B4	PEP BOYS STORE#1493	33133 YUCAIPA BLVD	RCRA NonGen / NLR	Higher	328, 0.062, ENE
5	ERMINIA DEPAZ	12192 12TH STREET	RCRA NonGen / NLR	Lower	518, 0.098, West
C6	ARK ENGINEERING	12108 12TH ST	San Bern. Co. Permit, CERS	Lower	566, 0.107, WNW
C7	LINES AUTO BODY	32895 YUCAIPA BLVD	RCRA-SQG, FINDS, ECHO	Lower	595, 0.113, WNW
C8	BRAINARD JAMES H	32895 YUCAIPA BLVD	EDR Hist Auto	Lower	595, 0.113, WNW
D9	YUCAIPA-CALIMESA JOI	33000 YUCAIPA BLVD	RCRA NonGen / NLR	Lower	669, 0.127, NNW
D10	YUCAIPA HIGH SCHOOL	33000 YUCAIPA BLVD	CERS HAZ WASTE, CHMIRS, NPDES, San Bern. Co....	Lower	669, 0.127, NNW
11	OLD BUSES	32817 AVENUE D	San Bern. Co. Permit	Lower	1092, 0.207, SW
12	YUCAIPA DISPOSAL	12073 10TH ST	LUST, Cortese, HIST CORTESE, CERS	Higher	1636, 0.310, ENE
13	PROPOSED ELEMENTARY	CHAPMAN HEIGHTS	ENVIROSTOR, SCH	Higher	2702, 0.512, NNW
14	ELEMENTARY SCHOOL NO	CHAPMAN HEIGHTS/PENN	ENVIROSTOR	Higher	3798, 0.719, NE

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-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

EXECUTIVE SUMMARY

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

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

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

EXECUTIVE SUMMARY

SCH	School Property Evaluation Program
CDL	Clandestine Drug Labs
Toxic Pits	Toxic Pits Cleanup Act Sites
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
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

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

EXECUTIVE SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List

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-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA AUTO ELECTRI EPA ID:: CAD982002826	***12118 11TH ST***	***ENE 0 - 1/8 (0.011 mi.)***	***A1***	***9***

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 03/22/2021 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LINES AUTO BODY EPA ID:: CAD981381262	***32895 YUCAIPA BLVD***	***WNW 0 - 1/8 (0.113 mi.)***	***C7***	***64***

EXECUTIVE SUMMARY

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 04/23/2021 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED ELEMENTARY Facility Id: 60000192 Status: No Further Action	***CHAPMAN HEIGHTS***	***NNW 1/2 - 1 (0.512 mi.)***	***13***	***82***
ELEMENTARY SCHOOL NO Facility Id: 36010019 Status: Inactive - Needs Evaluation	CHAPMAN HEIGHTS/PENN	NE 1/2 - 1 (0.719 mi.)	14	84

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA DISPOSAL Database: LUST REG 8, Date of Government Version: 02/14/2005 Database: LUST, Date of Government Version: 06/03/2021 Status: Completed - Case Closed Facility Status: Case Closed Global Id: T0607100551 Global ID: T0607100551	***12073 10TH ST***	***ENE 1/4 - 1/2 (0.310 mi.)***	***12***	***78***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site

Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/19/2021 has revealed that there are 3 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA AUTO ELECTRI	***12118 11TH ST***	***ENE 0 - 1/8 (0.011 mi.)***	***A1***	***9***
PEP BOYS STORE#1493	***33133 YUCAIPA BLVD***	***ENE 0 - 1/8 (0.062 mi.)***	***B3***	***34***

Lower Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA HIGH SCHOOL	***33000 YUCAIPA BLVD***	***NNW 1/8 - 1/4 (0.127 mi.)***	***D10***	***70***

Other Ascertainable Records

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEP BOYS STORE#1493 EPA ID:: CAL000368976	33133 YUCAIPA BLVD	ENE 0 - 1/8 (0.062 mi.)	B4	56

Lower Elevation	Address	Direction / Distance	Map ID	Page
ERMINIA DEPAZ EPA ID:: CAC003019764	12192 12TH STREET	W 0 - 1/8 (0.098 mi.)	5	58
YUCAIPA-CALIMESA JOI EPA ID:: CAL000213733	33000 YUCAIPA BLVD	NNW 1/8 - 1/4 (0.127 mi.)	D9	68

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA DISPOSAL Cleanup Status: COMPLETED - CASE CLOSED	***12073 10TH ST***	***ENE 1/4 - 1/2 (0.310 mi.)***	***12***	***78***

EXECUTIVE SUMMARY

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA DISPOSAL Reg Id: 083603394T	***12073 10TH ST***	***ENE 1/4 - 1/2 (0.310 mi.)***	***12***	***78***

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 05/19/2021 has revealed that there are 6 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YUCAIPA AUTO ELECTRI Facility Status: ACTIVE Facility Id: FA0007372	***12118 11TH ST***	***ENE 0 - 1/8 (0.011 mi.)***	***A1***	***9***
EXXCEL MOTOR SPORTS Facility Status: INACTIVE Facility Id: FA0011028 Facility Id: FA0010291 Facility Id: FA0007220	33109 YUCAIPA BLVD	ENE 0 - 1/8 (0.040 mi.)	A2	32
PEP BOYS STORE#1493 Facility Status: ACTIVE Facility Id: FA0014184	***33133 YUCAIPA BLVD***	***ENE 0 - 1/8 (0.062 mi.)***	***B3***	***34***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARK ENGINEERING Facility Status: ACTIVE Facility Id: FA0001107	***12108 12TH ST***	***WNW 0 - 1/8 (0.107 mi.)***	***C6***	***61***
YUCAIPA HIGH SCHOOL Facility Status: ACTIVE Facility Id: FA0007377	***33000 YUCAIPA BLVD***	***NNW 1/8 - 1/4 (0.127 mi.)***	***D10***	***70***
OLD BUSES Facility Status: INACTIVE Facility Id: FA0009077	32817 AVENUE D	SW 1/8 - 1/4 (0.207 mi.)	11	78

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR

researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

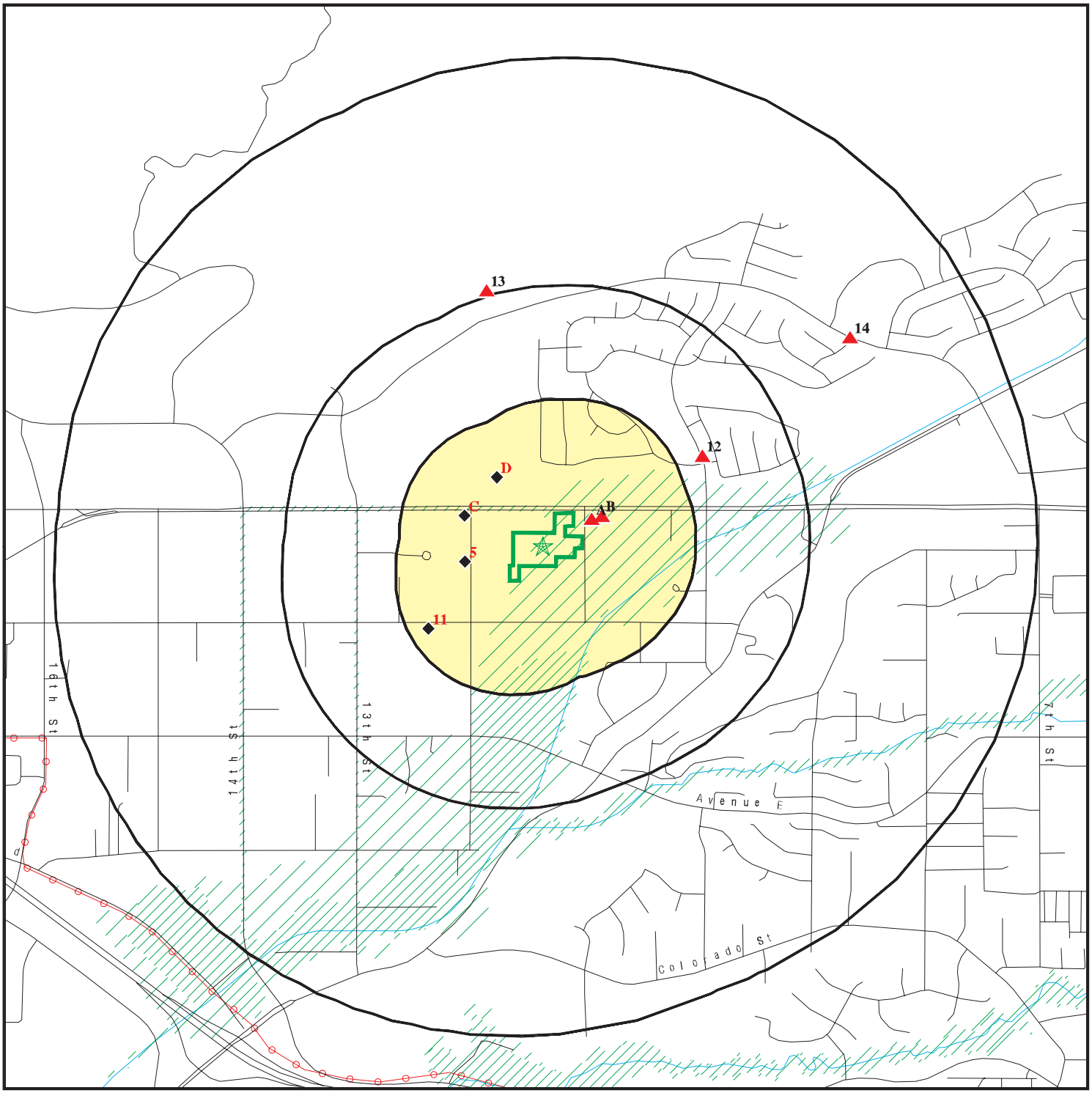
Lower Elevation	Address	Direction / Distance	Map ID	Page
BRAINARD JAMES H	32895 YUCAIPA BLVD	WNW 0 - 1/8 (0.113 mi.)	C8	67

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

Site Name	Database(s)
STATER BROS MARKETS # 23 YUCAIPA	HWTS
HARBERKEN - YUCAIPA LTD	HAZNET, HWTS
STEVE'S YUCAIPA TIRE & AUTO SERVIC	HWTS
YUCAIPA AUTO MACHINE	HWTS
CITY OF YUCAIPA	HWTS
CITY OF YUCAIPA	HWTS
DULCE DIA LLC DBA YUCAIPA AUTO SPA	HWTS
YUCAIPA REFUSE DISPOSAL SITE	CERS
APARTMENT COMPLEX,YUCAIPA	CIWQS
YUCAIPA PARK TRACT 17343	CIWQS
YUCAIPA RETAIL	CIWQS
YUCAIPA RETAIL CTR	CIWQS
YUCAIPA SHOPS	CIWQS
YUCAIPA RETAIL	CIWQS
YUCAIPA BLVD STREET IMPROVEMENTS	CIWQS
YUCAIPA VALLEY CTR	CIWQS
	CDL
	CDL
USA CLEANERS YUCAIPA	DRYCLEANERS
YUCAIPA SHOPS	FINDS
YUCAIPA REFUSE DISPOSAL SITE	RGA LF

OVERVIEW MAP - 6639669.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

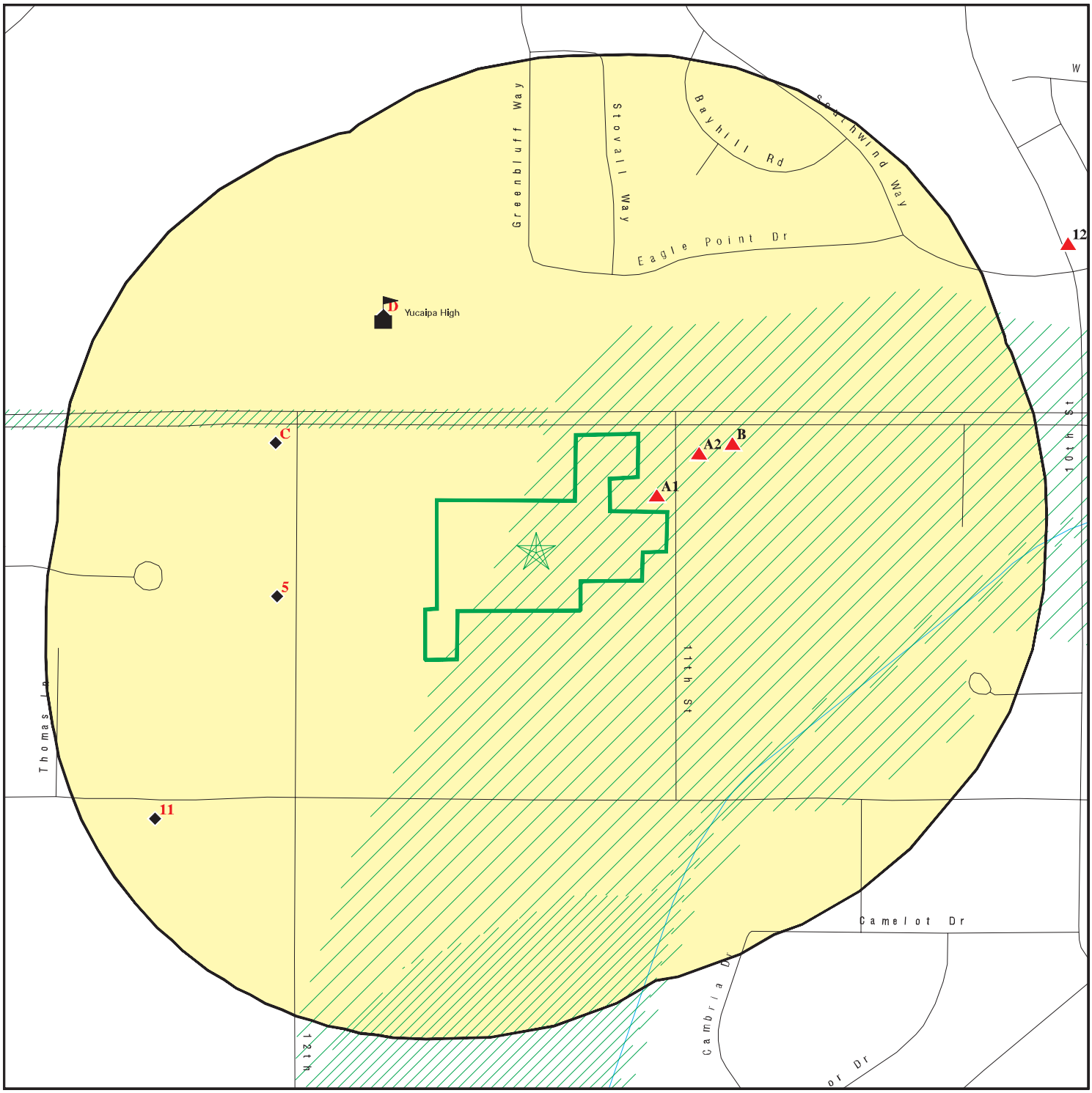
N

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: Yucaipa Property	CLIENT: Geocon Env. Consultants, Inc.
ADDRESS: 32999 Yucaipa Boulevard Yucaipa CA 92399	CONTACT: Cole Mikesell INQUIRY #: 6639669.2s
LAT/LONG: 34.032646 / 117.083951	DATE: August 27, 2021 6:10 pm

Copyright © 2021 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 6639669.2S



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

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

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: Yucaipa Property	CLIENT: Geocon Env. Consultants, Inc.
ADDRESS: 32999 Yucaipa Boulevard Yucaipa CA 92399	CONTACT: Cole Mikesell INQUIRY #: 6639669.2s
LAT/LONG: 34.032646 / 117.083951	DATE: August 27, 2021 6:11 pm

Copyright © 2021 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	2	NR	2
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		2	1	NR	NR	NR	3
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
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	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	1	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	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	1	NR	NR	1
CUPA Listings	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		4	2	NR	NR	NR	6
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	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		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	11	4	3	2	0	20

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1	**YUCAIPA AUTO ELECTRIC**	**RCRA-LQG**	**1000146776**
ENE	**12118 11TH ST**	**CERS HAZ WASTE**	**CAD982002826**
< 1/8	**YUCAIPA, CA 92399**	**FINDS**	
0.011 mi.		**ECHO**	
56 ft.	**Site 1 of 2 in cluster A**	**HAZNET**	
Relative:		**San Bern. Co. Permit**	
Higher		**CERS**	
		HWTS	
Actual:			
2182 ft.			

RCRA-LQG:

Date Form Received by Agency:		1987-06-01 00:00:00.0
Handler Name:	YUCAIPA AUTO ELECTRIC	
Handler Address:		12118 11TH ST
Handler City,State,Zip:		YUCAIPA, CA 92399
EPA ID:		CAD982002826
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		12118 11TH ST
Contact City,State,Zip:		YUCAIPA, CA 92399
Contact Telephone:		714-790-1835
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		12118 11TH ST
Mailing City,State,Zip:		YUCAIPA, CA 92399
Owner Name:		TUCAIPA
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:32:10.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TUCAIPA
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1987-06-01 00:00:00.0
Handler Name: YUCAIPA AUTO ELECTRIC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CERS HAZ WASTE:
Name: YUCAIPA AUTO ELECTRIC
Address: 12118 11TH ST
City,State,Zip: YUCAIPA, CA 92399
Site ID: 87011
CERS ID: 10046806
CERS Description: Hazardous Waste Generator

FINDS:
Registry ID: 110002773106

Click Here:

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.
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: 1000146776
Registry ID: 110002773106
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002773106
Name: YUCAIPA AUTO ELECTRIC
Address: 12118 11TH ST
City,State,Zip: YUCAIPA, CA 92399

HAZNET:
Name: YUCAIPA AUTO ELECTRIC

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Address:	12118 11TH ST
Address 2:	Not reported
City,State,Zip:	YUCAIPA, CA 923991926
Contact:	ANDRE RADOVIC -
Telephone:	9097901835
Mailing Name:	Not reported
Mailing Address:	12118 11TH ST
Year:	2019
Gepaid:	CAD982002826
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.08000
Year:	2019
Gepaid:	CAD982002826
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.18700
Year:	2018
Gepaid:	CAD982002826
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.08500
Year:	2003
Gepaid:	CAD982002826
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.1596
Year:	2002
Gepaid:	CAD982002826
TSD EPA ID:	CAT000613927
CA Waste Code:	-
Disposal Method:	H01 - Transfer Station
Tons:	0.06255
Year:	2002
Gepaid:	CAD982002826
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.2478
Year:	2001
Gepaid:	CAD982002826

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.4326
Year:	2000
Gepaid:	CAD982002826
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.8442
Year:	1998
Gepaid:	CAD982002826
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.2898
Year:	1998
Gepaid:	CAD982002826
TSD EPA ID:	CAT000613893
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.0144

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

Additional Info:

Year:	2002
Gen EPA ID:	CAD982002826
Shipment Date:	20021218
Creation Date:	4/2/2003 18:31:15
Receipt Date:	20021218
Manifest ID:	22197411
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021023
Creation Date:	2/18/2003 18:31:24
Receipt Date:	20021023
Manifest ID:	21911596
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021023
Creation Date:	2/18/2003 18:31:24
Receipt Date:	20021023
Manifest ID:	21911596
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020906
Creation Date:	1/31/2003 15:02:08
Receipt Date:	20020906
Manifest ID:	21901980
Trans EPA ID:	SCR000075150

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020708
Creation Date:	9/18/2002 18:31:39
Receipt Date:	20020708
Manifest ID:	21735128
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020506
Creation Date:	7/19/2002 16:09:28
Receipt Date:	20020506
Manifest ID:	21587698
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD982002826
Shipment Date:	19981218
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981223
Manifest ID:	98453983
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981201
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981203
Manifest ID:	98447143
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980929
Creation Date:	11/19/1998 0:00:00
Receipt Date:	19981001
Manifest ID:	98285293
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0462
Waste Quantity:	11
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980922
Creation Date:	11/5/1998 0:00:00
Receipt Date:	19980924
Manifest ID:	98289729
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	SCD987574647
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980806
Creation Date:	9/22/1998 0:00:00
Receipt Date:	19980811
Manifest ID:	98185882

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0462
Waste Quantity:	11
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980729
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980803
Manifest ID:	98172374
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980609
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980611
Manifest ID:	98183559
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0798
Waste Quantity:	19
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980601
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980605
Manifest ID:	98182338
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0144
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980416
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980424
Manifest ID:	97387795
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	342 - Organic liquids with metals (see 121
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0667
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Additional Code 5: Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD982002826
Shipment Date:	20011115
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011115
Manifest ID:	21313898
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1008
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011115
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011115
Manifest ID:	21313898
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	****
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010926
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010926

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Manifest ID:	21456563
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1008
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010608
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010611
Manifest ID:	20640617
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0462
Waste Quantity:	11
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010608
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010611
Manifest ID:	20640617
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010330
Creation Date:	5/31/2001 0:00:00
Receipt Date:	20010402
Manifest ID:	20620149
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0756
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010131
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20010131
Manifest ID:	20392184
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0756
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD982002826
Shipment Date:	20001130
Creation Date:	1/12/2001 0:00:00
Receipt Date:	20001130
Manifest ID:	20290596
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000926
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000926
Manifest ID:	20037163
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5502
Waste Quantity:	131
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000926
Creation Date:	12/8/2000 0:00:00

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Receipt Date:	20000926
Manifest ID:	20037164
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0714
Waste Quantity:	17
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000804
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000804
Manifest ID:	20198603
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000606
Creation Date:	8/2/2000 0:00:00
Receipt Date:	20000606
Manifest ID:	20009568
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0756
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD982002826
Shipment Date:	20030408
Creation Date:	6/22/2003 18:31:12
Receipt Date:	20030408
Manifest ID:	22442633
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030408
Creation Date:	6/22/2003 18:31:12
Receipt Date:	20030408
Manifest ID:	22442633
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030214
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030214
Manifest ID:	22430038
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030117
Creation Date:	3/29/2003 18:31:12
Receipt Date:	20030117
Manifest ID:	22282004
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Additional Info:

Year:	1995
Gen EPA ID:	CAD982002826
Shipment Date:	19951211
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951218
Manifest ID:	95757189
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0144
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950920
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19950926
Manifest ID:	95641385
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0144
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	YUCAIPA AUTO ELECTRIC
Address:	12118 11TH ST
City,State,Zip:	YUCAIPA, CA 92399

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Region: SAN BERNARDINO
Facility ID: FA0007372
Owner: RADOVIC, ANDRE
Permit Number: PT0006345
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 11/30/2021

Name: YUCAIPA AUTO ELECTRIC
Address: 12118 11TH ST
City,State,Zip: YUCAIPA, CA 92399
Region: SAN BERNARDINO
Facility ID: FA0007372
Owner: RADOVIC, ANDRE
Permit Number: PT0006344
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 11/30/2021

CERS:
Name: YUCAIPA AUTO ELECTRIC
Address: 12118 11TH ST
City,State,Zip: YUCAIPA, CA 92399
Site ID: 87011
CERS ID: 10046806
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 87011
Site Name: YUCAIPA AUTO ELECTRIC
Violation Date: 05-09-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/02/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 87011
Site Name: YUCAIPA AUTO ELECTRIC
Violation Date: 05-09-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 06/02/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 87011
Site Name: YUCAIPA AUTO ELECTRIC
Violation Date: 05-09-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

	Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/24/2016. Failure to obtain an EPA ID Number (CCR 66262.12(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	87011
Site Name:	YUCAIPA AUTO ELECTRIC
Violation Date:	09-26-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 10/30/2018. OBSERVATION: The business plan was last reviewed and certified on 2/27/17 CORRECTIVE ACTION: Review and certify the business plan annually.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION OF YUCAIPA AUTO ELECTRIC IN YUCAIPA.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION OF YUCAIPA AUTO ELECTRIC IN YUCAIPA.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 87011
Site Name: YUCAIPA AUTO ELECTRIC
Site Address: 12118 11TH ST
Site City: YUCAIPA
Site Zip: 92399
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 87011
Site Name: YUCAIPA AUTO ELECTRIC
Site Address: 12118 11TH ST
Site City: YUCAIPA
Site Zip: 92399
Enf Action Date: 05-09-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Coordinates:
Site ID: 87011
Facility Name: YUCAIPA AUTO ELECTRIC
Env Int Type Code: HWG
Program ID: 10046806
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.033173
Longitude: -117.082779

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Legal Owner
Entity Name: RADOVIC, ANDRE
Entity Title: Not reported
Affiliation Address: 35837 HOLLY ST
Affiliation City: YUCAIPA

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 633-7829

Affiliation Type Desc:	Parent Corporation
Entity Name:	YUCAIPA AUTO ELECTRIC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Andre Radovic
Entity Title:	Not reported
Affiliation Address:	12118 11TH Street
Affiliation City:	Yucaipa
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92399
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Andre Radovic
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 633-7829

Affiliation Type Desc:	Document Preparer
Entity Name:	Andre Radovic
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12118 11TH STREET
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92399
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Andre Radovic

YUCAIPA AUTO ELECTRIC (Continued) **1000146776**

Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	YUCAIPA AUTO ELECTRIC
Address:	12118 11TH ST
Address 2:	Not reported
City,State,Zip:	YUCAIPA, CA 923991926
EPA ID:	CAD982002826
Inactive Date:	Not reported
Create Date:	03/01/1988
Last Act Date:	07/21/2020
Mailing Name:	Not reported
Mailing Address:	12118 11TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	YUCAIPA, CA 923991926
Owner Name:	YUCAIPA AUTO ELECTRIC INC.
Owner Address:	12118 11TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	YUCAIPA, CA 923991926
Contact Name:	LUCAS JONES -
Contact Address:	12118 11TH ST
Contact Address 2:	Not reported
City,State,Zip:	YUCAIPA, CA 92399

NAICS:

EPA ID:	CAD982002826
Create Date:	2007-09-19 06:53:44.570
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1988-03-01 00:00:00
Inactive Date:	Not reported
Facility Name:	YUCAIPA AUTO ELECTRIC
Facility Address:	12118 11TH ST
Facility Address 2:	Not reported
Facility City:	YUCAIPA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	923991926

A2 **EXXCEL MOTOR SPORTS** **San Bern. Co. Permit** **S106911180**
ENE **33109 YUCAIPA BLVD** **N/A**
< 1/8 **YUCAIPA, CA 92399**
0.040 mi.
212 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

Actual:
2188 ft.

San Bern. Co. Permit:

Name:	EXXCEL MOTOR SPORTS
Address:	33109 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO

EXXCEL MOTOR SPORTS (Continued) **S106911180**

Facility ID: FA0011028
Owner: MILLER, DALE & HAZEL
Permit Number: PT0019038
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 07/31/2008

Name: EXXCEL MOTOR SPORTS
Address: 33109 YUCAIPA BLVD
City,State,Zip: YUCAIPA, CA 92399
Region: SAN BERNARDINO
Facility ID: FA0011028
Owner: MILLER, DALE & HAZEL
Permit Number: PT0019039
Permit Category: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 07/31/2008

Name: AMERICAN MOTOR SPORTS
Address: 33109 YUCAIPA BLVD
City,State,Zip: YUCAIPA, CA 92399
Region: SAN BERNARDINO
Facility ID: FA0010291
Owner: CRUISE, JAMES
Permit Number: PT0017496
Permit Category: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 04/30/2007

Name: WALT'S AUTO SERVICE CENTR
Address: 33109 YUCAIPA BLVD
City,State,Zip: YUCAIPA, CA 92399
Region: SAN BERNARDINO
Facility ID: FA0007220
Owner: FILIJAN, WALTER A. & CAROL
Permit Number: PT0000210
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 12/31/2002

Name: WALT'S AUTO SERVICE CENTR
Address: 33109 YUCAIPA BLVD
City,State,Zip: YUCAIPA, CA 92399
Region: SAN BERNARDINO
Facility ID: FA0007220
Owner: FILIJAN, WALTER A. & CAROL
Permit Number: PT0000207
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 12/31/2002

B3 ENE < 1/8 0.062 mi. 328 ft. | **PEP BOYS STORE#1493**
33133 YUCAIPA BLVD
YUCAIPA, CA 92399

Site 1 of 2 in cluster B

CERS HAZ WASTE
HAZNET
San Bern. Co. Permit
CERS
HWTS

S111859492
N/A

Relative: Higher

Actual: 2191 ft.

CERS HAZ WASTE:

Name:	PEP BOYS STORE #1493
Address:	33133 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Site ID:	56183
CERS ID:	10312801
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	PEP BOYS STORE#1493
Address:	33133 YUCAIPA BLVD
Address 2:	Not reported
City,State,Zip:	YUCAIPA, CA 191321116
Contact:	ALANA PERSAD
Telephone:	2154309226
Mailing Name:	Not reported
Mailing Address:	3111 W ALLEGHENY AVE
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	CAT080025711
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.54627
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00300
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	AZR000515924
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.07000
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	AZR000521146
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02250
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	AZR000521146

PEP BOYS STORE#1493 (Continued) **S111859492**

CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.68500
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.02919
Year:	2019
Gepaid:	CAL000368976
TSD EPA ID:	NVD980895338
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00450
Year:	2018
Gepaid:	CAL000368976
TSD EPA ID:	AZR000515924
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.95500
Year:	2018
Gepaid:	CAL000368976
TSD EPA ID:	CAT080025711
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25020
Year:	2018
Gepaid:	CAL000368976
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06255

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

Additional Info:

Year:	2015
Gen EPA ID:	CAL000368976
Shipment Date:	20150827
Creation Date:	11/4/2015 22:15:36
Receipt Date:	20150831
Manifest ID:	014192837JJK

PEP BOYS STORE#1493 (Continued) **S111859492**

Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3753
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	8/31/2015 22:15:49
Receipt Date:	20150511
Manifest ID:	013387616JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150511
Manifest ID:	014189217JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150205
Creation Date:	4/16/2015 22:14:42
Receipt Date:	20150209
Manifest ID:	013385189JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000368976
Shipment Date:	20140227
Creation Date:	5/22/2014 22:14:52
Receipt Date:	20140310
Manifest ID:	012263930JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO- KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.31275
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000368976
Shipment Date:	20130729
Creation Date:	10/17/2013 22:15:26
Receipt Date:	20130812
Manifest ID:	011681821JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130726
Creation Date:	9/22/2013 22:15:19
Receipt Date:	20130727
Manifest ID:	011273677JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO- KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.52125

PEP BOYS STORE#1493 (Continued) **S111859492**

Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130415
Creation Date:	6/18/2013 22:15:15
Receipt Date:	20130418
Manifest ID:	010402511JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO- KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2502
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130415
Creation Date:	6/18/2013 22:15:15
Receipt Date:	20130418
Manifest ID:	010402511JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO- KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

Shipment Date:	20130314
Creation Date:	5/3/2013 22:15:44
Receipt Date:	20130315
Manifest ID:	010783694JJK
Trans EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130204
Creation Date:	4/14/2013 22:15:06
Receipt Date:	20130205
Manifest ID:	010783572JJK
Trans EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO-KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0798
Waste Quantity:	19
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130108
Creation Date:	3/15/2013 22:15:20
Receipt Date:	20130111
Manifest ID:	010782008JJK
Trans EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO- KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1512
Waste Quantity:	36
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000368976
Shipment Date:	20150827
Creation Date:	11/4/2015 22:15:36
Receipt Date:	20150831
Manifest ID:	014192837JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.3753
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	8/31/2015 22:15:49
Receipt Date:	20150511
Manifest ID:	013387616JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON

PEP BOYS STORE#1493 (Continued) **S111859492**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150511
Manifest ID:	014189217JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150205
Creation Date:	4/16/2015 22:14:42
Receipt Date:	20150209
Manifest ID:	013385189JJK
Trans EPA ID:	CAL000381082
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15

PEP BOYS STORE#1493 (Continued) **S111859492**

Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000368976
Shipment Date:	20171212
Creation Date:	10/18/2018 18:30:14
Receipt Date:	20171221
Manifest ID:	018165085JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171212
Creation Date:	10/18/2018 18:30:14
Receipt Date:	20171221
Manifest ID:	018165084JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170912
Creation Date:	10/1/2018 18:30:14
Receipt Date:	20170919
Manifest ID:	017794872JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170912
Creation Date:	5/30/2018 18:33:59
Receipt Date:	20170915
Manifest ID:	017794873JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170612
Creation Date:	5/17/2018 18:31:41

PEP BOYS STORE#1493 (Continued) **S111859492**

Receipt Date:	20170614
Manifest ID:	017446655JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170308
Creation Date:	5/22/2017 18:30:49
Receipt Date:	20170313
Manifest ID:	016755791JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170306
Creation Date:	5/11/2018 18:32:50
Receipt Date:	20170313
Manifest ID:	016755619JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924

PEP BOYS STORE#1493 (Continued) **S111859492**

Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170306
Creation Date:	5/11/2018 18:32:50
Receipt Date:	20170313
Manifest ID:	016755714JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000175422
Trans 2 Name:	WORLDWIDE RECOVERY SYSTEM INC
TSDF EPA ID:	AZR000515924
Trans Name:	YUMA YES LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.085
Waste Quantity:	170
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170228
Creation Date:	5/22/2017 18:30:49
Receipt Date:	20170306
Manifest ID:	016754452JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

PEP BOYS STORE#1493 (Continued) **S111859492**

Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000368976
Shipment Date:	20120810
Creation Date:	9/27/2012 22:15:12
Receipt Date:	20120810
Manifest ID:	010439320JJK
Trans EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120810
Creation Date:	9/27/2012 22:15:12
Receipt Date:	20120810
Manifest ID:	010444516JJK
Trans EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0924
Waste Quantity:	22
Quantity Unit:	G

PEP BOYS STORE#1493 (Continued) **S111859492**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120524
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20120601
Manifest ID:	009734766JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVR000082925
Trans Name:	ROADRUNNER GLYCOL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120524
Creation Date:	8/1/2012 22:15:22
Receipt Date:	20120525
Manifest ID:	009734783JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3496
Waste Quantity:	92
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120323
Creation Date:	5/24/2012 20:30:25

PEP BOYS STORE#1493 (Continued) **S111859492**

Receipt Date:	20120326
Manifest ID:	009733267JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4256
Waste Quantity:	112
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120323
Creation Date:	9/17/2012 22:15:10
Receipt Date:	20120405
Manifest ID:	009733175JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVR000082925
Trans Name:	ROADRUNNER GLYCOL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1764
Waste Quantity:	42
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120216
Creation Date:	4/19/2012 20:30:22
Receipt Date:	20120217
Manifest ID:	009736140JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC

PEP BOYS STORE#1493 (Continued) **S111859492**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4332
Waste Quantity:	114
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120216
Creation Date:	8/22/2012 22:15:08
Receipt Date:	20120224
Manifest ID:	009736132JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVR000082925
Trans Name:	ROADRUNNER GLYCOL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.147
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120121
Creation Date:	6/27/2012 20:30:16
Receipt Date:	20120127
Manifest ID:	009289433JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVR000082925
Trans Name:	ROADRUNNER GLYCOL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G

PEP BOYS STORE#1493 (Continued) **S111859492**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120121
Creation Date:	3/27/2012 20:30:43
Receipt Date:	20120124
Manifest ID:	009289442JJK
Trans EPA ID:	CAL000253361
Trans Name:	ALL PHASE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4332
Waste Quantity:	114
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	PEP BOYS STORE #1493
Address:	33133 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0014184
Owner:	PEP BOYS - MANNY, MOE & JACK
Permit Number:	PT0025439
Permit Category:	LARGE QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	01/31/2022

Name:	PEP BOYS STORE #1493
Address:	33133 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0014184
Owner:	PEP BOYS - MANNY, MOE & JACK
Permit Number:	PT0025440
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	01/31/2022

CERS:

Name:	PEP BOYS STORE #1493

PEP BOYS STORE#1493 (Continued) **S111859492**

Address: 33133 YUCAIPA BLVD
City,State,Zip: YUCAIPA, CA 92399
Site ID: 56183
CERS ID: 10312801
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 56183
Site Name: PEP BOYS STORE #1493
Violation Date: 01-11-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 07/12/2018. The hazardous materials inventory and emergency response sections of business, last submitted on 12/30/15, have not been certified annually.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 56183
Site Name: PEP BOYS STORE #1493
Violation Date: 01-11-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 07/12/2018. The hazardous materials inventory does not include the following observed items: (1) 337 cubic feet cylinder of oxygen and (2) 55 gallon drums of paper oil filters. The following hazardous materials were under reported: (2) 16 gallon drums of waste brake fluid. Because any amount of hazardous waste is reportable in this jurisdiction, the following items must also be reported: (2) 10 gallon containers oil containing waste (absorbents) and(2) 5 gallon container of waste brake shavings.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

PEP BOYS STORE#1493 (Continued) **S111859492**

Eval Date:	01-11-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-03-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	56183
Facility Name:	PEP BOYS STORE #1493
Env Int Type Code:	HWG
Program ID:	10312801
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	34.033470
Longitude:	-117.081740

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Document Preparer
Entity Name:	David Abraham
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

Affiliation Type Desc:	Identification Signer
Entity Name:	David Abraham
Entity Title:	California EHS Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Pep Boys - Manny, Moe & Jack
Entity Title:	Not reported
Affiliation Address:	3111 W Allegheny Ave, Attn: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	United States
Affiliation Zip:	19132
Affiliation Phone:	(215) 430-9095

Affiliation Type Desc:	Property Owner
Entity Name:	Albert Eschleman
Entity Title:	Not reported
Affiliation Address:	P.O. Box 62
Affiliation City:	Yucaipa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90239
Affiliation Phone:	(909) 225-0631

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Abraham
Entity Title:	Not reported
Affiliation Address:	3111 W Allegheny Ave, Attn: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	Not reported
Affiliation Zip:	19132
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Pep Boys- Manny, Moe & Jack
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3111 W Allegheny Ave, Attn: Environmental Department
Affiliation City:	Philadelphia
Affiliation State:	PA
Affiliation Country:	Not reported

PEP BOYS STORE#1493 (Continued) **S111859492**

Affiliation Zip:	19132
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Pep Boys - Manny, Moe & Jack
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(215) 430-9226

HWTS:

Name:	PEP BOYS STORE#1493
Address:	33133 YUCAIPA BLVD
Address 2:	Not reported
City,State,Zip:	YUCAIPA, CA 92399
EPA ID:	CAL000368976
Inactive Date:	Not reported
Create Date:	11/16/2011
Last Act Date:	04/12/2021
Mailing Name:	ENVIRONMENTAL DEPARTMENT
Mailing Address:	3111 W ALLEGHENY AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PHILADELPHIA, PA 191321116
Owner Name:	THE PEP BOYS MANNY MOE & JACK OF CA
Owner Address:	3111 WEST ALLEGHENY AVE
Owner Address 2:	ENVIRONMENTAL DEPT
Owner City,State,Zip:	PHILADELPHIA, PA 191320000
Contact Name:	ANGELA BANKS
Contact Address:	3111 WEST ALLEGHENY AVENUE
Contact Address 2:	ENVIRONMENTAL
City,State,Zip:	PHILADELPHIA, PA 19132

NAICS:

EPA ID:	CAL000368976
Create Date:	2011-11-16 11:21:09.493
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2011-11-16 11:21:09.43000
Inactive Date:	Not reported
Facility Name:	PEP BOYS STORE#1493
Facility Address:	33133 YUCAIPA BLVD
Facility Address 2:	Not reported
Facility City:	YUCAIPA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92399

B4 ENE < 1/8 0.062 mi. 328 ft. | **PEP BOYS STORE#1493**
33133 YUCAIPA BLVD
YUCAIPA, CA 92399

Site 2 of 2 in cluster B

RCRA NonGen / NLR | **1024831711**
CAL000368976

Relative: Higher

Actual: 2191 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2011-11-16 00:00:00.0
Handler Name:	PEP BOYS STORE#1493	
Handler Address:		33133 YUCAIPA BLVD
Handler City,State,Zip:		YUCAIPA, CA 92399
EPA ID:		CAL000368976
Contact Name:		ALANA PERSAD
Contact Address:		PEP BOYS -MANNY, MOE & JACK
Contact City,State,Zip:		PHILADELPHIA, PA 19132
Contact Telephone:		215-430-9226
Contact Fax:		215-430-4639
Contact Email:		ALANA_PERSAD@PEPBOYS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3111 W ALLEGHENY AVE
Mailing City,State,Zip:		PHILADELPHIA, PA 19132-1116
Owner Name:		THE PEP BOYS MANNY MOE & JACK OF CA
Owner Type:		Other
Operator Name:		ALANA PERSAD
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

PEP BOYS STORE#1493 (Continued) **1024831711**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-06 16:59:46.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ALANA PERSAD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PEP BOYS -MANNY, MOE & JACK
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132
Owner/Operator Telephone:	215-430-9226
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE PEP BOYS MANNY MOE & JACK OF CA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3111 WEST ALLEGHENY AVE
Owner/Operator City,State,Zip:	PHILADELPHIA, PA 19132-0000
Owner/Operator Telephone:	215-430-9226
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PEP BOYS STORE#1493 (Continued) **1024831711**

Historic Generators:
Receive Date: 2011-11-16 00:00:00.0
Handler Name: PEP BOYS STORE#1493
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

---

5 **ERMINIA DEPAZ** **RCRA NonGen / NLR** **1025840164**
West **12192 12TH STREET** **CAC003019764**
< 1/8 **YUCAIPA, CA 92399**
0.098 mi.
518 ft.

Relative:
Lower

Actual:
2146 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2019-06-14 00:00:00.0
Handler Name: ERMINIA DEPAZ
Handler Address: 12192 12TH STREET
Handler City,State,Zip: YUCAIPA, CA 92399-1942
EPA ID: CAC003019764
Contact Name: ERMINIA DEPAZ
Contact Address: 12192 12TH STREET
Contact City,State,Zip: YUCAIPA, CA 92399-1942
Contact Telephone: 909-644-2066
Contact Fax: Not reported
Contact Email: TAMMYHURLEY@ALLIANCE-ENVIRO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 12192 12TH STREET
Mailing City,State,Zip: YUCAIPA, CA 92399-1942
Owner Name: ERMINIA DEPAZ

ERMINIA DEPAZ (Continued) **1025840164**

Owner Type:	Other
Operator Name:	ERMINIA DEPAZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2019-06-27 14:20:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

ERMINIA DEPAZ (Continued) **1025840164**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ERMINIA DEPAZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12192 12TH STREET
Owner/Operator City,State,Zip:	YUCAIPA, CA 92399-1942
Owner/Operator Telephone:	909-644-2066
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ERMINIA DEPAZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12192 12TH STREET
Owner/Operator City,State,Zip:	YUCAIPA, CA 92399-1942
Owner/Operator Telephone:	909-644-2066
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2019-06-14 00:00:00.0
Handler Name: ERMINIA DEPAZ	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

C6 WNW < 1/8 0.107 mi. 566 ft. | **ARK ENGINEERING 12108 12TH ST YUCAIPA, CA 92399** | **San Bern. Co. Permit CERS** | **S104763904 N/A**

Site 1 of 3 in cluster C

Relative: Lower

Actual: 2151 ft.

San Bern. Co. Permit:

Name:	ARK ENGINEERING
Address:	12108 12TH ST
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0001107
Owner:	SMITH, RANDALL
Permit Number:	PT0008584
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status:	ACTIVE
Expiration Date:	04/30/2022

CERS:

Name:	ARK ENGINEERING
Address:	12108 12TH ST
City,State,Zip:	YUCAIPA, CA 92399
Site ID:	6837
CERS ID:	10035676
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	6837
Site Name:	ARK ENGINEERING
Violation Date:	05-05-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 06/23/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	6837
Site Name:	ARK ENGINEERING
Violation Date:	05-05-2016
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 06/23/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	6837
Site Name:	ARK ENGINEERING
Violation Date:	09-27-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due

ARK ENGINEERING (Continued) **S104763904**

	date.
Violation Notes:	OBSERVATION: The business plan was last reviewed and certified on 6/23/17. CORRECTIVE ACTION: Review and certify the business plan annually using the California Environmental Reporting System (CERS). Sign and submit a certificate of compliance to this division.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-05-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ROUTINE INSPECTION, 5050, PHOTO NARRATIVE, TRAINING KANIZ
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	6837
Site Name:	ARK ENGINEERING
Site Address:	12108 12TH ST
Site City:	YUCAIPA
Site Zip:	92399
Enf Action Date:	05-05-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	6837
Facility Name:	ARK ENGINEERING
Env Int Type Code:	HMBP
Program ID:	10035676
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.033549
Longitude:	-117.086775

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	SMITH, RANDALL

ARK ENGINEERING (Continued) **S104763904**

Entity Title:	Not reported
Affiliation Address:	12108 12TH ST
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 797-2882

Affiliation Type Desc:	Operator
Entity Name:	Randy Smith
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 228-1155

Affiliation Type Desc:	Parent Corporation
Entity Name:	ARK ENGINEERING
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Document Preparer
Entity Name:	Randall Smith
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Randy Smith
Entity Title:	Not reported
Affiliation Address:	12108 12TH ST
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92399
Affiliation Phone:	Not reported

ARK ENGINEERING (Continued) **S104763904**

Affiliation Type Desc:	Property Owner
Entity Name:	Randall Smith
Entity Title:	Not reported
Affiliation Address:	12108 12TH ST
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 228-1155

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12108 12TH STREET
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92399
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Randall Smith
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

C7 **LINES AUTO BODY** **RCRA-SQG** **1000220369**
WNW **32895 YUCAIPA BLVD** **FINDS** **CAD981381262**
< 1/8 **YUCAIPA, CA 92399** **ECHO**
0.113 mi.
595 ft. **Site 2 of 3 in cluster C**

Relative:
Lower

Actual:
2150 ft.

RCRA-SQG:

Date Form Received by Agency:		1996-09-01 00:00:00.0
Handler Name:	LINES AUTO BODY	
Handler Address:		32895 YUCAIPA BLVD
Handler City,State,Zip:		YUCAIPA, CA 92399
EPA ID:		CAD981381262
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		32895 YUCAIPA BLVD
Contact City,State,Zip:		YUCAIPA, CA 92399
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA

LINES AUTO BODY (Continued) **1000220369**

State District:	4
Mailing Address:	32895 YUCAIPA BLVD
Mailing City,State,Zip:	YUCAIPA, CA 92399
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:24:20.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

LINES AUTO BODY (Continued) **1000220369**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LINES AUTO BODY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	1996-09-01 00:00:00.0
Handler Name: LINES AUTO BODY	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1986-02-21 00:00:00.0
Handler Name: LINES AUTO BODY	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

LINES AUTO BODY (Continued) **1000220369**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002687735

Click Here:

Environmental Interest/Information System:
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.

ECHO:

Envid:	1000220369
Registry ID:	110002687735
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002687735
Name:	LINES AUTO BODY
Address:	32895 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399

C8 **BRAINARD JAMES H** **EDR Hist Auto** **1021789433**
WNW **32895 YUCAIPA BLVD** **N/A**
< 1/8 **YUCAIPA, CA 92399**
0.113 mi.
595 ft. **Site 3 of 3 in cluster C**

Relative: EDR Hist Auto
Lower
Actual:
2150 ft.

Year:	Name:	Type:
1969	BRAINARD JAMES H	Gasoline Service Stations
1970	BRAINARD JAMES H	Gasoline Service Stations
1971	BRAINARD JAMES H	Gasoline Service Stations
1972	BRAINARD JAMES H	Gasoline Service Stations
1973	BRAINARD JAMES H	Gasoline Service Stations
1974	BRAINARD JAMES H	Gasoline Service Stations
1975	BRAINARD JAMES H	Gasoline Service Stations

D9 NNW 1/8-1/4 0.127 mi. 669 ft. | **YUCAIPA-CALIMESA JOINT USD**
33000 YUCAIPA BLVD
YUCAIPA, CA 92399 | **RCRA NonGen / NLR** | **1024799762**
CAL000213733

Site 1 of 2 in cluster D

Relative: Lower

Actual: 2160 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2000-02-14 00:00:00.0
Handler Name:	YUCAIPA-CALIMESA JOINT USD
Handler Address:	33000 YUCAIPA BLVD
Handler City,State,Zip:	YUCAIPA, CA 92399-0000
EPA ID:	CAL000213733
Contact Name:	TIM RYAN
Contact Address:	12360 6TH ST
Contact City,State,Zip:	YUCAIPA, CA 92399-0000
Contact Telephone:	909-797-5181
Contact Fax:	909-790-8507
Contact Email:	TIM_RYAN@YCJUSD.US
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12360 6TH ST
Mailing City,State,Zip:	YUCAIPA, CA 92399-0000
Owner Name:	YUCAIPA-CALIMESA JOINT USD
Owner Type:	Other
Operator Name:	TIM RYAN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

YUCAIPA-CALIMESA JOINT USD (Continued) **1024799762**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-09-05 15:45:03.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TIM RYAN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12360 6TH ST
Owner/Operator City,State,Zip:	YUCAIPA, CA 92399-0000
Owner/Operator Telephone:	909-797-5181
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	YUCAIPA-CALIMESA JOINT USD
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12797 3RD ST
Owner/Operator City,State,Zip:	YUCAIPA, CA 92399-0000
Owner/Operator Telephone:	909-797-0174
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

YUCAIPA-CALIMESA JOINT USD (Continued) **1024799762**

Historic Generators:

Receive Date:	2000-02-14 00:00:00.0
Handler Name:	YUCAIPA-CALIMESA JOINT USD
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	61111
NAICS Description:	ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D10 **YUCAIPA HIGH SCHOOL** **CERS HAZ WASTE** **1000146777**
NNW **33000 YUCAIPA BLVD** **CHMIRS** **N/A**
1/8-1/4 **YUCAIPA, CA 92399** **NPDES**
0.127 mi. **San Bern. Co. Permit**
669 ft. **Site 2 of 2 in cluster D** **CERS**

Relative:
Lower

Actual:
2160 ft.

CERS HAZ WASTE:

Name:	YUCAIPA HIGH SCHOOL
Address:	33000 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Site ID:	87014
CERS ID:	10046818
CERS Description:	Hazardous Waste Generator

CHMIRS:

Name:	Not reported
Address:	33000 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92507
OES Incident Number:	2-2863
OES notification:	05/29/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Pepsi Bottling group
Incident Date:	5/29/200212:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	School
E Date:	Not reported
Substance:	motor oil
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Valve malfunctioned on a motor causing the spill.

NPDES:

Name:	YUCAIPA HIGH SCHOOL TRACK MODERNIZATION

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Address:	33000 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36W001111
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	05/30/2013
Operator Name:	Yucaipa Calimesa Joint Unified School District
Operator Address:	12797 3rd Street
Operator City:	Yucaipa
Operator State:	California
Operator Zip:	92399

San Bern. Co. Permit:

Name:	YUCAIPA HIGH SCHOOL
Address:	33000 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0007377
Owner:	YUCAIPA-CALIMESA JNT USD
Permit Number:	PT0004079
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	11/30/2021

Name:	YUCAIPA HIGH SCHOOL
Address:	33000 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0007377
Owner:	YUCAIPA-CALIMESA JNT USD
Permit Number:	PT0004080
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	11/30/2021

CERS:

Name:	YUCAIPA HIGH SCHOOL
Address:	33000 YUCAIPA BLVD
City,State,Zip:	YUCAIPA, CA 92399

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Site ID: 87014
CERS ID: 10046818
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 87014
Site Name: YUCAIPA HIGH SCHOOL
Violation Date: 09-09-2014
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2014. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) (1) 55-GALLON CONTAINER OF USED OIL IS MISSING THE ACCUMULATION START DATE. OPERATOR CORRECTED THE VIOLATION AT THE TIME OF THE INSPECTION BY ADDING THE ACCUMULATION START DATE TO THE DRUM. START DATE IS 5/20/2011.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 87014
Site Name: YUCAIPA HIGH SCHOOL
Violation Date: 09-09-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 10/20/2014. BUSINESS PLAN LAST SUBMITTED WAS ON 3/1/2010
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 87014
Site Name: YUCAIPA HIGH SCHOOL
Violation Date: 11-21-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 12/15/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 87014
Site Name: YUCAIPA HIGH SCHOOL
Violation Date: 09-09-2014
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/09/2014. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) (1) 55-GALLON CONTAINER OF USED OIL IS MISSING THE ACCUMULATION START DATE. OPERATOR CORRECTED THE VIOLATION AT THE TIME OF THE INSPECTION BY ADDING THE ACCUMULATION START DATE TO THE DRUM. START DATE IS 5/20/2011.
Violation Division: San Bernardino County Fire Department

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Violation Program:	HW
Violation Source:	CERS
Site ID:	87014
Site Name:	YUCAIPA HIGH SCHOOL
Violation Date:	01-27-2021
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/29/2021. Last HMBP submitted via CERS occurred on 02/28/19. CORRECTIVE ACTION: Comply by reviewing and certifying the Business Plan annually via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	87014
Site Name:	YUCAIPA HIGH SCHOOL
Violation Date:	11-21-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 12/15/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	87014
Site Name:	YUCAIPA HIGH SCHOOL
Violation Date:	11-21-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 11/21/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-27-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ACTIVITY TIME INCLUDES POST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ACTIVITY TIME INCLUDES POST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Enforcement Action:
Site ID: 87014
Site Name: YUCAIPA HIGH SCHOOL
Site Address: 33000 YUCAIPA BLVD
Site City: YUCAIPA
Site Zip: 92399
Enf Action Date: 09-09-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 87014
Site Name: YUCAIPA HIGH SCHOOL
Site Address: 33000 YUCAIPA BLVD

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Site City:	YUCAIPA
Site Zip:	92399
Enf Action Date:	09-09-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	87014
Facility Name:	YUCAIPA HIGH SCHOOL
Env Int Type Code:	HWG
Program ID:	10046818
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	34.034893
Longitude:	-117.085709

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	YUCAIPA-CALIMESA JNT USD
Entity Title:	Not reported
Affiliation Address:	12797 THIRD ST
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 797-0174
Affiliation Type Desc:	Operator
Entity Name:	YUCAIPA HIGH SCHOOL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 797-0106
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	33000 YUCAIPA BLVD
Affiliation City:	YUCAIPA

YUCAIPA HIGH SCHOOL (Continued) **1000146777**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92399
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Patrick Yamakawa
Entity Title:	Not reported
Affiliation Address:	12797 3RD STREET
Affiliation City:	YUCAIPA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92399
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Yucaipa-Calimesa Joint Unified School Dist
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	Tim Ryan
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Patrick Yamakawa
Entity Title:	maintenance manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	Yucaipa-Calimesa Joint Unified School District
Entity Title:	Not reported
Affiliation Address:	123797 Third Street
Affiliation City:	Yucaipa
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92399
Affiliation Phone:	(909) 707-1074

11 SW 1/8-1/4 0.207 mi. 1092 ft. | **OLD BUSES**
32817 AVENUE D
YUCAIPA, CA 92399 | **San Bern. Co. Permit** | **S106803285**
N/A

Relative: Lower
Actual: 2122 ft.

San Bern. Co. Permit:

Name:	OLD BUSES
Address:	32817 AVENUE D
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0009077
Owner:	YOST, RICHARD
Permit Number:	PT0015091
Permit Category:	CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	10/31/2004

Name:	OLD BUSES
Address:	32817 AVENUE D
City,State,Zip:	YUCAIPA, CA 92399
Region:	SAN BERNARDINO
Facility ID:	FA0009077
Owner:	YOST, RICHARD
Permit Number:	PT0015092
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	10/31/2004

---

12 ENE 1/4-1/2 0.310 mi. 1636 ft. | **YUCAIPA DISPOSAL**
12073 10TH ST
YUCAIPA, CA 92399 | **LUST**
Cortese
HIST CORTESE
CERS | **S103771225**
N/A

Relative: Higher
Actual: 2241 ft.

LUST:

Name:	YUCAIPA DISPOSAL
Address:	12073 10TH ST
City,State,Zip:	YUCAIPA, CA 92399
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100551
Global Id:	T0607100551
Latitude:	34.0338378
Longitude:	-117.0776842
Status:	Completed - Case Closed
Status Date:	03/09/2000
Case Worker:	Not reported
RB Case Number:	083603394T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	99033
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607100551
Contact Type:	Regional Board Caseworker
Contact Name:	MIGUEL OVIEDO

YUCAIPA DISPOSAL (Continued) **S103771225**

Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

LUST:
Global Id: T0607100551
Action Type: ENFORCEMENT
Date: 02/25/2000
Action: LOP Case Closure Summary to RB

Global Id: T0607100551
Action Type: Other
Date: 12/08/1998
Action: Leak Discovery

Global Id: T0607100551
Action Type: Other
Date: 12/08/1998
Action: Leak Stopped

Global Id: T0607100551
Action Type: ENFORCEMENT
Date: 03/09/2000
Action: Closure/No Further Action Letter

Global Id: T0607100551
Action Type: Other
Date: 02/17/1999
Action: Leak Reported

LUST:
Global Id: T0607100551
Status: Open - Case Begin Date
Status Date: 12/08/1998

Global Id: T0607100551
Status: Open - Site Assessment
Status Date: 12/08/1998

Global Id: T0607100551
Status: Completed - Case Closed
Status Date: 03/09/2000

LUST REG 8:
Name: YUCAIPA DISPOSAL
Address: 12073 10TH ST
City: YUCAIPA
Region: 8
County: San Bernardino
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083603394T
Local Case Num: 99033

YUCAIPA DISPOSAL (Continued) **S103771225**

Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100551
How Stopped Date:	12/8/1998
Enter Date:	3/24/1999
Date Confirmation of Leak Began:	12/8/1998
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/8/1998
Enforcement Date:	Not reported
Close Date:	3/9/2000
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/24/1999
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0337041
Longitude:	-117.077616
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	TME
Staff Initials:	BM7
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CORTESE:

Name:	YUCAIPA DISPOSAL
Address:	12073 10TH ST
City,State,Zip:	YUCAIPA, CA 92399
Region:	CORTESE
Envirostor Id:	Not reported

YUCAIPA DISPOSAL (Continued) **S103771225**

Global ID:	T0607100551
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	YUCAIPA DISPOSAL
edr_fadd1:	12073
City,State,Zip:	YUCAIPA, CA 92399
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083603394T

CERS:

Name:	YUCAIPA DISPOSAL
Address:	12073 10TH ST
City,State,Zip:	YUCAIPA, CA 92399
Site ID:	187671
CERS ID:	T0607100551
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517823238

13 NNW 1/2-1 0.512 mi. 2702 ft. | **PROPOSED ELEMENTARY NO. 8-SITE 2**
CHAPMAN HEIGHTS
YUCAIPA, CA 92399 | **ENVIROSTOR SCH** | **S107737075 N/A**

Relative: Higher

Actual: 2326 ft.

ENVIROSTOR:

Name:	PROPOSED ELEMENTARY NO. 8-SITE 2
Address:	CHAPMAN HEIGHTS
City,State,Zip:	YUCAIPA, CA 92399
Facility ID:	60000192
Status:	No Further Action
Status Date:	07/12/2006
Site Code:	404686
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	14.0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	42
Senate:	23
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.04085
Longitude:	-117.0861
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING
Potential COC:	Methane TPH-diesel
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	Chapman Heights Site 2
Alias Type:	Alternate Name
Alias Name:	404686
Alias Type:	Project Code (Site Code)
Alias Name:	60000192
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/20/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/25/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	07/12/2006

PROPOSED ELEMENTARY NO. 8-SITE 2 (Continued) **S107737075**

Comments:	DTSC issued a No Further Action determination based on a Preliminary Environmental Assessment Report.
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:

Name:	PROPOSED ELEMENTARY NO. 8-SITE 2
Address:	CHAPMAN HEIGHTS
City,State,Zip:	YUCAIPA, CA 92399
Facility ID:	60000192
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	14.0
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	S. Steven Hariri
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404686
Assembly:	42
Senate:	23
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	07/12/2006
Restricted Use:	NO
Funding:	School District
Latitude:	34.04085
Longitude:	-117.0861
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING
Potential COC:	Methane, TPH-diesel
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV
Alias Name:	Chapman Heights Site 2
Alias Type:	Alternate Name
Alias Name:	404686
Alias Type:	Project Code (Site Code)
Alias Name:	60000192
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	03/20/2006

PROPOSED ELEMENTARY NO. 8-SITE 2 (Continued) **S107737075**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/25/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/12/2006
Comments: DTSC issued a No Further Action determination based on a Preliminary Environmental Assessment Report.

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

14
NE
1/2-1
0.719 mi.
3798 ft.

ELEMENTARY SCHOOL NO. 8 **ENVIROSTOR** **S110042428**
CHAPMAN HEIGHTS/PENN BROOK PLACE **N/A**
YUCAIPA, CA 92399

Relative:
Higher

Actual:
2362 ft.

ENVIROSTOR:
Name: ELEMENTARY SCHOOL NO. 8
Address: CHAPMAN HEIGHTS/PENN BROOK PLACE
City,State,Zip: YUCAIPA, CA 92399
Facility ID: 36010019
Status: Inactive - Needs Evaluation
Status Date: 11/10/2010
Site Code: 404447
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 13.8
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: * Tawfiq Deek
Division Branch: Cleanup Cypress
Assembly: 42
Senate: 23
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 34.02819
Longitude: -117.0489
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS

ELEMENTARY SCHOOL NO. 8 (Continued) **S110042428**

Potential COC: DDD Methane DDT TPH-diesel Benzene DDE
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: CHAPMAN HEIGHTS ELEMENTARY
Alias Type: Alternate Name
Alias Name: ELEMENTARY SCHOOL NO. 8
Alias Type: Alternate Name
Alias Name: YUCAIPA CALIMESA JOINT USD-ELEMENTARY #8
Alias Type: Alternate Name
Alias Name: YUCAIPA-CALIMESA USD-CHAPMAN HTS/VCA
Alias Type: Alternate Name
Alias Name: 400792
Alias Type: Project Code (Site Code)
Alias Name: 404005
Alias Type: Project Code (Site Code)
Alias Name: 404447
Alias Type: Project Code (Site Code)
Alias Name: 36010019
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: 07/07/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/25/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/13/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/17/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/23/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE

ELEMENTARY SCHOOL NO. 8 (Continued) **S110042428**

Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	05/23/2003
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	10/15/2010
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: 21 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN BERNARDINO COUNT	S121620484	APARTMENT COMPLEX,YUCAIPA	13TH AND YUCAIPA BLVD		CIWQS
YUCAIPA	S121693029	YUCAIPA PARK TRACT 17343	3RD ST BTWN D ST & YUCAIPA BLV	92399	CIWQS
YUCAIPA	S121693033	YUCAIPA RETAIL	7TH ST & YUCAIPA BLVD	92399	CIWQS
YUCAIPA	S121693032	YUCAIPA RETAIL CTR	NW CORNER YUCAIPA BLVD & OAK G		CIWQS
YUCAIPA	S107539606		NW CORNER OF YUCAIPA BLVE & I-		CDL
YUCAIPA	1023266501	YUCAIPA SHOPS	ON HAMPTON ROAD APROXIMATELY 5	92399	FINDS
YUCAIPA	S121693037	YUCAIPA SHOPS	ON HAMPTON ROAD APROXIMATELY 5	92399	CIWQS
YUCAIPA	S114734552	YUCAIPA REFUSE DISPOSAL SITE	1 MI N OF YUCAIPA BLVD; 1 MI W		RGA LF
YUCAIPA	S123530582	YUCAIPA REFUSE DISPOSAL SITE	1 MI N OF YUCAIPA BLVD; 1 MI W	92399	CERS
YUCAIPA	S121693034	YUCAIPA RETAIL	NEC YUCAIPA BLVD & I 10 FWY	92399	CIWQS
YUCAIPA	S107540227		PARK N RIDE/NW CORNER YUCAIPA	92399	CDL
YUCAIPA	S124875383	STATER BROS MARKETS # 23 YUCAIPA	34460 YUCAIPA BLVD	92399	HWTS
YUCAIPA	S112877629	HARBERKEN - YUCAIPA LTD	3448 YUCAIPA BLVD	92399	HAZNET, HWTS
YUCAIPA	S124837730	STEVE'S YUCAIPA TIRE & AUTO SERVIC	34952 YUCAIPA BLVD	92399	HWTS
YUCAIPA	S124811701	YUCAIPA AUTO MACHINE	34331 YUCAIPA BLVD	92399	HWTS
YUCAIPA	S124522017	CITY OF YUCAIPA	34272 YUCAIPA BLVD	92399	HWTS
YUCAIPA	S121699679	USA CLEANERS YUCAIPA	34488 YUCAIPA BLVD STE C & D	92399	DRYCLEANERS
YUCAIPA	S121693018	YUCAIPA BLVD STREET IMPROVEMENTS	ON YUCAIPA BLVD BETWEEN 5TH ST	92399	CIWQS
YUCAIPA	S121693039	YUCAIPA VALLEY CTR	YUCAIPA BLVD AND OAK GLEN RD	92399	CIWQS
YUCAIPA	S124634240	CITY OF YUCAIPA	35058 YUCAIPA BLVD	92399	HWTS
YUCAIPA	S124929941	DULCE DIA LLC DBA YUCAIPA AUTO SPA	34712 YUCAIPA BLVD	92399	HWTS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
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: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/25/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 05/10/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/05/2021
Next Scheduled EDR Contact: 11/22/2021
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: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
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: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
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: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 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 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 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: 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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

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

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

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: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/22/2021
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: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 04/23/2021
Date Data Arrived at EDR: 04/23/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/14/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/27/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 04/04/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 05/04/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
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: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
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: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

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: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
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: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 09/13/2021
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: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
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: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/15/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
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: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

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: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
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: No Update Planned

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: No Update Planned

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: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/25/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
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: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
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: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
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: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/05/2021
Number of Days to Update: 78

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
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: 05/25/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

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: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
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: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 05/13/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 74

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
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: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
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: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 05/06/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 09/27/2021
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: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/12/2021
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 09/13/2021
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: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 04/22/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
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: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/12/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/02/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 81

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
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: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 73

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/28/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 77

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/27/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/01/2021
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: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

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: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: No Update Planned

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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
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: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
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: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
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: 03/29/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 07/12/2021
Number of Days to Update: 81

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
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: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
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: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

YUCAIPA PROPERTY
32999 YUCAIPA BOULEVARD
YUCAIPA, CA 92399

TARGET PROPERTY COORDINATES

Latitude (North):	34.032646 - 34˚ 1' 57.53''
Longitude (West):	117.083951 - 117˚ 5' 2.22''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	492250.1
UTM Y (Meters):	3765584.2
Elevation:	2170 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630639 YUCAIPA, 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).

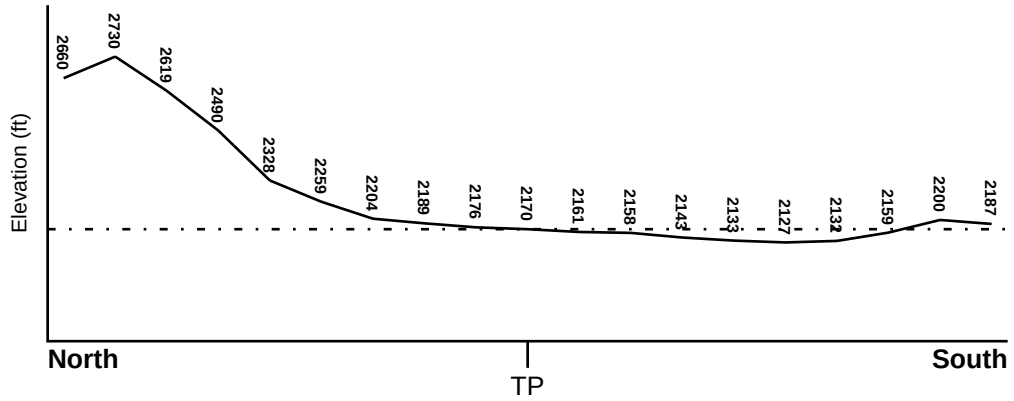
TOPOGRAPHIC INFORMATION

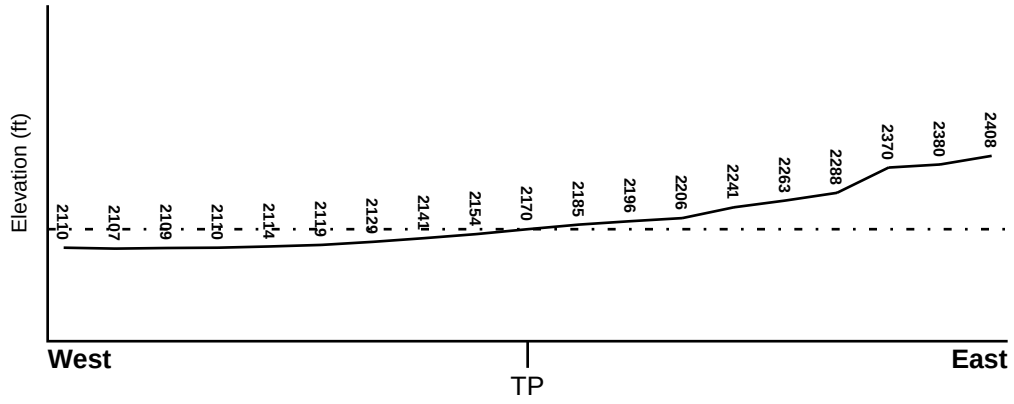
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 2170 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06071C8740H	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
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

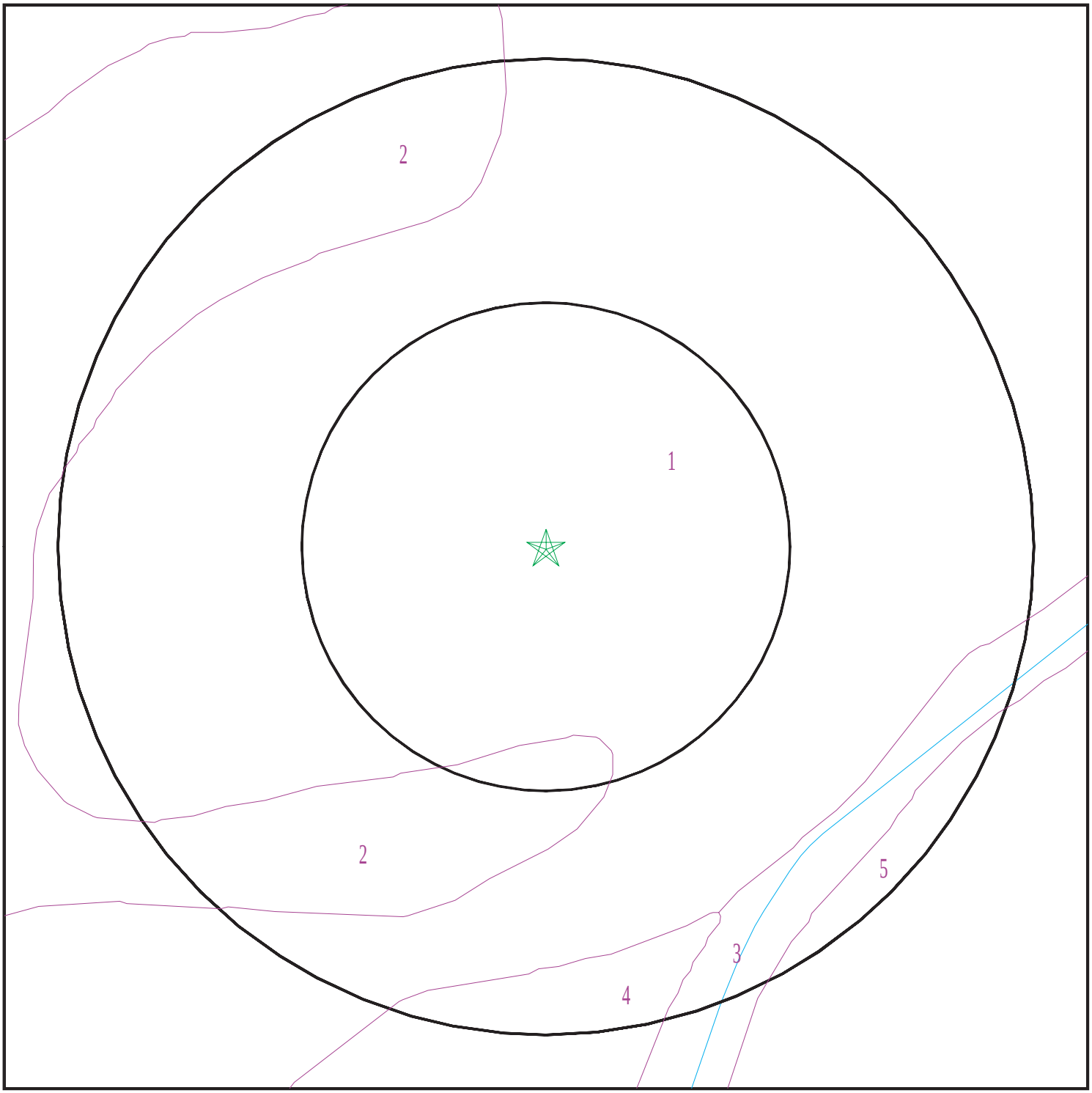
Era:	Mesozoic
System:	Cretaceous
Series:	Upper Mesozoic
Code:	uMze*(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

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 - 6639669.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Yucaipa Property	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	32999 Yucaipa Boulevard Yucaipa CA 92399	CONTACT:	Cole Mikesell
		INQUIRY #:	6639669.2s
LAT/LONG:	34.032646 / 117.083951	DATE:	August 27, 2021 6:11 pm

Copyright © 2021 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Hanford

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	11 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 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 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 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 2

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: 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	16 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 Min: 14	Max: 7.8 Min: 6.6
2	16 inches	50 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 Min: 14	Max: 7.8 Min: 6.6
3	50 inches	59 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 Min: 14	Max: 7.8 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: FLUVENTS

Soil Surface Texture: gravelly sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
2	9 inches	29 inches	stratified gravelly sand to gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6
3	29 inches	59 inches	stratified gravelly sand to gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6

Soil Map ID: 4

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: 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	35 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
2	35 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

Soil Map ID: 5

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	USGS40000139936	0 - 1/8 Mile NNW
B7	USGS40000139937	1/8 - 1/4 Mile NW
C11	USGS40000139901	1/8 - 1/4 Mile SSE
D14	USGS40000139941	1/8 - 1/4 Mile ENE
15	USGS40000139938	1/8 - 1/4 Mile WNW
D16	USGS40000139945	1/8 - 1/4 Mile NE
D17	USGS40000139944	1/4 - 1/2 Mile NE
E20	USGS40000139879	1/4 - 1/2 Mile SSW
E21	USGS40000139880	1/2 - 1 Mile SSW
E26	USGS40000139881	1/2 - 1 Mile SSW
G30	USGS40000139863	1/2 - 1 Mile SSE
I33	USGS40000139893	1/2 - 1 Mile WSW
H34	USGS40000139895	1/2 - 1 Mile WSW
I39	USGS40000139890	1/2 - 1 Mile SW
J44	USGS40000139844	1/2 - 1 Mile SSW
46	USGS40000139908	1/2 - 1 Mile West
K47	USGS40000139871	1/2 - 1 Mile SE
51	USGS40000139907	1/2 - 1 Mile East
L53	USGS40000139875	1/2 - 1 Mile WSW
M60	USGS40000139866	1/2 - 1 Mile SW
M61	USGS40000139865	1/2 - 1 Mile SW
M62	USGS40000139867	1/2 - 1 Mile SW
M63	USGS40000139869	1/2 - 1 Mile SW
M64	USGS40000139868	1/2 - 1 Mile SW
77	USGS40000139825	1/2 - 1 Mile South

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.

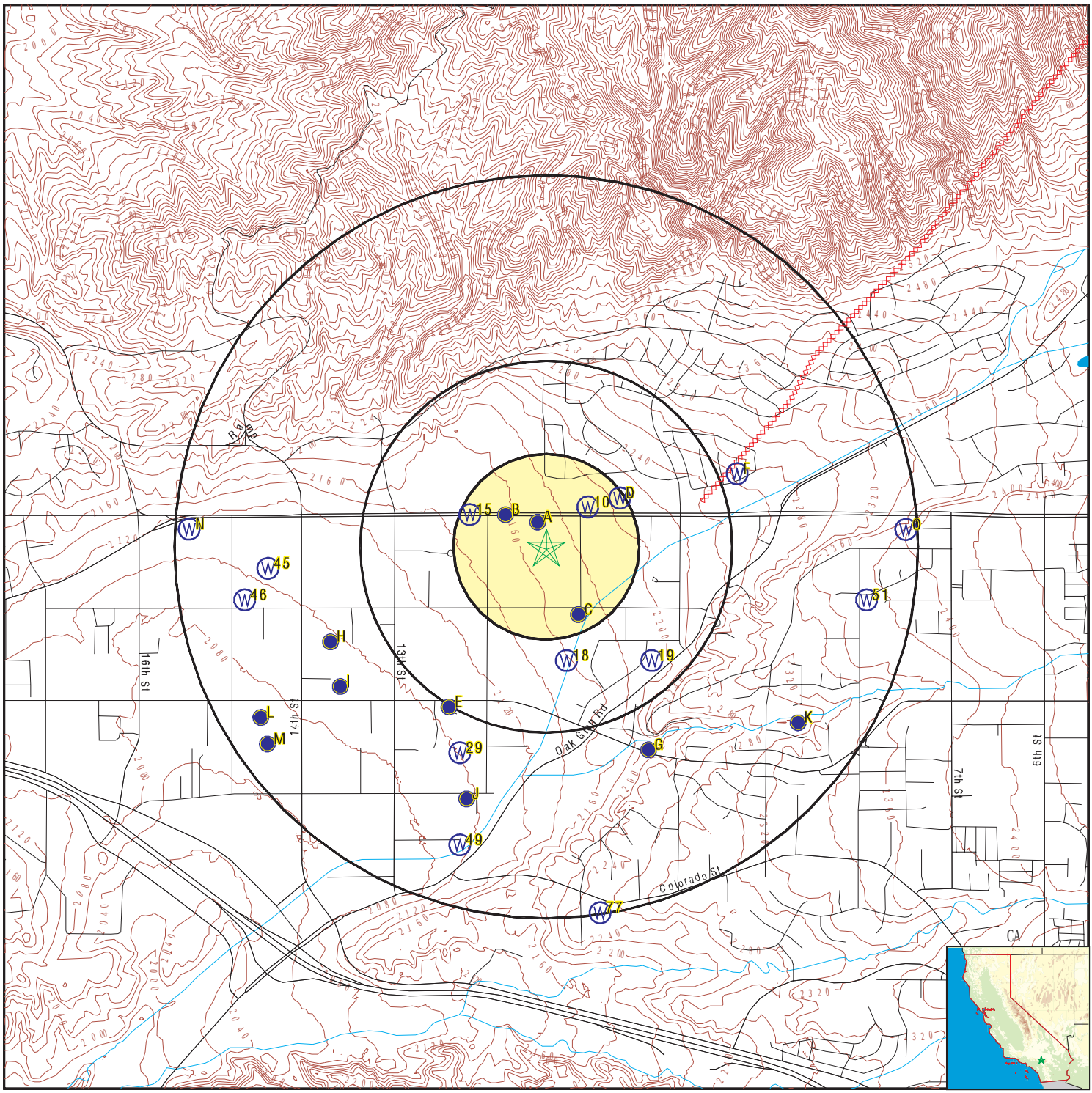
STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	2388	0 - 1/8 Mile NNW
A2	784	0 - 1/8 Mile NNW
A3	CADDW0000020163	0 - 1/8 Mile NE
A4	CAUSGSN00001166	0 - 1/8 Mile NNW
A6	CADWR0000032748	0 - 1/8 Mile NW
B8	CADWR9000006456	1/8 - 1/4 Mile NW
B9	CADWR0000030770	1/8 - 1/4 Mile NW
10	CADWR9000006458	1/8 - 1/4 Mile NE
C12	CAUSGSN00011194	1/8 - 1/4 Mile SSE
C13	CADDW0000003154	1/8 - 1/4 Mile SSE
18	CADWR0000028217	1/4 - 1/2 Mile South
19	CADWR0000030644	1/4 - 1/2 Mile SE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E22	CAUSGS000001754	1/2 - 1 Mile SSW
E23	CAUSGSN00018072	1/2 - 1 Mile SSW
E24	CADDW0000011555	1/2 - 1 Mile SSW
E25	CAUSGSN00008357	1/2 - 1 Mile SSW
F27	CADWR0000034201	1/2 - 1 Mile ENE
F28	CADWR0000035373	1/2 - 1 Mile ENE
29	CADWR0000004203	1/2 - 1 Mile SSW
G31	CAUSGSN00012024	1/2 - 1 Mile SSE
H32	CADDW0000017216	1/2 - 1 Mile WSW
H35	CAUSGSN00009665	1/2 - 1 Mile WSW
I36	CADDW0000013469	1/2 - 1 Mile WSW
I37	CAUSGSN00000414	1/2 - 1 Mile SW
I38	CAUSGS000001919	1/2 - 1 Mile SW
I40	CADDW0000000826	1/2 - 1 Mile SW
J41	CADDW0000012584	1/2 - 1 Mile SSW
J42	CAUSGSN00012653	1/2 - 1 Mile SSW
J43	CAUSGS000002215	1/2 - 1 Mile SSW
45	CADWR0000004114	1/2 - 1 Mile West
K48	CADWR9000006422	1/2 - 1 Mile SE
49	CADWR0000000671	1/2 - 1 Mile SSW
L50	CADDW0000014831	1/2 - 1 Mile WSW
L52	CAUSGSN00012536	1/2 - 1 Mile WSW
L54	CADDW0000021785	1/2 - 1 Mile SW
M55	CADWR9000006418	1/2 - 1 Mile SW
M56	CADWR9000006417	1/2 - 1 Mile SW
M57	CADWR9000006419	1/2 - 1 Mile SW
M58	CADWR9000006421	1/2 - 1 Mile SW
M59	CADWR9000006420	1/2 - 1 Mile SW
M65	CAUSGSN00002866	1/2 - 1 Mile SW
M66	CAUSGSN00006117	1/2 - 1 Mile SW
M67	CAUSGSN00008461	1/2 - 1 Mile SW
M68	CAUSGSN00013816	1/2 - 1 Mile SW
M69	CAUSGSN00011254	1/2 - 1 Mile SW
N70	CADDW0000008404	1/2 - 1 Mile West
M71	CADWR0000017372	1/2 - 1 Mile SW
O72	2384	1/2 - 1 Mile East
N73	2392	1/2 - 1 Mile West
N74	168	1/2 - 1 Mile West
N75	2394	1/2 - 1 Mile West
N76	2393	1/2 - 1 Mile West
O78	CADDW0000006520	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 6639669.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Yucaipa Property	CLIENT:	Geocon Env. Consultants, Inc.
ADDRESS:	32999 Yucaipa Boulevard Yucaipa CA 92399	CONTACT:	Cole Mikesell
		INQUIRY #:	6639669.2s
LAT/LONG:	34.032646 / 117.083951	DATE:	August 27, 2021 6:11 pm

Copyright © 2021 EDR, Inc. © 2015 TomTom Rel. 2015.

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **NNW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**2388**

Seq:	2388	Prim sta c:	02S/02W-03E01 S
Frds no:	3610053007	County:	36
District:	13	User id:	TAN
System no:	3610053	Water type:	G
Source nam:	WELL 06 - STANDBY	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1170500.0
Precision:	8	Status:	SR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610053	System nam:	Western Heights Water Company
Hqname:	WESTERN HEIGHTS WATER COMPANY	Address:	32352 AVENUE D
City:	YUCAIPA	State:	CA
Zip:	92399	Zip ext:	Not Reported
Pop serv:	5000	Connection:	2165
Area serve:	WESTERN HACAIDA VICINITY		

A2 **NNW** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**784**

Seq:	784	Prim sta c:	01S/02W-34N02 S
Frds no:	3610037052	County:	36
District:	13	User id:	TAN
System no:	3610037	Water type:	G
Source nam:	YUCAIPA BLVD WELL - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1170500.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610037	System nam:	Redlands City Mud-Water Div
Hqname:	Not Reported	Address:	PO BOX 3005
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	69300	Connection:	18447
Area serve:	REDLANDS		

A3 **NE** **0 - 1/8 Mile** **Higher**	**CA WELLS**	**CADDW0000020163**

Well ID:	3610037-052	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	YUCAIPA BLVD WELL - INACTIVE		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610037-052&store_num=		

GeoTracker Data: Not Reported

A4
NNW
0 - 1/8 Mile
Lower

CA WELLS **CAUSGSN00001166**

Well ID:	USGS-340202117050201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340202117050201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340202117050201&store_num=		
GeoTracker Data:	Not Reported		

A5
NNW
0 - 1/8 Mile
Lower

FED USGS **USGS40000139936**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S002W34N001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	10	Level reading date:	1960-03-09
Feet below surface:	236.2	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1955-03-16	Feet below surface:	215.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1928-01-12	Feet below surface:	100.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-12-06	Feet below surface:	102.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1927-11-03	Feet below surface:	105.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1926-12-02	Feet below surface:	98.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1926-08-14	Feet below surface:	100.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1925-08-01	Feet below surface:	96.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1924-09-15	Feet below surface:	92.7

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1921-10-04	Feet below surface:	88.3
Feet to sea level:	Not Reported	Note:	Not Reported

A6
NW **CA WELLS** **CADWR0000032748**
0 - 1/8 Mile
Lower

Well ID:	01S02W34N001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S02W34N001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S02W34N001S&store_num=		
GeoTracker Data:	Not Reported		

B7
NW **FED USGS** **USGS40000139937**
1/8 - 1/4 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S002W34N002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19280101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	648
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1986-06-18
Feet below surface:	264.88	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1986-01-27	Feet below surface:	258.60
Feet to sea level:	Not Reported	Note:	Not Reported

B8
NW **CA WELLS** **CADWR9000006456**
1/8 - 1/4 Mile
Lower

State Well #:	01S02W34N001S	Station ID:	6576
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
B9 **NW** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CADWR0000030770**

Well ID:	01S02W34N002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S02W34N002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S02W34N002S&store_num=		
GeoTracker Data:	Not Reported		

---

10 **NE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CADWR9000006458**

State Well #:	01S02W34P001S	Station ID:	29228
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

C11 **SSE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS40000139901**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W03E001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	599
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

C12 **SSE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CAUSGSN00011194**

Well ID:	USGS-340148117045401	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340148117045401	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340148117045401&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
C13 **SSE** **1/8 - 1/4 Mile** **Higher**	**CA WELLS**	**CADDW0000003154**

Well ID:	3610053-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 06 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-007&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
D14 **ENE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS40000139941**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S002W34P001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1953-09-08
Feet below surface:	273.97	Feet to sea level:	Not Reported
Note:	Not Reported		

	Database	EDR ID Number
15 **WNW** **1/8 - 1/4 Mile** **Lower**	**FED USGS**	**USGS40000139938**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S002W33R001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19000101	Well Depth:	954
Well Depth Units:	ft	Well Hole Depth:	954
Well Hole Depth Units:	ft		

Map ID Direction Distance Elevation	Database	EDR ID Number
D16 **NE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS40000139945**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S002W34P002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19480101	Well Depth:	400
Well Depth Units:	ft	Well Hole Depth:	515
Well Hole Depth Units:	ft		

D17 **NE** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS40000139944**	

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S002W34P003S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19480101	Well Depth:	644
Well Depth Units:	ft	Well Hole Depth:	664
Well Hole Depth Units:	ft		

---

18 **South** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADWR0000028217**	

Well ID:	02S02W03E001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S02W03E001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S02W03E001S&store_num=		
GeoTracker Data:	Not Reported		

---

19 **SE** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CADWR0000030644**	

Well ID:	02S02W03F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S02W03F001S	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S02W03F001S&store_num=
GeoTracker Data:	Not Reported

E20
SSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000139879**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04J001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	788
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

E21
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139880**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04J003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
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:	19980825	Well Depth:	1100
Well Depth Units:	ft	Well Hole Depth:	1120
Well Hole Depth Units:	ft		

E22
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGS000001754**

Well ID:	USAWU-02	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Name:	USAWU-02	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGS&samp_date=&global_id=&assigned_name=USAWU-02&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
E23 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00018072**

Well ID:	USGS-340135117051502	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340135117051502	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340135117051502&store_num=		
GeoTracker Data:	Not Reported		

E24 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000011555**

Well ID:	3610053-011	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 12	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-011&store_num=		
GeoTracker Data:	Not Reported		

E25 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00008357**

Well ID:	USGS-340135117051601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340135117051601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340135117051601&store_num=		
GeoTracker Data:	Not Reported		

E26 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139881**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04J002S	Type:	Well
Description:	PRODUCTION WELL	HUC:	18070203
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:	19900215	Well Depth:	1100
Well Depth Units:	ft	Well Hole Depth:	1120
Well Hole Depth Units:	ft		

Map ID Direction Distance Elevation	Database	EDR ID Number
F27 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR0000034201**

Well ID:	01S02W34Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S02W34Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S02W34Q001S&store_num=		
GeoTracker Data:	Not Reported		

F28 **ENE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR0000035373**

Well ID:	01S02W34Q002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S02W34Q002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S02W34Q002S&store_num=		
GeoTracker Data:	Not Reported		

---

29 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000004203**

Well ID:	02S02W04J001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S02W04J001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S02W04J001S&store_num=		
GeoTracker Data:	Not Reported		

G30 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000139863**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W03L001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	505
Well Depth Units:	ft	Well Hole Depth:	505
Well Hole Depth Units:	ft		

Map ID Direction Distance Elevation	Database	EDR ID Number
G31 **SSE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAUSGSN00012024**

Well ID:	USGS-340129117044201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340129117044201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340129117044201&store_num=		
GeoTracker Data:	Not Reported		

H32 **WSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000017216**

Well ID:	3610053-002	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 02-A - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-002&store_num=		
GeoTracker Data:	Not Reported		

I33 **WSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139893**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04G002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	615
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

H34 **WSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139895**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04G003S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19870508	Well Depth:	630
Well Depth Units:	ft	Well Hole Depth:	673
Well Hole Depth Units:	ft		

H35
WSW **CA WELLS** **CAUSGSN00009665**
1/2 - 1 Mile
Lower

Well ID:	USGS-340144117053601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340144117053601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340144117053601&store_num=		
GeoTracker Data:	Not Reported		

I36
WSW **CA WELLS** **CADDW0000013469**
1/2 - 1 Mile
Lower

Well ID:	3610053-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 03 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-003&store_num=		
GeoTracker Data:	Not Reported		

I37
SW **CA WELLS** **CAUSGSN00000414**
1/2 - 1 Mile
Lower

Well ID:	USGS-340137117053501	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340137117053501	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340137117053501&store_num=		
GeoTracker Data:	Not Reported		

I38
SW **CA WELLS** **CAUSGS000001919**
1/2 - 1 Mile
Lower

Well ID:	USAWY-04	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Name:	USAWY-04	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGS&samp_date=&global_id=&assigned_name=USAWY-04&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
I39 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139890**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04G004S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19970423	Well Depth:	1710
Well Depth Units:	ft	Well Hole Depth:	1720
Well Hole Depth Units:	ft		

I40 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000000826**

Well ID:	3610053-010	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 11	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-010&store_num=		
GeoTracker Data:	Not Reported		

J41 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000012584**

Well ID:	3610053-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 09 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-008&store_num=		
GeoTracker Data:	Not Reported		

J42 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00012653**

Well ID:	USGS-340120117051301	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340120117051301	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340120117051301&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
J43 **SSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGS000002215**

Well ID:	USAWY-03	Well Type:	MUNICIPAL
Source:	United States Geological Survey		
Other Name:	USAWY-03	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGS&samp_date=&global_id=&assigned_name=USAWY-03&store_num=		
GeoTracker Data:	Not Reported		

J44 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139844**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04R001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19600201	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	600
Well Hole Depth Units:	ft		

---

45 **West** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000004114**

Well ID:	02S02W04C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S02W04C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S02W04C001S&store_num=		
GeoTracker Data:	Not Reported		

---

46 **West** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139908**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	712
Well Depth Units:	ft	Well Hole Depth:	712
Well Hole Depth Units:	ft		

K47
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000139871**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W03J001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
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:	19900322	Well Depth:	1180
Well Depth Units:	ft	Well Hole Depth:	1198
Well Hole Depth Units:	ft		

K48
SE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000006422**

State Well #:	02S02W03J001S	Station ID:	46656
Well Name:	Well 49	Basin Name:	Yucaipa
Well Use:	Observation	Well Type:	Single Well
Well Depth:	1180	Well Completion Rpt #:	341209

49
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000000671**

Well ID:	02S02W04R001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S02W04R001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S02W04R001S&store_num=		
GeoTracker Data:	Not Reported		

L50
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000014831**

Well ID:	3610053-004	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 04 - DESTROYED ON 11-28-06		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-004&store_num=		

GeoTracker Data: Not Reported

51
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000139907**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W02D002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	506
Well Depth Units:	ft	Well Hole Depth:	750
Well Hole Depth Units:	ft		

L52
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00012536**

Well ID:	USGS-340134117054801	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340134117054801	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340134117054801&store_num=		
GeoTracker Data:	Not Reported		

L53
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139875**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04L001S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	530
Well Depth Units:	ft	Well Hole Depth:	537
Well Hole Depth Units:	ft		

Map ID Direction Distance Elevation	Database	EDR ID Number
L54 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000021785**

Well ID:	3610053-012	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 14	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-012&store_num=		
GeoTracker Data:	Not Reported		

M55 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000006418**

State Well #:	02S02W04L003S	Station ID:	26123
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

M56 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000006417**

State Well #:	02S02W04L002S	Station ID:	26095
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

M57 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000006419**

State Well #:	02S02W04L004S	Station ID:	37839
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

M58 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000006421**

State Well #:	02S02W04L006S	Station ID:	37840
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
M59 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR9000006420**

State Well #:	02S02W04L005S	Station ID:	26096
Well Name:	Not Reported	Basin Name:	Yucaipa
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

M60 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139866**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04L003S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	20040422	Well Depth:	850
Well Depth Units:	ft	Well Hole Depth:	1102
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	2004-11-17
Feet below surface:	310.06	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-09-02	Feet below surface:	333.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-11	Feet below surface:	327.69
Feet to sea level:	Not Reported	Note:	Not Reported

M61 **SW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000139865**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04L002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	20040422	Well Depth:	1050
Well Depth Units:	ft	Well Hole Depth:	1102
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	2004-11-17

Feet below surface:	310.60	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-09-02	Feet below surface:	333.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-11	Feet below surface:	329.53
Feet to sea level:	Not Reported	Note:	Not Reported

M62
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139867**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04L004S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	20040422	Well Depth:	610
Well Depth Units:	ft	Well Hole Depth:	1102
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	2004-11-17
Feet below surface:	309.40	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-09-02	Feet below surface:	327.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-11	Feet below surface:	322.20
Feet to sea level:	Not Reported	Note:	Not Reported

M63
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139869**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04L006S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	20040422	Well Depth:	250
Well Depth Units:	ft	Well Hole Depth:	1102
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	2004-11-17
Feet below surface:	126.97	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-09-02	Feet below surface:	125.2

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-11	Feet below surface:	127.39
Feet to sea level:	Not Reported	Note:	Not Reported

M64
SW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139868**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W04L005S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	20040422	Well Depth:	460
Well Depth Units:	ft	Well Hole Depth:	1102
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	2004-11-17
Feet below surface:	311.12	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2004-09-02	Feet below surface:	325.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2004-08-11	Feet below surface:	322.15
Feet to sea level:	Not Reported	Note:	Not Reported

M65
SW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00002866**

Well ID:	USGS-340130117054901	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340130117054901	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340130117054901&store_num=		
GeoTracker Data:	Not Reported		

M66
SW
1/2 - 1 Mile
Lower

CA WELLS **CAUSGSN00006117**

Well ID:	USGS-340130117054902	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340130117054902	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340130117054902&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
M67 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00008461**

Well ID:	USGS-340130117054905	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340130117054905	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340130117054905&store_num=		
GeoTracker Data:	Not Reported		

M68 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00013816**

Well ID:	USGS-340130117054904	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340130117054904	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340130117054904&store_num=		
GeoTracker Data:	Not Reported		

M69 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAUSGSN00011254**

Well ID:	USGS-340130117054903	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340130117054903	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340130117054903&store_num=		
GeoTracker Data:	Not Reported		

N70 **West** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADDW0000008404**

Well ID:	3610053-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01 - DESTROYED 4/8/92		
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610053-001&store_num=		
GeoTracker Data:	Not Reported		

Map ID Direction Distance Elevation	Database	EDR ID Number
M71 **SW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000017372**

Well ID:	02S02W04L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S02W04L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S02W04L001S&store_num=		
GeoTracker Data:	Not Reported		

O72 **East** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**2384**

Seq:	2384	Prim sta c:	02S/02W-02D02 S
Frds no:	3610055009	County:	36
District:	13	User id:	TAN
System no:	3610055	Water type:	G
Source nam:	WELL 08 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1170400.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610055	System nam:	Yucaipa Valley Wd Id-A&2
Hqname:	YUCAIPA VALLEY WD ID-A&2	Address:	P.O. BOX 730
City:	YUCAIPA	State:	CA
Zip:	92399	Zip ext:	Not Reported
Pop serv:	34000	Connection:	7831
Area serve:	YUCAIPA		

N73 **West** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**2392**

Seq:	2392	Prim sta c:	02S/02W-04C01 S
Frds no:	3610053001	County:	36
District:	13	User id:	TAN
System no:	3610053	Water type:	G
Source nam:	WELL 01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1170600.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610053	System nam:	Western Heights Water Company
Hqname:	WESTERN HEIGHTS WATER COMPANY	Address:	32352 AVENUE D
City:	YUCAIPA	State:	CA
Zip:	92399	Zip ext:	Not Reported

Pop serv:	5000	Connection:	2165
Area serve:	WESTERN HACAIDA VICINITY		

N74
West
1/2 - 1 Mile
Lower

CA WELLS 168

Seq:	168	Prim sta c:	01N/05E-36M02 S
Frds no:	3610073008	County:	36
District:	13	User id:	TAN
System no:	3610073	Water type:	G
Source nam:	WELL 12E	Station ty:	WELL/AMBNT
Latitude:	340200.0	Longitude:	1170600.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610073	System nam:	Hi Desert Wd
Hqname:	Not Reported	Address:	P O BOX 1210
City:	YUCCA VALLEY	State:	CA
Zip:	92286	Zip ext:	1210
Pop serv:	28000	Connection:	8141
Area serve:	EAST YUCCA VALLEY		

Sample date:	29-MAR-18	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-MAR-18	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-MAR-18	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-MAR-18	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-FEB-18	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-FEB-18	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-FEB-18	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-FEB-18	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-JAN-18	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	18-JAN-18	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-JAN-18	Finding:	36.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	11-JAN-18	Finding:	0.25
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	11-JAN-18	Finding:	75.
Chemical:	BARIUM	Report units:	UG/L
Dlr:	100.		
Sample date:	11-JAN-18	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	0.47
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	11-JAN-18	Finding:	65.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	38.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	9.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	47.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-JAN-18	Finding:	96.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	96.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	11-JAN-18	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-JAN-18	Finding:	520.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	04-JAN-18	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	28-DEC-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-DEC-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-DEC-17	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-DEC-17	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	30-NOV-17	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-NOV-17	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-NOV-17	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-NOV-17	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-NOV-17	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-OCT-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-OCT-17	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	12-OCT-17	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-OCT-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	28-SEP-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-SEP-17	Finding:	2.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-SEP-17	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-SEP-17	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-AUG-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-AUG-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-AUG-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-AUG-17	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	26-JUL-17	Finding:	3.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-JUL-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-JUL-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-JUL-17	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	06-JUL-17	Finding:	4.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	29-JUN-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	15-JUN-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	01-JUN-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-MAY-17	Finding:	2.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	18-MAY-17	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-MAY-17	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-MAY-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-APR-17	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-APR-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-APR-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-APR-17	Finding:	1.3
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-APR-17	Finding:	1.25
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-APR-17	Finding:	3.03
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	06-APR-17	Finding:	1.83
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	06-APR-17	Finding:	5.03
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		
Sample date:	06-APR-17	Finding:	0.47
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	30-MAR-17	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-MAR-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	16-MAR-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-MAR-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-MAR-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-FEB-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-FEB-17	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-FEB-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-FEB-17	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-JAN-17	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-JAN-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	12-JAN-17	Finding:	330.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JAN-17	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	29-DEC-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-DEC-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-DEC-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-DEC-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	22-NOV-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-NOV-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-NOV-16	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-NOV-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	27-OCT-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-OCT-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-OCT-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-OCT-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	29-SEP-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	22-SEP-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-SEP-16	Finding:	3.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	01-SEP-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	25-AUG-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	18-AUG-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-AUG-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-AUG-16	Finding:	3.9
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	28-JUL-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-JUL-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-JUL-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-JUL-16	Finding:	340.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	30-JUN-16	Finding:	3.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-JUN-16	Finding:	4.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-JUN-16	Finding:	4.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	09-JUN-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUN-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	26-MAY-16	Finding:	2.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-MAY-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	12-MAY-16	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-MAY-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	28-APR-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-APR-16	Finding:	3.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	07-APR-16	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	31-MAR-16	Finding:	2.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-MAR-16	Finding:	2.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-FEB-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	28-JAN-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	21-JAN-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-JAN-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-JAN-16	Finding:	1.07
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	14-JAN-16	Finding:	0.3
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	14-JAN-16	Finding:	2.57
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	07-JAN-16	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	07-JAN-16	Finding:	370.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	30-DEC-15	Finding:	4.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	23-DEC-15	Finding:	3.4
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	17-DEC-15	Finding:	4.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-DEC-15	Finding:	3.1
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	03-DEC-15	Finding:	3.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	02-JUL-15	Finding:	250.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	05-FEB-15	Finding:	7.7
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-FEB-15	Finding:	0.32
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	07-JAN-15	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	07-JAN-15	Finding:	36.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	07-JAN-15	Finding:	64.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	1.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	37.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	9.6
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	46.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	160.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	120.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	97.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	07-JAN-15	Finding:	480.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	07-JAN-15	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-NOV-14	Finding:	1.2
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	18-NOV-14	Finding:	300.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	10-APR-14	Finding:	1.52
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-APR-14	Finding:	1.55
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-APR-14	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-JAN-14	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-NOV-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	01-AUG-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-JUL-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-JUL-13	Finding:	290.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	09-MAY-13	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	11-APR-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-APR-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-FEB-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

Dlr:	2.		
Sample date:	03-JAN-13	Finding:	300.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	15-NOV-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-SEP-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	30-AUG-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	09-AUG-12	Finding:	8.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-JUL-12	Finding:	250.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	21-JUN-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-APR-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-FEB-12	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	09-FEB-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-JAN-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-JAN-12	Finding:	500.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	84.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	100.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

Sample date:	04-JAN-12	Finding:	150.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	45.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	9.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	35.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	63.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	04-JAN-12	Finding:	35.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	04-JAN-12	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	04-JAN-12	Finding:	300.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		

N75
West
1/2 - 1 Mile
Lower

CA WELLS 2394

Seq:	2394	Prim sta c:	02S/02W-04G03 S
Frds no:	3610053002	County:	36
District:	13	User id:	TAN
System no:	3610053	Water type:	G
Source nam:	WELL 02-A	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1170600.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610053	System nam:	Western Heights Water Company
Hqname:	WESTERN HEIGHTS WATER COMPANY	Address:	32352 AVENUE D
City:	YUCAIPA	State:	CA
Zip:	92399	Zip ext:	Not Reported
Pop serv:	5000	Connection:	2165
Area serve:	WESTERN HACAIDA VICINITY		
Sample date:	17-JUL-17	Finding:	2.2e-002

Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dlr:	1.e-002		
Sample date:	17-JUL-17	Finding:	6.9
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	01-MAY-17	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-MAY-16	Finding:	0.62
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	16-MAY-16	Finding:	42.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-MAY-16	Finding:	14.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	1.8
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	14.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	66.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	220.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	5.9
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-MAY-16	Finding:	240.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	200.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	7.8
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	530.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	4.8
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		

Sample date:	16-MAY-16	Finding:	330.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	16-MAY-16	Finding:	5.9
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	16-MAY-16	Finding:	25.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	26-MAY-15	Finding:	25.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-SEP-14	Finding:	7.
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	05-MAY-14	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-MAY-13	Finding:	4.2
Chemical:	VANADIUM	Report units:	UG/L
Dlr:	3.		
Sample date:	13-MAY-13	Finding:	0.58
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	13-MAY-13	Finding:	43.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	13-MAY-13	Finding:	17.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	28.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	15.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	71.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	240.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	230.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	190.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	13-MAY-13	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	530.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	13-MAY-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-MAY-13	Finding:	4600.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-MAY-13	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

N76
West
1/2 - 1 Mile
Lower

CA WELLS 2393

Seq:	2393	Prim sta c:	02S/02W-04G02 S
Frds no:	3610053003	County:	36
District:	13	User id:	TAN
System no:	3610053	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1170600.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610053	System nam:	Western Heights Water Company
Hqname:	WESTERN HEIGHTS WATER COMPANY	Address:	32352 AVENUE D
City:	YUCAIPA	State:	CA
Zip:	92399	Zip ext:	Not Reported
Pop serv:	5000	Connection:	2165
Area serve:	WESTERN HACAIDA VICINITY		

77
South
1/2 - 1 Mile
Higher

FED USGS USGS40000139825

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S002W10B002S	Type:	Well
Description:	Not Reported	HUC:	18070203
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:	19890825	Well Depth:	700
Well Depth Units:	ft	Well Hole Depth:	800
Well Hole Depth Units:	ft		

O78
East
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000006520**

Well ID:	3610055-009	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 08 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=3610055-009&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92399	13	0

Federal EPA Radon Zone for SAN BERNARDINO 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 SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX D

Yucaipa Property

32999 Yucaipa Boulevard

Yucaipa, CA 92399

Inquiry Number: 6639669.8

August 27, 2021

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

08/27/21

Site Name:

Yucaipa Property
32999 Yucaipa Boulevard
Yucaipa, CA 92399
EDR Inquiry # 6639669.8

Client Name:

Geocon Env. Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121-0000
Contact: Cole Mikesell

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: January 01, 2002	USGS/DOQQ
1995	1"=500'	Acquisition Date: January 01, 1995	USGS/DOQQ
1989	1"=500'	Flight Date: August 14, 1989	USDA
1985	1"=500'	Flight Date: September 02, 1985	USDA
1978	1"=500'	Flight Date: September 20, 1978	USDA
1975	1"=500'	Flight Date: August 01, 1975	USGS
1967	1"=500'	Flight Date: May 09, 1967	USDA
1961	1"=500'	Flight Date: July 08, 1961	USDA
1959	1"=500'	Flight Date: October 16, 1959	USDA
1953	1"=500'	Flight Date: February 16, 1953	USDA
1949	1"=500'	Flight Date: May 23, 1949	USDA
1938	1"=500'	Flight Date: July 04, 1938	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2021 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

INQUIRY #: 6639669.8

YEAR: 2016

= 500'

N

EDR

INQUIRY #: 6639669.8

YEAR: 2012

= 500'

N

EDR

INQUIRY #: 6639669.8

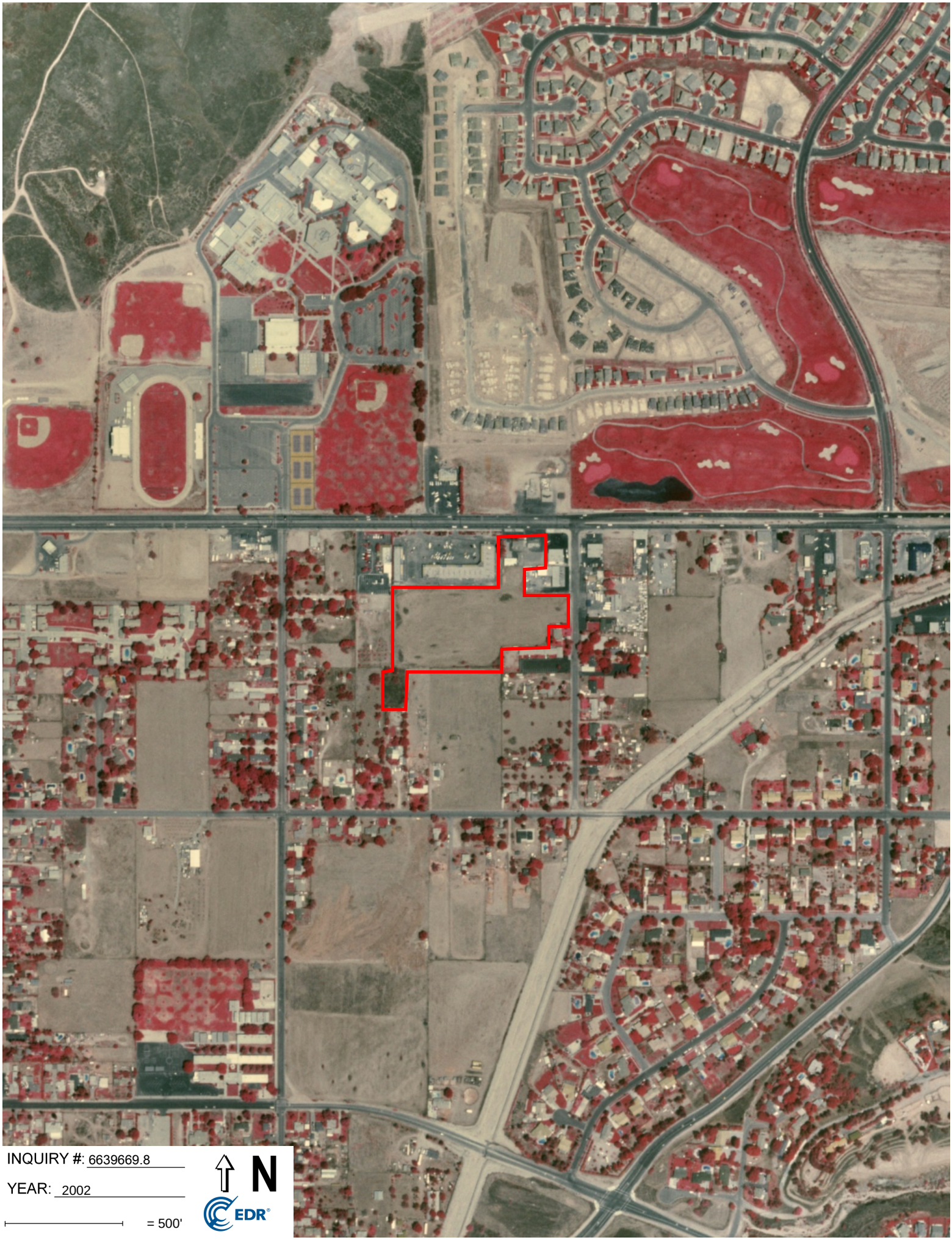
YEAR: 2009

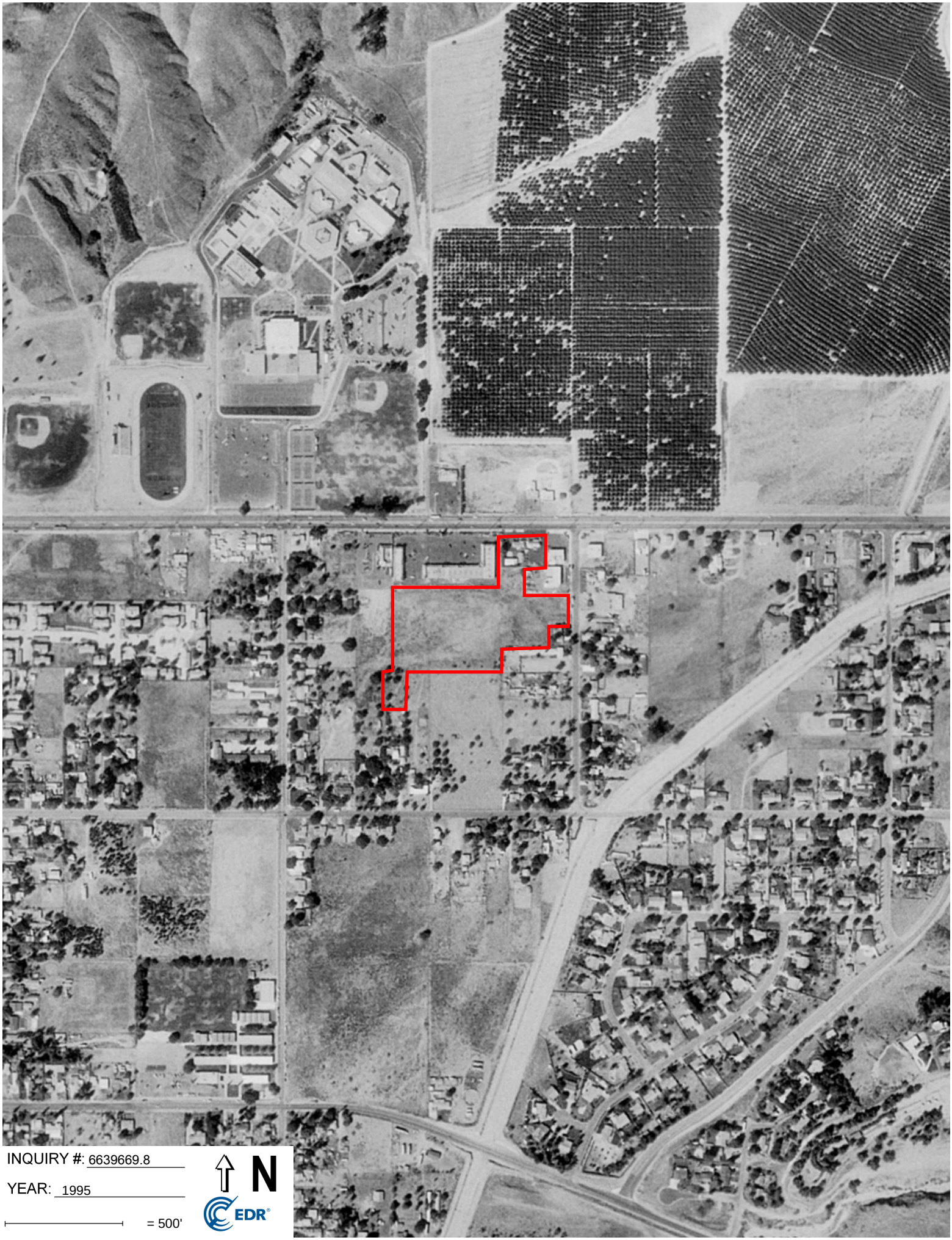
= 500'

N

EDR

INQUIRY #: 6639669.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 6639669.8
YEAR: 2002
= 500'
N
EDR



INQUIRY #: 6639669.8

YEAR: 1995

= 500'

N

EDR

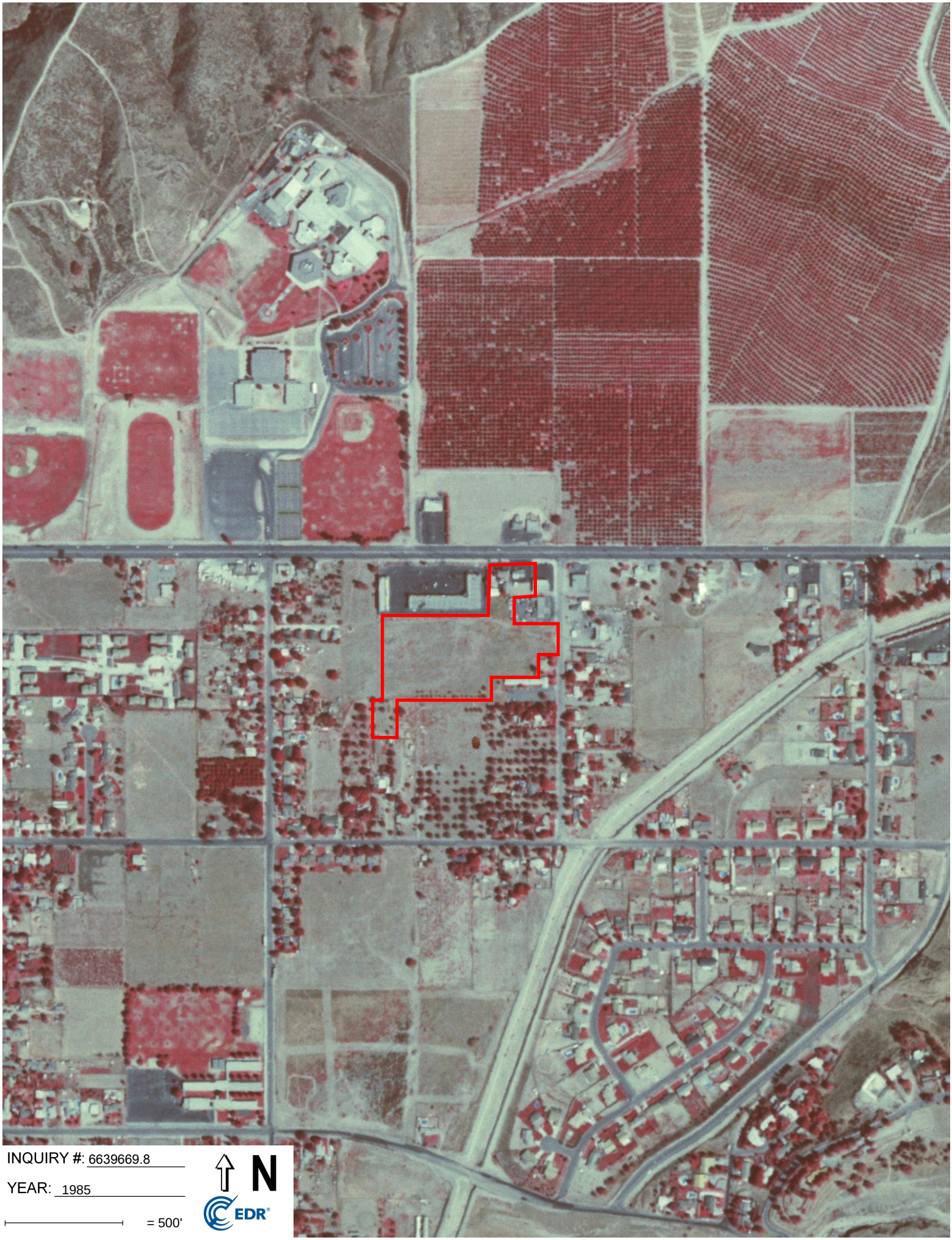
INQUIRY #: 6639669.8

YEAR: 1989

= 500'

N

EDR



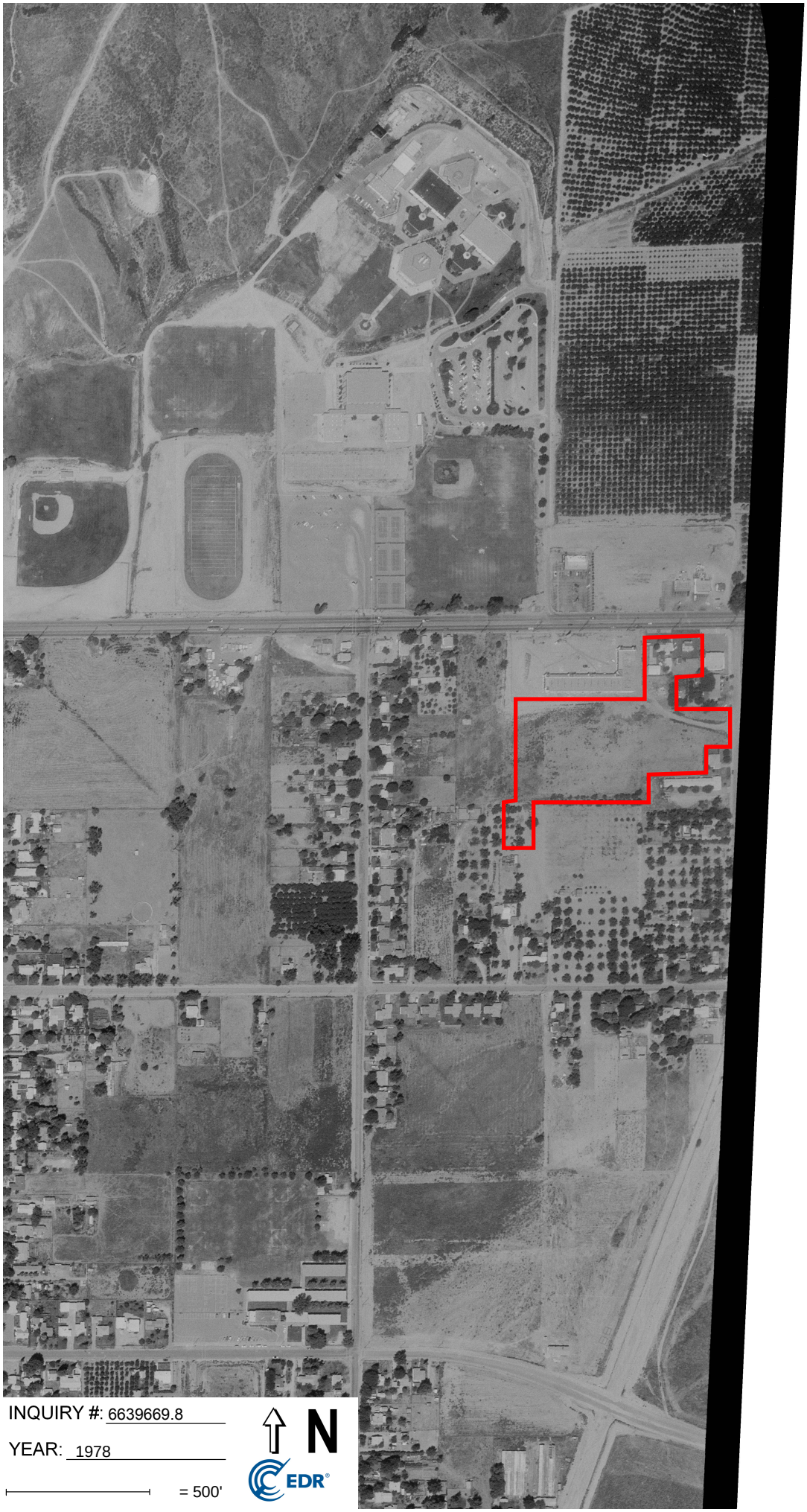
INQUIRY #: 6639669.8

YEAR: 1985

= 500'

N

EDR



INQUIRY #: 6639669.8

YEAR: 1978

= 500'

N

EDR

INQUIRY #: 6639669.8
YEAR: 1975
= 500'
N
EDR

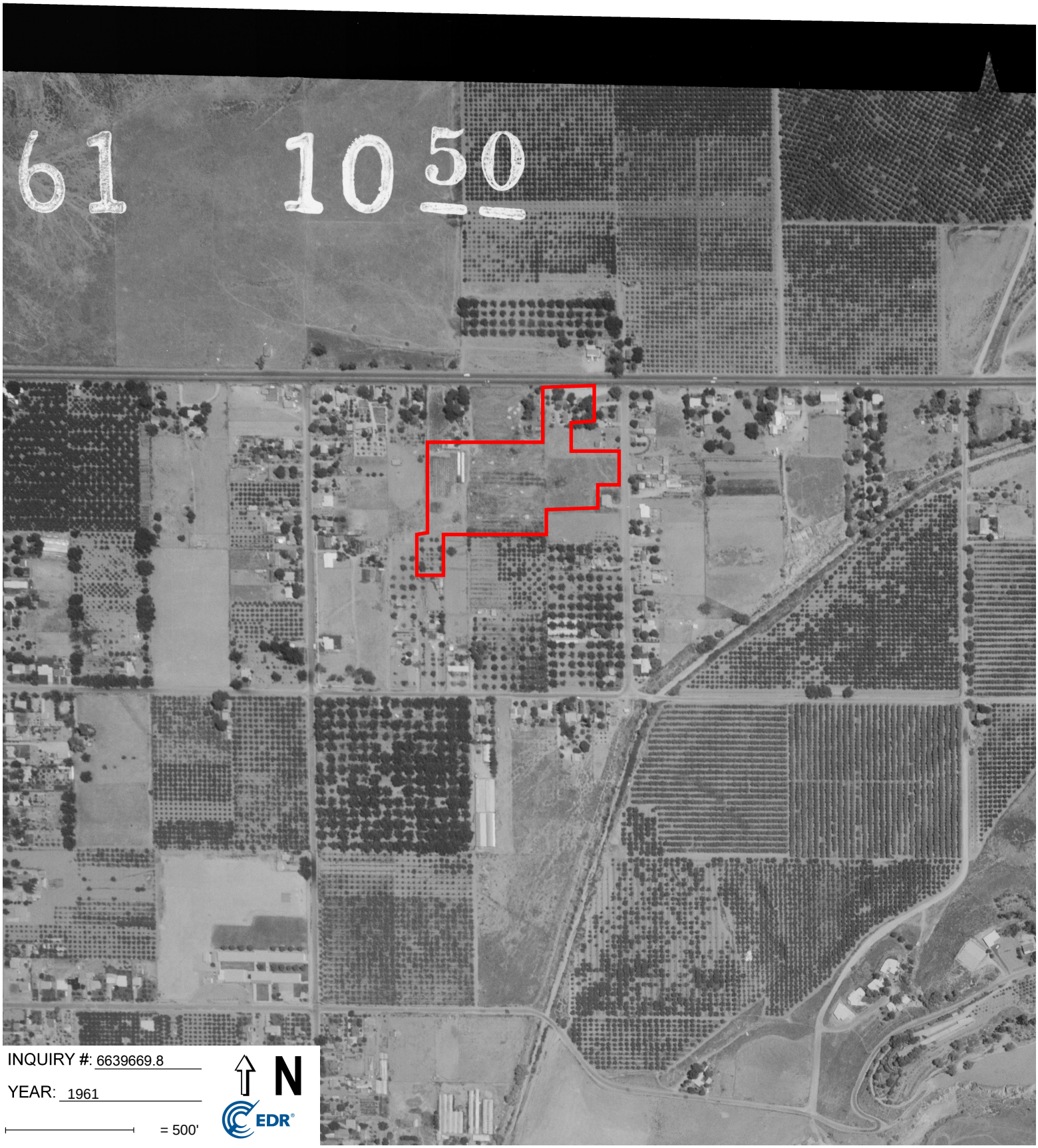
INQUIRY #: 6639669.8

YEAR: 1967

= 500'

N

EDR



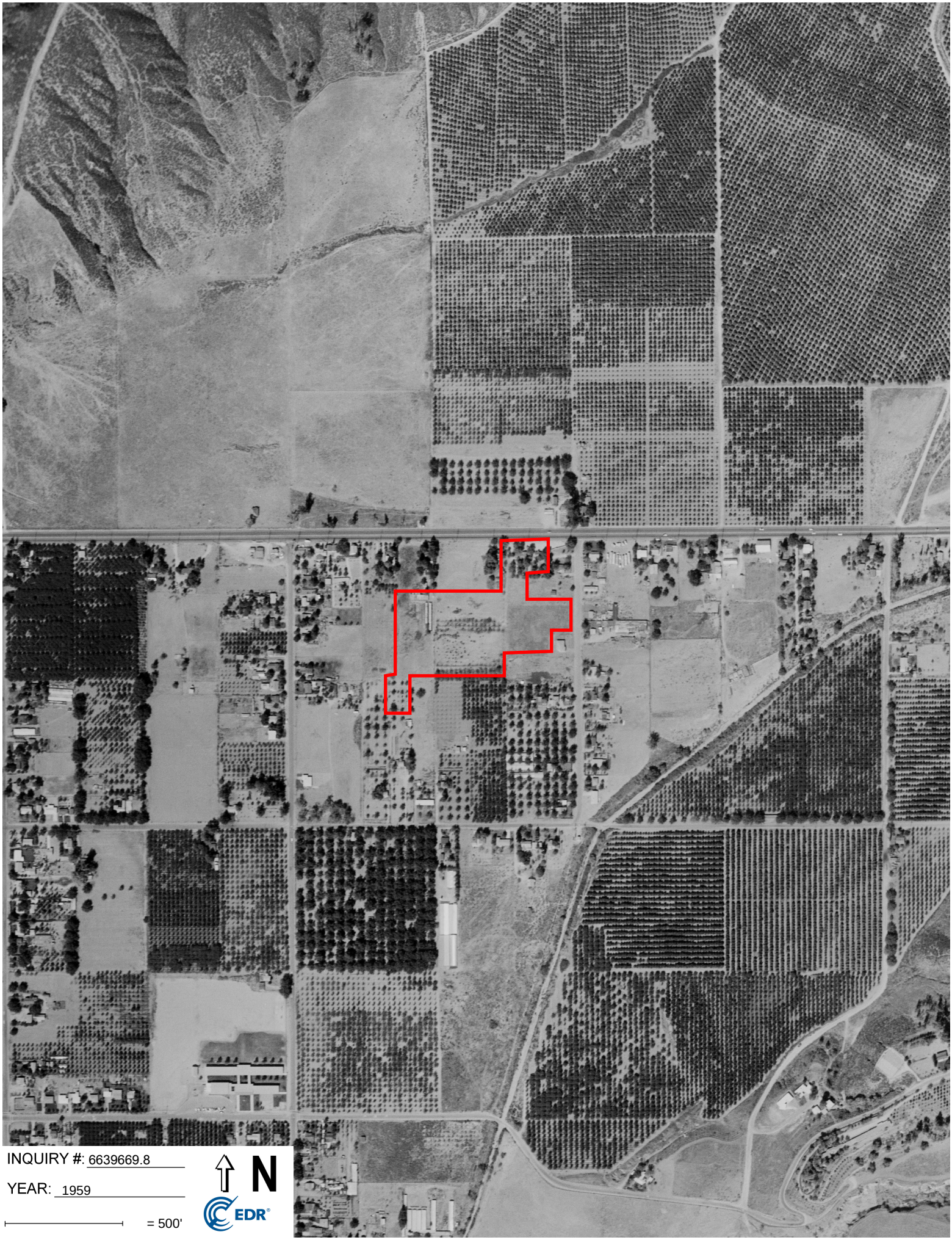
INQUIRY #: 6639669.8

YEAR: 1961

= 500'

N

EDR



INQUIRY #: 6639669.8

YEAR: 1959

= 500'

N

EDR

INQUIRY #: 6639669.8

YEAR: 1953

= 500'

N

EDR

INQUIRY #: 6639669.8
YEAR: 1949
= 500'
N
EDR

INQUIRY #: 6639669.8

YEAR: 1938

= 500'

N

EDR

APPENDIX E

Yucaipa Property

32999 Yucaipa Boulevard

Yucaipa, CA 92399

Inquiry Number: 6639669.4

August 27, 2021

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

08/27/21

Site Name:	Client Name:
Yucaipa Property	Geocon Env. Consultants, Inc.
32999 Yucaipa Boulevard	6960 Flanders Drive
Yucaipa, CA 92399	San Diego, CA 92121-0000
EDR Inquiry # 6639669.4	Contact: Cole Mikesell

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Geocon Env. Consultants, Inc. 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.# G2806-62-01

Project: Yucaipa Blvd

Coordinates:

Latitude:	34.032646 34° 1' 58" North
Longitude:	-117.083951 -117° 5' 2" West
UTM Zone:	Zone 11 North
UTM X Meters:	492250.27
UTM Y Meters:	3765778.89
Elevation:	2169.33' above sea level

Maps Provided:

2012
1996
1988
1980
1973
1967
1954
1901
1899

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

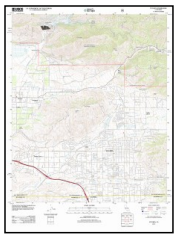
Copyright 2021 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

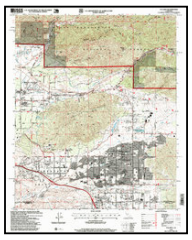
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



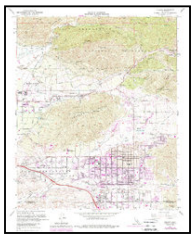
Yucaipa
2012
7.5-minute, 24000

1996 Source Sheets



Yucaipa
1996
7.5-minute, 24000
Aerial Photo Revised 1994

1988 Source Sheets



Yucaipa
1988
7.5-minute, 24000
Aerial Photo Revised 1985

1980 Source Sheets

Yucaipa
1980
7.5-minute, 24000
Aerial Photo Revised 1978

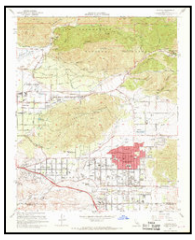
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets

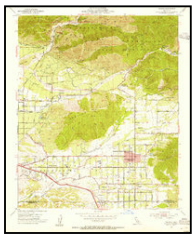
Yucaipa
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



Yucaipa
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets



Yucaipa
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1901 Source Sheets

Redlands
1901
15-minute, 62500

Topo Sheet Key

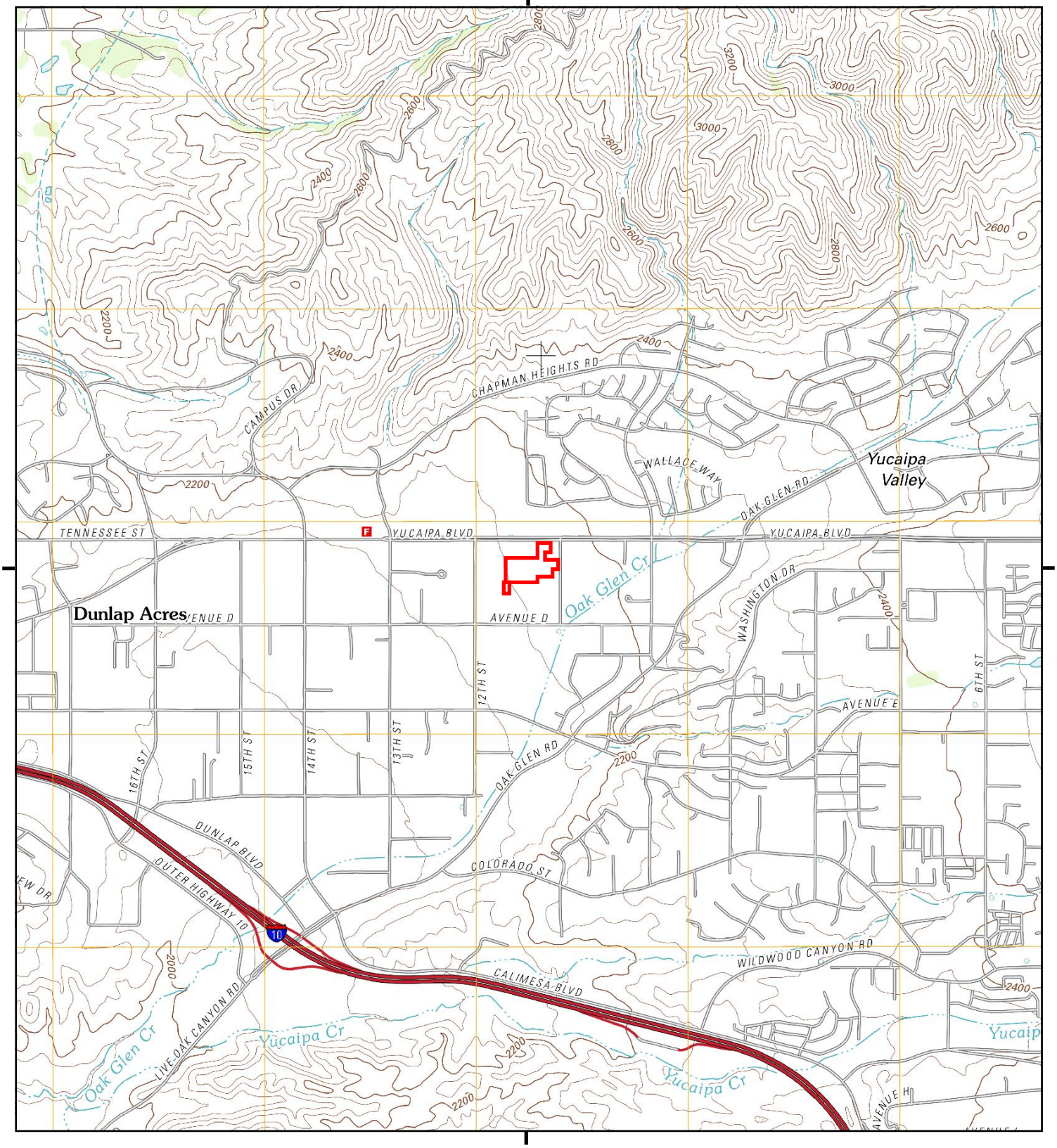
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1899 Source Sheets

Redlands
1899
15-minute, 62500

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

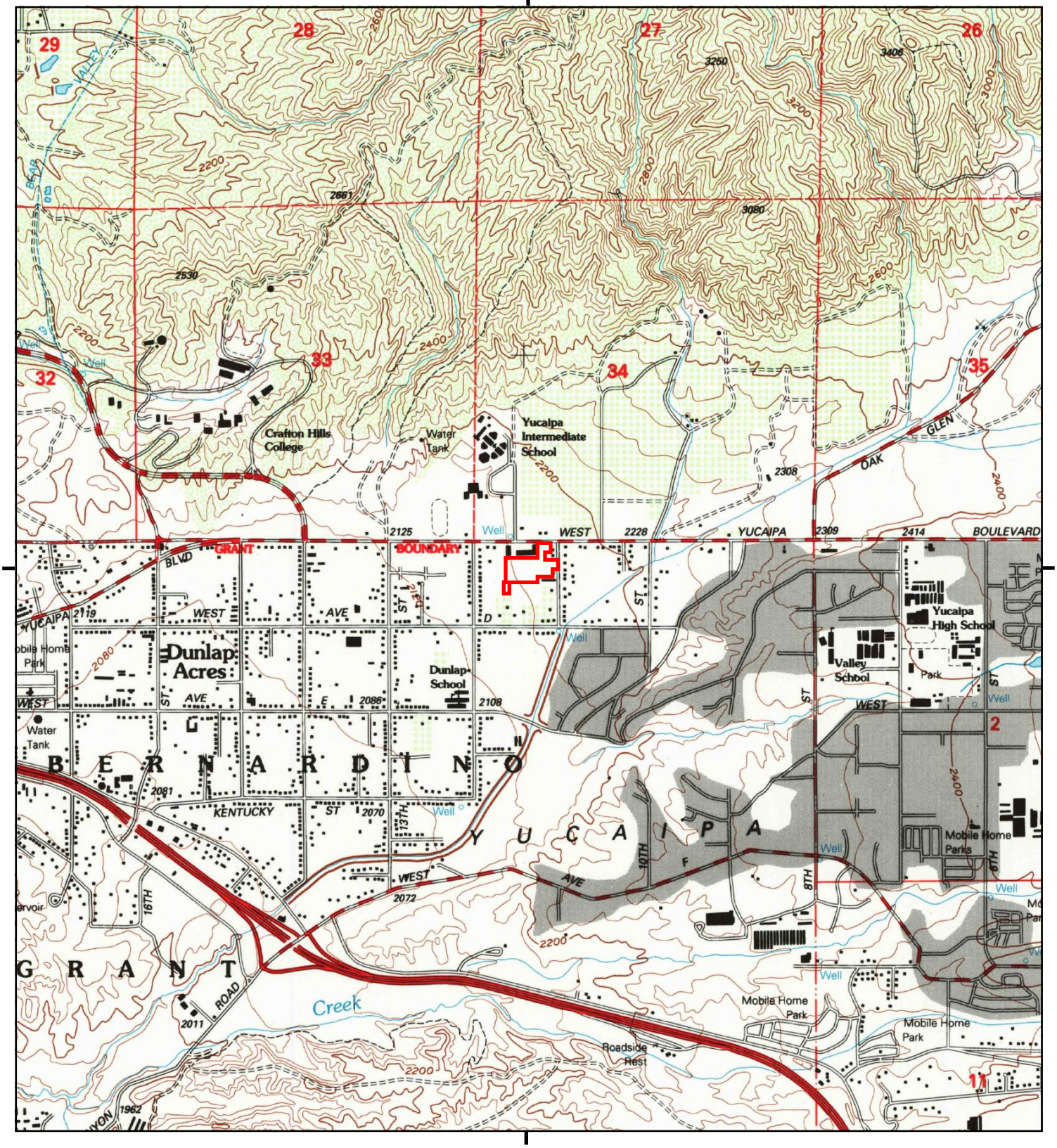
TP, Yucaipa, 2012, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1996



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

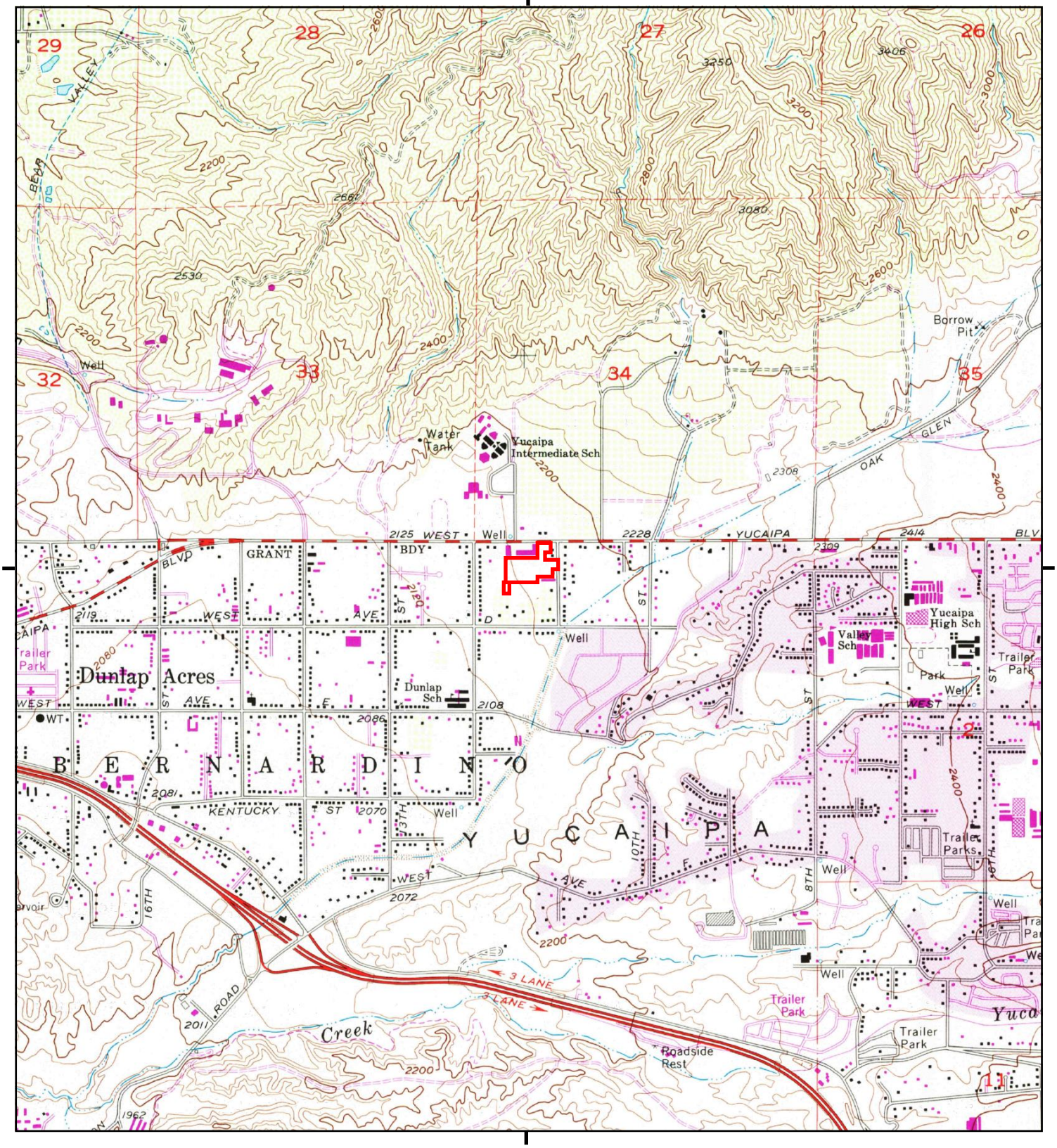
TP, Yucaipa, 1996, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1988



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

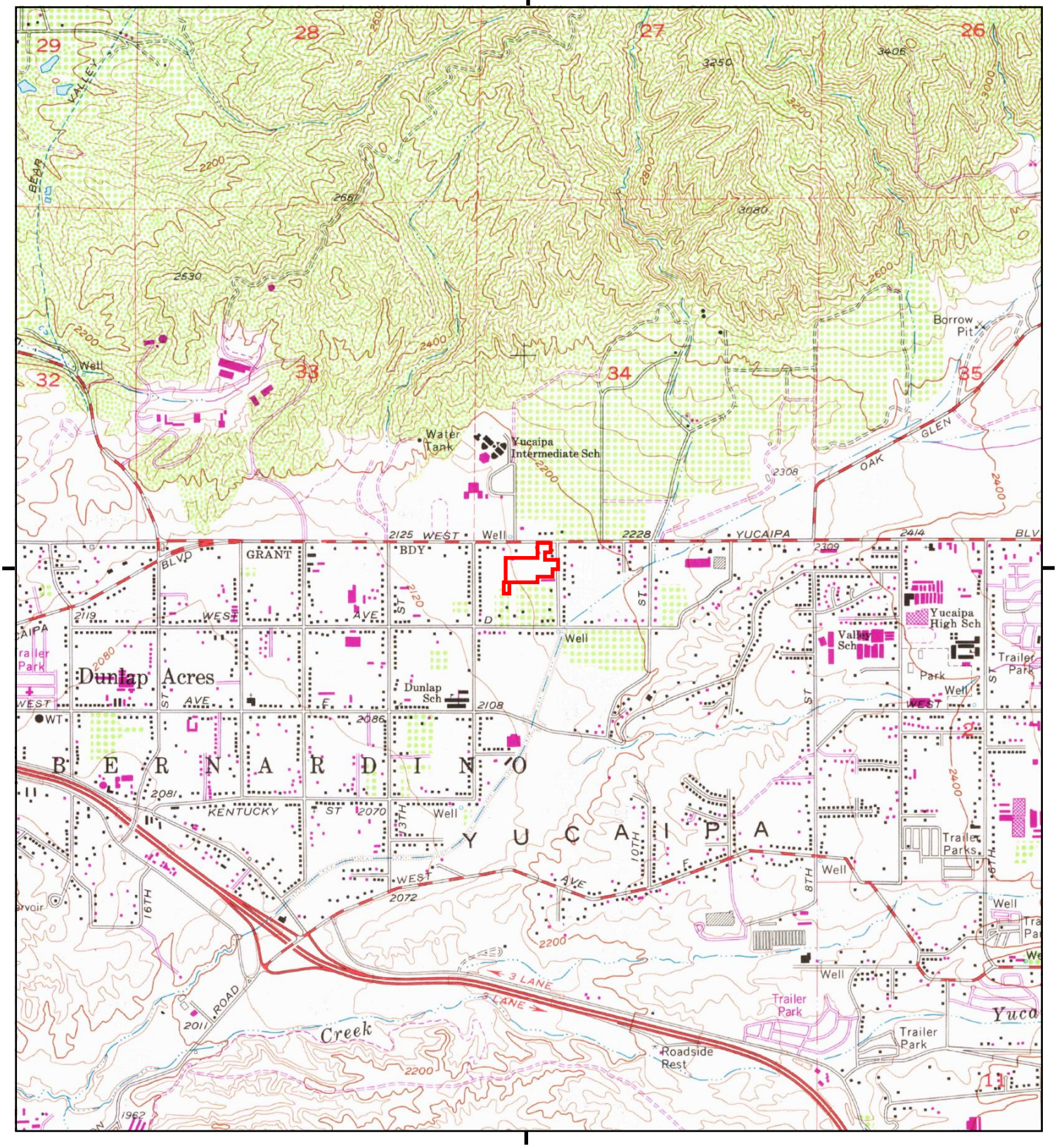
TP, Yucaipa, 1988, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

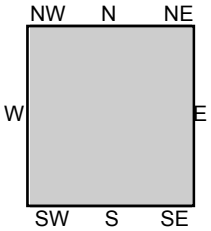
Historical Topo Map

1980



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



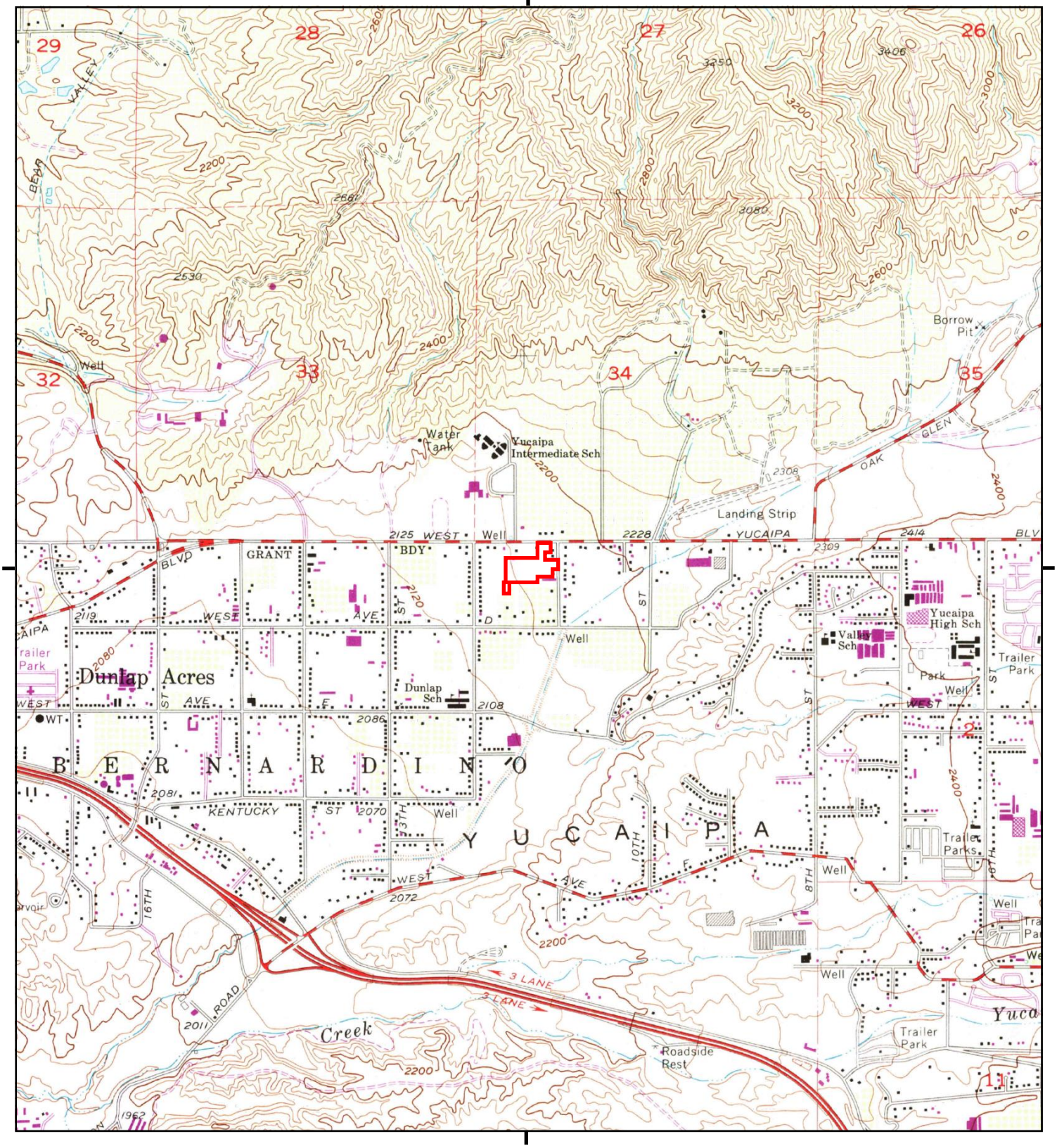
TP, Yucaipa, 1980, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

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

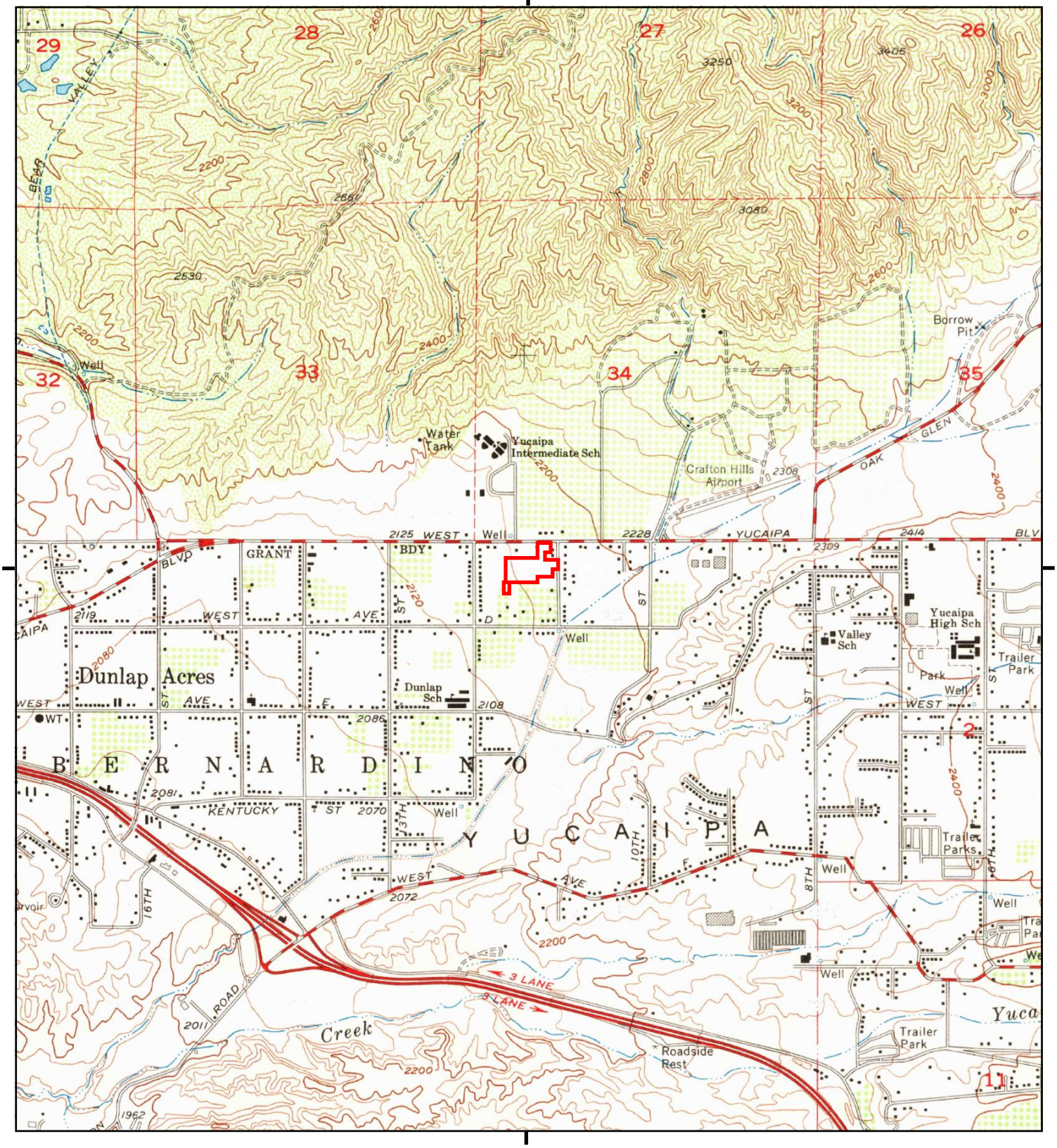
TP, Yucaipa, 1973, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1967



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

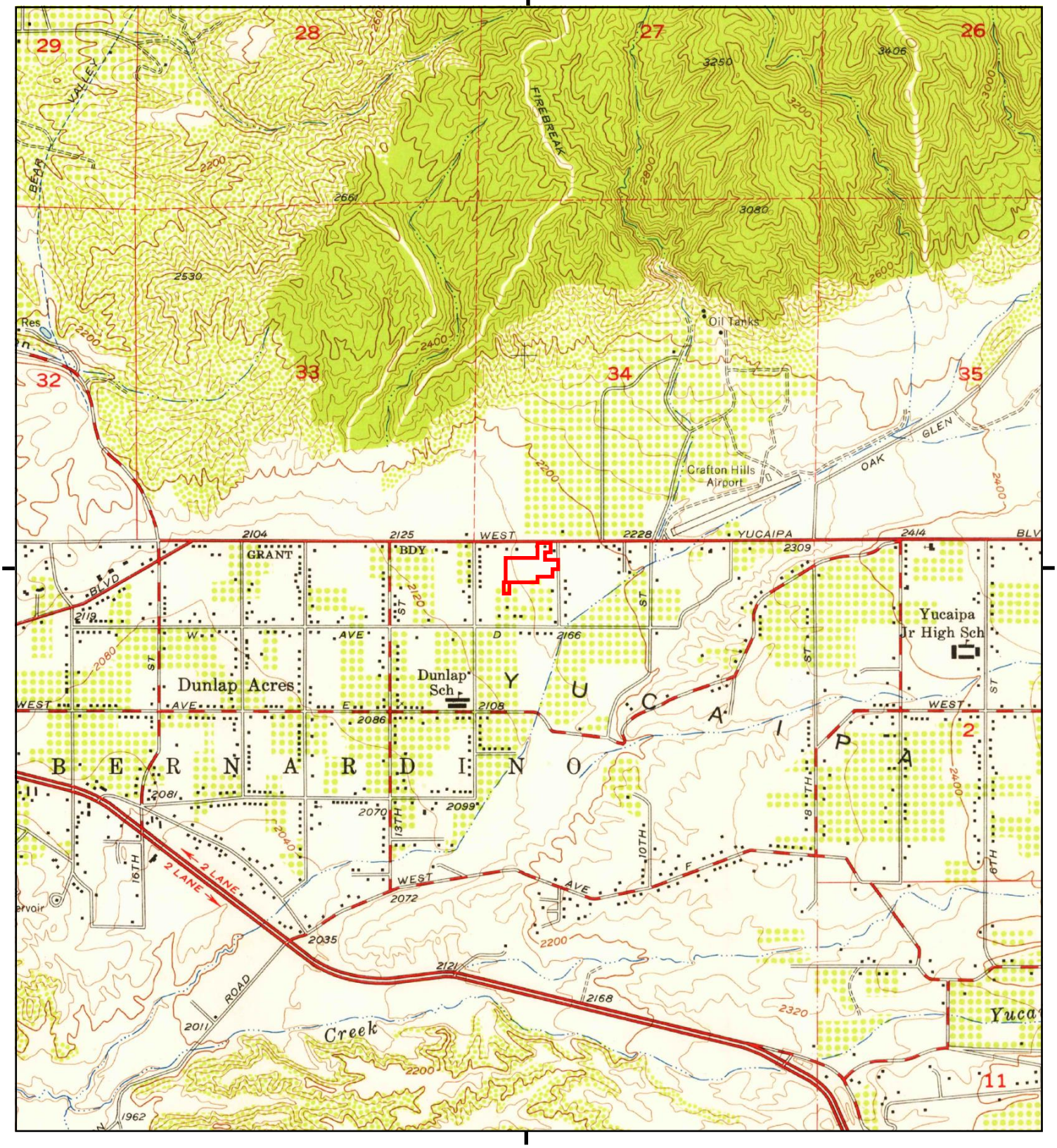
TP, Yucaipa, 1967, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

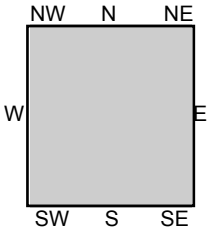
Historical Topo Map

1954



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



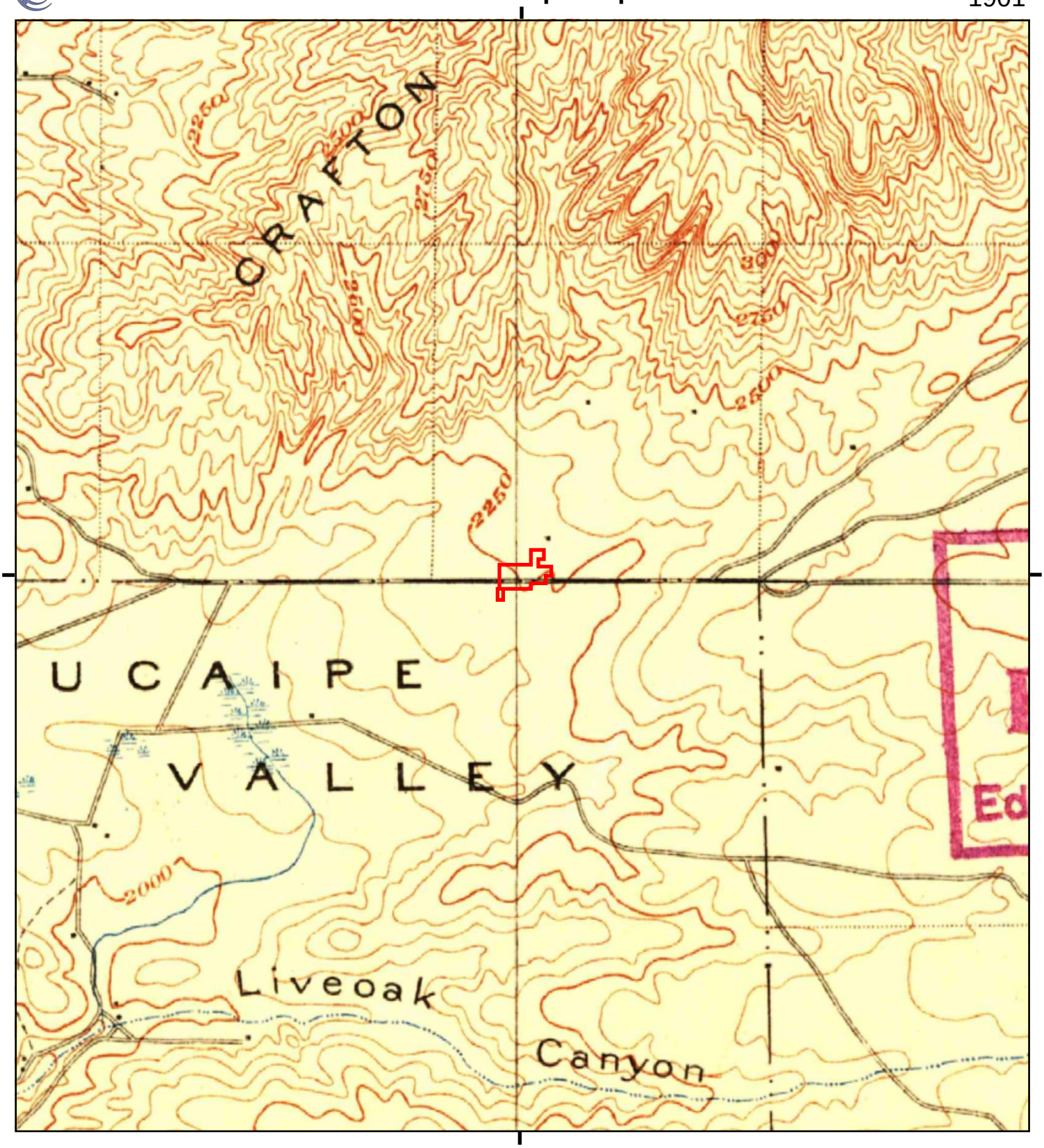
TP, Yucaipa, 1954, 7.5-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1901



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

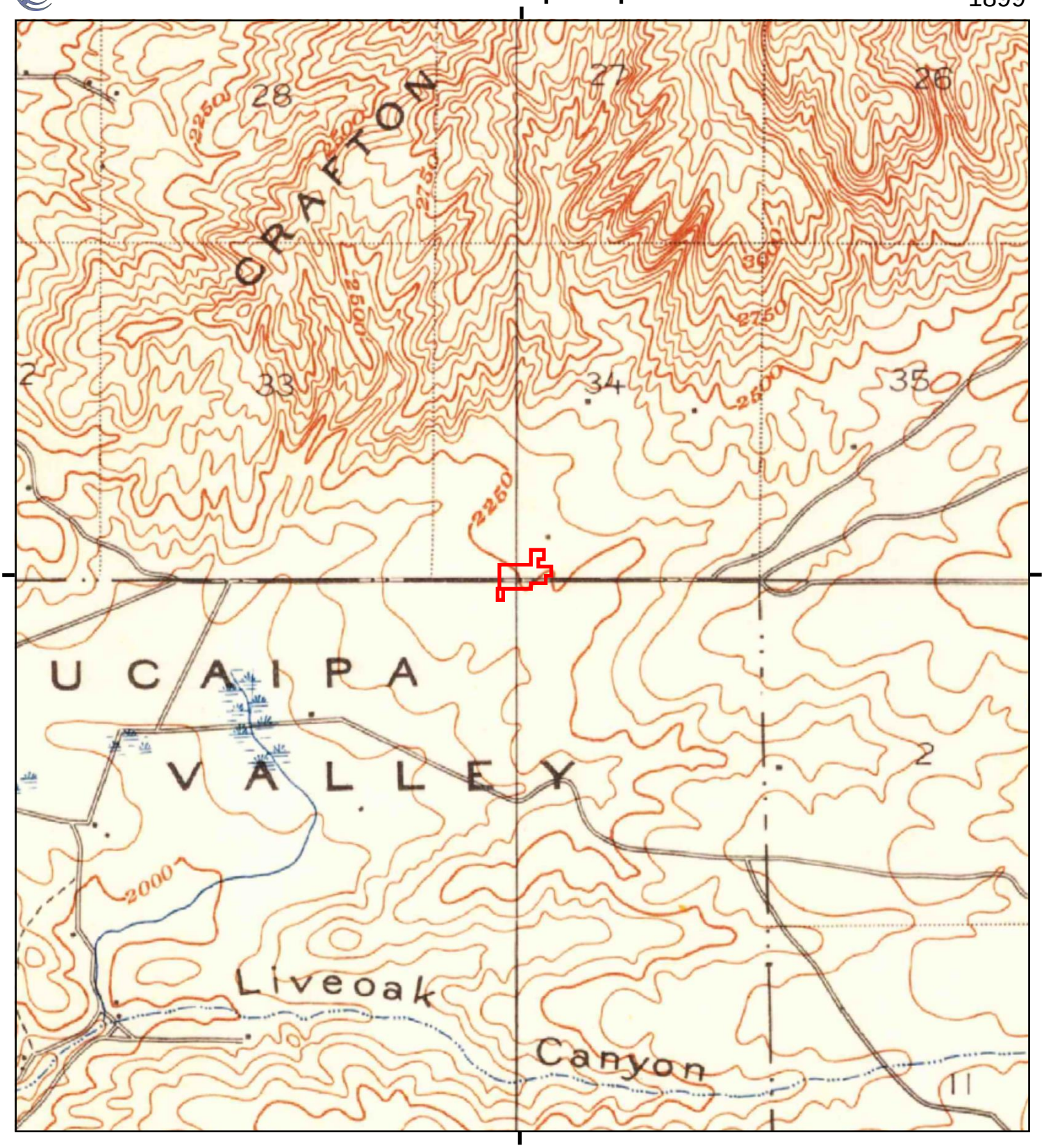
TP, Redlands, 1901, 15-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

Historical Topo Map

1899



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, Redlands, 1899, 15-minute

SITE NAME: Yucaipa Property
ADDRESS: 32999 Yucaipa Boulevard
Yucaipa, CA 92399
CLIENT: Geocon Env. Consultants, Inc.

N

APPENDIX F

Yucaipa Property
32999 Yucaipa Boulevard
Yucaipa, CA 92399

Inquiry Number: 6639669.5
September 01, 2021

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by infoUSA®

Copyright©2008
All Rights Reserved

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1986	☑	☑	Haines Criss-Cross Directory
1980	☑	☑	Haines Criss-Cross Directory
1976	☑	☑	Haines Criss-Cross Directory
1971	☑	☑	Haines Criss-Cross Directory
1965	☑	☑	Luskey Brothers & Co. Publications

FINDINGS

TARGET PROPERTY STREET

32999 Yucaipa Boulevard
Yucaipa, CA 92399

Year	*CD Image*	*Source*
YUCAIPA BLVD		
2017	pg A2	EDR Digital Archive
2014	pg A17	EDR Digital Archive
2010	pg A32	EDR Digital Archive
2005	pg A47	EDR Digital Archive
2000	pg A64	EDR Digital Archive
1995	pg A78	EDR Digital Archive
1992	pg A90	EDR Digital Archive
1986	pg A100	Haines Criss-Cross Directory
1980	pg A103	Haines Criss-Cross Directory
1976	pg A105	Haines Criss-Cross Directory
1971	pg A107	Haines Criss-Cross Directory
1965	pg A109	Luskey Brothers & Co. Publications

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
11TH ST		
2017	pg. A1	EDR Digital Archive
2014	pg. A16	EDR Digital Archive
2010	pg. A31	EDR Digital Archive
2005	pg. A46	EDR Digital Archive
2000	pg. A63	EDR Digital Archive
1995	pg. A77	EDR Digital Archive
1992	pg. A89	EDR Digital Archive
1986	pg. A99	Haines Criss-Cross Directory
1980	pg. A101	Haines Criss-Cross Directory
1980	pg. A102	Haines Criss-Cross Directory
1976	pg. A104	Haines Criss-Cross Directory
1971	pg. A106	Haines Criss-Cross Directory
1965	pg. A108	Luskey Brothers & Co. Publications

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 2017

12118	YUCAIPA AUTO ELECTRIC
12137	ROAD RUNNER STORAGE
12153	HERBERT JERRY ROOFING
12167	MILLARD, RODNEY
12170	FUENTES, TEGHAN
12193	WILLIAMS, DONALD G
12194	GARCIA, YESENIA
	MAYO, SAMMY D
	PATCH, MARIANNE A
12197	CORNET, LISA
12213	HUDDLESTON, LINDA K
12225	LEIVAS, KELSIE
12235	HACKETT, RHONDA L
12243	HOMESTEAD FIREWOOD
	WALKER, THOMAS C
12259	MACEYRA, AARON C
12262	MCGINN, COLIN
12273	KEMME, JENNIFER L
12279	GONZALEZ, HORACIO E
12859	HEBERT, ROBYN M
12867	ONEILL, RICHARD E
12875	BROUHARD, ELANOR J
12880	BAREH, ADEL B
12883	HUGHES, SCOTT D
12918	GARCIA, JOSE R
12929	SMITH, DANIEL R
12956	ASPE, ISRAEL M
12975	DOFFLOW, BOBBY D
12977	BENDER, DUANE F
12978	STODDARD, MARCUS O
13000	ESPINOSA, VICTOR M
	LAHAIE, HAROLD R
	PERRY, MEGAN
13001	CEBALLOS, GERARDO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017

31412	CHEVRON
31416	LOZANO, VALENTINE
31418	L A CUSTOM POOLS & SPAS
31429	MOBIL
31440	THE PARTY SHOPPE
31462	GUZMAN, STEVE
	HARDESTY, STEVE W
	HOAG, JULIA
	MITCHELL, ALAN R
	PADILLA, NOVA
	PITCHER, STEPHEN D
	PULIDO, DAVID
	REGIMBAL, ROD
	ROCHA, MARSHA R
	STUTZMAN, J
31472	TERAN, RUFINA
31484	GATES, LOU
31504	GATEWAY TIRE & SERVICE CENTER
31510	QUALITY POWER
31516	EUROPEAN AUTOMOTIVE
31558	KNOLL HAVEN ANTIQUES
	PARKER, RICHARD A
31582	CRILLY, RICHARD L
31594	ROGERS, RYAN N
31604	COLOR TRENZ
31608	LA MEXICANA
	LOPEZ, CARMEN
	VAPE ATTIC
	YUCAIPA DANCE
31614	E & E ORNAMENTAL IRON
	FISHER, KEVIN W
	HEAVY METAL IRON WORKS
31710	EXCLUSIVE AUTO
31730	ZIMMERMAN, KURT R
31741	FIND LOCAL STORAGE
	JONES, MAVIL
	SECURCARE SELF STORAGE
	USTOREIT
31776	ADVANCED INVERTER SERVICES
	GIBSON & SON PROVISIONS
	PET SCENE
	SOCKET SCREWS INC
31785	KOELPIN, STEPHEN
31810	SHEAR HEAVEN
31828	ORTIZ, JOHN N
31832	PARSONS, GREGORY K
31838	ADAMS, JOSHUA J
31850	ACTS APPLIANCE REPAIR
	FOSHEE, RICHARD P
	HANKE, ROBERTA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

31850	HARDY, DAVID G
	RODRIGUEZ, JENNIFER K
	SCULLY, ROBIN E
	TAYLOR, JASON E
	VANSICE, JONATHAN E
	WHITE, RICHARD
31852	GOUDE, DAVID A
31880	DODD, JIMMY
	GERMANO, RYAN J
	SANDOVAL, RUBEN
31910	B & B MOTORS
31970	SANTILLAN, FRANCISCO
31971	FRANCO, TRACY A
31975	CHRISTENSEN, CHRIS O
	CHRISTENSEN, STIG O
32006	MUNOZ, JESUS E
32045	BIG STUFF RV & MINI STORAGE
32085	BARNES, CYRIL C
32098	MERRILL, DOUGLAS G
32150	STATE FARM INSURANCE
32161	GEORGE MAKAR DVM
	KEN MCMILLAN DVM
	V M PETTY DVM
	YUCAIPA ANIMAL HOSPITAL
32209	MORA, JUAN
32223	WEHRCAMP, MICHAEL
32233	KINSINGER, MICHAEL
32355	M NAIL & SPA
32357	PINK CHEEKS SUNLESS TANNING SALON
	REVIRON REALTY INC
32371	SUNRISE DENTAL LAB
32387	AGAPE GRACE IMAGING
	HAN ACUPUNCTURE
	HORACE MANN INSURANCE
	HORACE, MANN
32411	BARKER, EDDIE
	HILLTOP POOL SUPPLIES
32423	HYDRO CREATIONS
	LEROYS LANDSCAPE SERVICES
32487	7ELEVEN
32525	SMOG BUSTERS
32645	BUDGET TRUCK RENTAL
	WIPPERTS RV REPAIR
32693	A J BARILES CHICAGO BEEF & PIZZA CO
	ADT SECURITY SERVICES
	ANTONIOUS PIZZERIA
32711	FARMER BOY YUCAIPA
32749	ULTRAMAR
	YUCAIPA VALERO
32801	BASICS & MORE INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

32801	HAPPY BOY CAR WASH
32819	PASS PHYSICAL THERAPY
	SHODHAN DENTISTRY
32829	SHALTZ, RICHARD A
32881	EXCLUSIVE CAR & TRUCK
32921	RANEY, AMANDA
32971	HICKORY RANCH STEAK HOUSE
32999	A J BARILES CHICAGO BEEF & PIZZA CO
	ARNETTS MARKET
	EL PANSON MEXICAN RESTAURANT
	FARMERS INSURANCE
	FIRST TIME DRIVER
	JULIAN TUDOSE DDS
	KIMS HAPKIDO
	LA TORTAS
	MANNA DONUTS
	OAK VALLEY MUSIC ACADEMY
	QUEEN NAILS & SPA
	THE TROPHY STORE
	TUNA TIME
	YUCAIPA COMPUTER SERVICES
	YUCAIPA VALLEY PREGNANCY COUNSELING
33075	CENTURY 21
33076	ROSIES RESTAURANT
33081	ENTERPRISE RENTACAR
	YUCAIPA OMNILINK
33089	DANNYS PIZZA
33109	CARPET STATION TILE & WOOD
33133	PEP BOYS
	PEP BOYS YUCAIPA
33145	ASK FOR RUSSELLS
	RUSSELLS HEATING & AIR CONDITIONING
33261	SAKURA MASSAGE
33265	THE FAT GREEK
33267	CORBIN, LYSANE M
33333	SHELL RAPID LUBE
33337	HARWOOD, JOSHUA
33353	NEONATOLOGY MEDICAL GROUP
	TOTS TO TEENS PEDIATRIC MEDICAL CLIN
33359	HAIR FANATICS
	HOLLYWOOF SALON & BOUTIQUE
33415	RUSSELLS HEATING & AIR CONDITIONING
33423	AT&T
	AT&T AUTHORIZED RETAILER
	JERSEY MIKES SUBS
	JONES WALTER III MD
	OCEANVIEW WIRELESS LLC
	SUPERCUTS
	WALTER JONES INC
	YUCAIPA OAK GLENN LLC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

33433	FIRESTONE COMPLETE AUTO CARE
33441	DOLLAR TREE
33475	PANDA EXPRESS
33478	EL POLLO LOCO
33487	DAVITA
33499	CVS PHARMACY
	DAVITA
33500	BANK OF AMERICA
	BANK OF AMERICA FINANCIAL CENTER
33527	DINGS CHINESE FOOD
	GOODWILL
	LESLIES SWIMMING POOL SUPPLIES
	LITTLE CAESARS
	THE AGENCY BOARD SHOP
	TUNA TIME INC
	VICTORIA NAILS & SPA
33540	DENNYS
33561	GOWIRELESS VERIZON AUTHORIZED RETAIL
	HARLOWS KITCHEN CONCEPTS
	JOSES MEXICAN FOOD
	KICKS TAE KWON DO
	SUJHJINDER SINGH SANHA
	SUNGLASSES N STUFF
	WELLS FARGO ATM
	WINGSTOP
33562	ALBISO, ROSEMARY T
	CARPET TECH CLEANING SPECIALISTS
	CURRY, CAROLL
	DOMINOS PIZZA
	GRANT, VERNON R
	HAPPY NAILS
	LYNCH, TIMOTHY D
	OSTRANDER, JASON L
	POSTALANNEX+
	SNOW, MICHAEL S
	STEAMERS ONE HOUR DRY CLEANERS
	WEBB, RICHARD D
33575	APPLIANCE PARTS & SERVICE CO
	M & M CARPETS
	NORDSTRAND PICKUPS
	SMOG & SAVE REGISTRATION
	TEDS GARAGE
33590	MCDONALDS
33598	ARROWHEAD CREDIT UNION
	GEORGE G SAUNDERS OD
	SPRINT
	YUCAIPA VALLEY OPTOMETRY
33601	RACHALS ART CENTER
33616	TJ MAXX
33629	WEAVERHUGHES MORTUARY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

33644	REDBOX
	WELLS FARGO BANK
33649	BELLA VITA DAY SPA
	HOLLYWOOF SALON & BOUTIQUE
33676	CHECK INTO CASH
	CHINA BOWL
	FANTASTIC SAMS CUT & COLOR
	GNC
	SALLY BEAUTY SUPPLY
	SUBWAY
33694	CREATIVE LEGACY INC
	DENTARTISTRY
	ELITE REALTY GROUP
	JOJOS GRILL A DOG
	MARYELLEN DEBANFF DDS
	RUBYS BANGLES
	STYLES FOR LESS
33699	FILLMAN MICHAEL I DDS MS PRACTICE LM
	KRUG SUSAN REALTOR
	MICHAEL J FILLMAN DDS MS
	SUSAN KRUG REALTOR
33700	US BANK
33720	ROSS DRESS FOR LESS
33730	STAPLES
	STAPLES PRINT & MARKETING
33733	EDWARD JONES
	FIRST NATIONS HOME FINANCE
	FLEUR SALON
	JARRETT CHIROPRACTIC
	JULIE FURBER DDS
	MARKSBURY BOOKKEEPING & TAX SERVICE
	MERVIN MOYA DDS
	MOYA
	PENNY LUNDGREN CPA INC
	REDLANDS CHIROPRACTIC
	SALISBURY CPA
33740	AARONS
33758	BEAVER MEDICAL GROUP
33788	YUCAIPA KINDERCARE
33911	KFC
	LONG JOHN SILVERS
33946	FAST 5 PIZZA
	JB REAL ESTATE HOLDINGS LLC
33960	AMERICAN ROAD TRIP
	JB REAL ESTATE HOLDINGS LLC
33981	CHURCH OF CHRIST IN YUCAIPA
34000	AI CALIFORNIA LLC
34017	SUNSHINE GROWERS NURSERY
34045	ACTION RENTALS
	D HERSHEL WILSON ATTORNEY AT LAW

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

34045	GILLMORE INSURANCE AGENCY
	MCCLELLAN & WILSON ATTORNEYS AT LAW
	MOUNTAIN AIR REAL ESTATE
34055	YUCAIPA VALLEY INN
34144	YUCAIPA SHERIFF
34159	HADLEY ENGINEERING
	YUCAIPA VALLEY ENGINEEERING INC
34161	AS CHAPMAN
	GREEN ACCOUNTING TEAM
	ON POINT WEALTH MANAGEMENT
	RELAXING TOUCH MASSAGE
	YUCAIPA VLY REAL ESTATE
34166	METROPCS
34171	SET FREE THRIFT STORE
34181	PSALM 33 MUSIC
34185	ARTISTIC ELEMENT TATTOO
	BELLA CAPELLI
	DUKE & ASSOCIATES INC
	DUKE, WENDELL
34199	YUCAIPA CROSSFIT
34213	BOHEME
	GLOBAL AUTOMATION SERVICES
	PASS PHYSICAL THERAPY
34215	JOHNS PHILLY STEAK
34223	PETAIA, ADRIAN I
34229	CARLS AUTO REPAIR
34247	ARTISTIC ELEMENT TATOO
	INTERNET CAFE
	JC GROOMING & PET
	STATE FARM INSURANCE
	TAMS BURGERS
	TRILOGY SALON
	WITH YOU IN MIND
34252	OFFICE OF CONGRESSMAN PAUL C
34253	SUNSHINE LIQUOR
34265	ARK CHRISTIAN PRESCHOOL
34272	CITY OF YUCAIPA
	YUCAIPA COMMUNITY CENTER
34277	HOLT INSURANCE SERVICES
34282	OFFICE OF CONGRESSMAN PAUL C
34299	PIZZA CHALET
34309	ANYDAYS PAYDAY & LOAN
	PIZZA HUT
	STARKEY JEWELERS
	YUCAIPA DOG & CAT GROOMING
34324	CLIPPERS FAMILY CUTS
	PAYLESS SHOESOURCE
	REDLANDSYUCAIPA GUIDANCE
34329	JEANS FLOWER BASKET
	UTILITY PAYMENT CENTER

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

34331	CINDYS AUTO UPHOLSTERY
34335	METRO AUTOMOTIVE
34355	REDLANDSYUCAIPA RENTALS
34366	CURVES
	H&R BLOCK
	INLAND EMPIRE COMPUTERS
	KUMON MATH & READING CENTER OF YUC
	METROPCS
	STATE FARM INSURANCE
	USA CLEANERS
	YOUR CORNER DENTIST
	YUCAIPA CALIMESA EDUCATORS ASSOCIATE
34373	CLYDES TV
	LULUS TRAVEL TAX & SERVICES
	THE OAK HOUSE
34380	CUCAS MEXICAN FOOD
34383	PRECISION AUTO PARTS & MACHINE SHOP
34389	KUDJER, BRIAN A
34391	MANN, GARRETT C
34393	LOGAN, SANDRA G
34395	MOTHERS AGAINST DRUNK DRIVING
34405	ORNELAS, LINDA L
34428	ELITE NAIL SPA
	FOCUST VISION CLINIC
	INJURYFONE
	OCTANE NUTRITION
	ROTOROOTER
	THE UPS STORE
	TOKYO RESTAURANT
34429	76
	SHELL
34432	ABBYS CAFE YUCAIPA INC
	ADVANCE AMERICA CASH ADVANCE
	SPRINT
34445	BEAUTY NAIL SALON
34447	ARNAV, LUIZ
	BLOEMKER, HELIESE
	CALDERON, RUTH
	ENNIS, ALAN J
	FONSECA, RAMIRO
	GONZALEZ, JESSICA
	HALEY, DONNAJEAN
	HARRIS, LAVONDA M
	HERNANDEZ, JUAN P
	HERRERA, JENIFFER
	HERRERA, M
	HOWELL, ROLAND
	JIMENEZ, GUILLERMO
	KEATON, HEATHER
	MADRIGAL, CARLOS

YUCAIPA BLVD 2017 (Cont'd)

34447	PHILLIPS, GWENDOLYN
	PINEDA, JOANNA
	RIZO, JUAN
	RUSSO, JULIE
	RYAN, PAUL
	SAVILLE, MELANIE M
	SMITH, DALE
	TOWER, TIFFANNY
	VEGA, JESSICA C
	WATTENFORD, JANET L
	WHEELER, DUSTIN
	WILLIAMS, ALISSA
	WINTER, HANNAH
34448	FITNESS 19
	SUPERSTAR VIDEO
34449	STEP AHEAD COMPUTERS
34451	LIBERTY TAX SERVICE
	OASIS TANNING
34453	ADULT BASIC LEARNING ENVIRONMENT INC
34455	AMERICAN DREAM MATTRESS
	HORIZON TRANSPORT
	MICHELLE GUSTAFSON L LMFT
	THE PGA FINANCIAL CO
34459	TONYS PET FOOD & SUPPLY
34460	REDBOX
34461	BOARD SHOPS OF AMERICA
34463	FAMOUS EUROPEAN CUSTOM TAILOR SHOP
34470	GOODYEAR
34471	ASADEROS MEXICAN & SEA FOOD RESTAURA
34475	ALLSTATE
34481	JACKS SMOKE SHOP
34483	BOOST MOBILE
34488	CHINESE EXPRESS DONUT HUT
	ELIOT M YEO DDS
	FOCUS VISION CLINIC
	YUCAIPA FAMILY DENTISTRY
34489	PAPA JOHNS PIZZA
34503	REDBOX
34504	JACK IN THE BOX
34536	WHISKEY BUSINESS
34541	ANGUS MCCURDYS
34544	ANGEL VIEW CRIPPLE
34557	CLEAN AIR SMOG
	LITTLE ROSIES
	UHAUL
34569	MARLENES JEWELRY
34579	PIZZA CHALET
34580	CITIBANK
34599	BAADA
34601	BIG LOTS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

34610	PARTY PANTRY
34630	PAMELA, ATHERLEY
34635	AUTOZONE
34642	ALTHAUS, KENNETH L
	ALVAREZ, JUAN J
	AMAYA, DELIA
	APODACA, CHRIS
	BARTLETT, DARREN W
	BOTELLO, ARMANDO
	BURLEY, PAULA
	CAMARGO, JAIME
	CARDIEL, MICHAEL O
	CENDEJAS, TERESA
	CHEW, JODY A
	CHIRBY, AMANDA M
	CORRALES, BENJIMAN
	CORTEZ, ANA
	COWDREY, RENEE M
	CURB, JASON
	DELORBE, CARLOS L
	DELORBE, JOEY O
	ELDER, CINDY D
	ELSEY, MELISSA
	ESCOVAR, CAROL
	FERNANDEZ, CELIA
	FOSTER, LOUIS C
	GAYTAN, SANDRA
	GLEISTEIN, GLENN A
	GOMEZ, OSBALDO
	GONZALEZ, ESGAR
	HARSHBERGER, JAMES
	HENDERSON, DEBORAH K
	HENDRIX, RONALD L
	HERNANDEZ-VALDEZ, ANGELICA L
	HICKAM, JOHN
	HITCHING POST MOBILE HOME PARK
	HUNT, TARYN
	IVY, EVA
	KRUEGER, JOHN
	LANDERS, LANA G
	LANGSTAFF, CHRISTIAN
	MAHLSTEDT, ANDREA
	MANNIX, MICHAEL
	MCCOLLUM, JAMES
	MEADOR, JENNIFER
	MENDOZA, JOSE
	MOTTS, RUTH S
	OCAMPO, ANA
	OCAMPO, JOANNA
	PLACENCIA, MARTHA

YUCAIPA BLVD 2017 (Cont'd)

34642	PRICE, MONIQUE
	RAMON, JEMIMAH
	REALES, XENIA
	RIVERA, CAROLS
	RIVERA, GERARDO C
	RUSSELL, CLYDE L
	SALASAR, M
	SALAZAR, JOHNNY
	SALAZAR, LORENA
	SALAZAR, VERONICA
	SCHOPPMAN, PRISCILLA M
	SCOTT, KIT G
	SHOAF, LOIS
	STUART, JENNIFER
	VARGAS, MARIA
	WEARY, AMANDA P
	WILLIAMS, KAREN R
34675	BELK NANCY LMFT
	COMFORT KEEPERS
	INSIGHT BEHAVIORAL HEALTH ASSOCIATES
	JANETTE KIM MD
	KINCAID, J
	R DOWNEY JENNIFER LMFT
	REDLANDS COMMUNITY HOSPITAL
	STEVEN MARKHAM DDS
	SULTANA HAJERA MD INC
34696	TMSO INC
34717	ASADEROS SUPER MARKET
	BANK OF AMERICA ATM
34724	AIRERITE HEATING & AIR CONDITIONI
34745	OREILLY AUTO PARTS
34784	FIRST BAPTIST CHURCH
34789	TRUE VALUE
34795	FASTRAC LUBE
34806	A FAMILY PRACTICE OPTMTRST
	NORMAN R MILLER OD
	STEVEN A MILLER OPTMTRST
34838	REALICORE
34840	MASSARO & WELSH
34841	A N B GAS MART
	GARAGE DOOR REPAIR
34844	YUCAIPA BIKE CENTER
34845	LABCORP
	PINNACLE MEDICAL GROUP
34848	KOPPER KETTLE KAFE & KATERING CO
34852	WIENERSCHNITZEL
34855	YUCAIPA SMOG
34860	DEL TACO
	VERIZON WIRELESS
34861	CUSTOM METAL FABRICATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

34861	ONE STOP TIRE & AUTO
34880	IMPERIAL DENTAL PRACTICE & ORTHODO
	SONNY CHOKKA DDS
34895	BEAUTIFUL SMILE DENTISTRY
	FADI BITAR DDS
	HENRY KIM DDS
34906	GARAGE DOOR REPAIR
34909	SUBS OF USA
34911	YUCAIPAS AUTO SERVICE
34919	GREEN VALLEY SPA & HEALTH CENTER
34931	S & L EMPORIUM
34932	HERNANDEZ, ROBERT
	OFFICE OF CONGRESSMAN PAUL COOK
34942	TAX COTTAGE
34952	DIAMOND FLEET AUTO SERVICE
34955	34967 YUCAIPA BLVD LP
	ANDREWS, SANDRA
	BARGAS, LUCY G
	BLANKENSHIP, CAROLYN
	BRACKETT, KATHLEEN
	BRAY, OTIS M
	BRITTON, BILLIE B
	BURNS, NANCY L
	CORREA, ESTHER
	DELCID, CARYL S
	DICKENSON, VICKY L
	DURHAM, ILONA M
	ELIZALDE, MARTA A
	FERGUSON, BARBARA A
	GOODLIN, MARIE
	HENRY, DIANE A
	HOYT, ROSALYN
	INGLEY, SUE N
	JORDAN, G
	KELLER, CHARLES W
	LANTZ, LARRY R
	LELKO, GAYLENE
	MICHELSON, LEONARD J
	MIRANO, PATRICIA M
	NICHOLS, KATHY
	OLVERA, BLANCA D
	SCINA, MURIEL J
	SMITH, FRED R
	SMITH, PAMELA A
	TATE, JAMES J
	THREE
	TRASK, RHONDA
	VELOZ, L
	ZENGOE, JULIA
34958	LIDBOM SANDRA TAX SERVICE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

34958	ROMERO, ROMAN
34968	LITTLE DARLINS CONSIGNMENTS
34969	A AVIS PLUMBING
	ANTIMITE TERMITE & PEST CONTROL
	AVIS PLUMBING HEATING & AIR CONDITIO
	BEST GARAGE DOOR
	BURGESONS HEATING & AIR CONDITIONIN
	CHEMDRY
	CITYWIDE ELECTRIC
	D J MILLER INC
	E HIRST ALBERT ATTY AT LAW
	ELITE REALTY GROUP
	FAT FREE INTERNATIONAL
	HUDECS COMPUTER CONSULTANTS
	IMPERIAL DENTAL PRACTICE
	INSIGHT BEHAVIORAL HEALTH
	KVS PAINT & DECORATING CENTER INC
	LEC ELECTRICAL
	OTT JEFF CONSTRUCTION
	PANCER STEFAN ROBERT LAW OFFICES OF
	PATRICKS SEPTIC TANK SERVICE
	PORTER POOL & SPA
	PROCRAFT PLUMBING
	RAPID PLUMBING
	SWIM TECH POOL & SPA
	WESTCOAST MECHANICAL
	WISE DDS JAS R
	YUCAIPA CALIMESA SAFE & LOCK
34970	DUFFIELD, ANNEMARIE
34972	VASQUEZ, DEBORAH A
34974	PARALEGAL & IMIGRATION SERVICE
34982	FREDE, ASHLEY
34987	P C MECHANIX
34993	LOPEZ TACOS
34996	KORITAS TIRES
35006	KIVETT REALTY
35009	LA BOUTIQUE WOMEN APPAREL
35010	LES CHATEAUX
35013	HERSEYGILL, SHIRLEY
35018	DOWNING CONSTRUCTION
	K T SERVICES
35019	MORALES TIRE & AUTO ELECTRIC
35026	BAJA TIRES & WHEELS
	MC BOBS TIRES & MUFFLERS
35034	IGLESIA CRISTO EL REDENTOR
35039	UP TOWN PETS
35051	HIGH POINTE INVESTMENT BROKERAGE
35057	BIG BOYS TOYS
35058	IGLESIA CRISTO EL REDENTOR
35063	RICKS BARBER SHOP

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

35067	CUSTOMIZED ACCOUNTING SERVICES
35077	PURI GROUP OF COMPANIES INC
35081	PHONE DEPOT REPAIR & ACCESSORIES
35085	GARAGE DOOR REPAIR
35095	FANCY BARBER & BEAUTY
35096	YUMMY DONUTS
35119	BOULEVARD EMPORIUM
35120	POWERHOUSE GYM
35126	OIL CAN HENRYS
35131	LAW OFFICES OF LINDA ROBERTSROSS AP
35134	BONITAS MEXICAN FOOD
35139	CHAMBER OF COMMERCE YUCAIPA VALLEY
35145	FRISCHS CLOCK CHALET
	SHAKLEE
35151	ABO REAL ESTATE
35153	RAVENS NEST GALLERY
35154	YUCAIPA & CALIMESA NEWSMIRROR
35158	SORRENTINOS
35168	TURNERS CARPETS
35191	CALIFORNIA CHIROPRACTIC
35192	SUNSET MOTEL
35207	AUTO CARE CLINIC
35208	EMMERSONBARTLETT MEMORIAL CHAPEL FD
35222	CYCLE WERKS
35242	GORDON LESLIES HAIRSTYLING
	THE BURKLE GROUP
	THE VALLEY MESSENGER
35256	WHITE RABBIT COFFEE CO
35258	STATE FARM INSURANCE
35268	CHOCOLATES BY CAROLYN
35280	TONYS AUTO REPAIR SHOP
35283	HAMBLIN, KEN
35289	SO CAL REALTORS PLATINUM
35295	UNITED WINDOW TINT
35330	PHILLIPS, ZACHARY S
35331	ARREDONDO, ARMANDO V
35336	AGUILAR, JUAN
35339	MOYA, ADAM
35344	LITTLE, KELLY
35352	SELL, MATTHEW
35356	PUE, CHERISH
35358	ROBSON, CHRISTINA A
35369	MUNYAS, BENJAMIN J
35372	RODRIGUEZ, CARMEN
35374	MATNEY, JAMES R
35377	GONZALES, GERALDINE N
35382	ARCADI, ROBERT M
35385	MCCARTHY, RICHARD F
35391	AUSMUTH, SHAN
35392	WOOD, TAMMY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2017 (Cont'd)

35412	GARCIA, FERNANDO D
35415	NICOLET, CHRIS
35422	GONZALEZ, RICARDO C
35424	ACEVEDO, PAUL
35425	BURHOP, KENNETH
35434	KORGAN, MARIE
35439	VICARIO, AURELIO R
35442	WAMSLEY, SUSAN M
35445	YETT, LONNIE G
35452	JACOBO, ARISSA
35455	ALDAMA, MATTHEW
	BARR, CATHY
	BEEDIE, REBECCA R
	MILLER, BRENT
	TORRES, KRISTINA L
	VARGAS, DANIEL
	WOOLLEY, CRYSTAL R
35456	SCHILTZ, ROBERT
35472	LAKE, VERNE E
35480	SANTILLAN, JOSE E
35488	APODACA, RAUL
35489	COOPER, BRIDGET F
35493	MENDOZA, LOUIE A
35494	MOLINA, RAYMOND M
35558	BAILEY, ROBIN A
35592	WRIGHT, JOHN H
35670	MOORE, DOROTHY P

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 2014

12137	ROAD RUNNER STORAGE
	ROADRUNNER TOWING
12153	HERBERT JERRY ROOFING
12167	BELTRAN, BEATRICE V
12170	PARKER, WILLIAM J
12181	MORRIS, JOSEPHINE
12193	WILLIAMS, DONALD G
12194	GRIFFITH, EVAN M
	HABROUN, MANAL
	PATCH, AMY
12195	FAUCETT, MELONY L
12197	MATA, NATALI
12213	HUDDLESTON, MICHAEL D
12216	OCCUPANT UNKNOWN,
12225	OCCUPANT UNKNOWN,
12235	HACKETT, RHONDA L
12243	WALKER THOS C
	WALKER, THOMAS C
12259	MACEYRA, AARON C
12262	MCGINN, COLIN
12273	KEMME, JENNIFER L
12279	GONZALEZ, HORACIO E
12290	PETTITT, ROBERT J
12859	TAYLOR, CONNY M
12866	OCCUPANT UNKNOWN,
12867	ONEILL, RICHARD E
12868	HEDJAZI, JASON J
12875	MILLER, DAVID
12880	RODRIGUEZ, MANUEL R
12883	HUGHES, SCOTT D
12918	OCCUPANT UNKNOWN,
12929	OCCUPANT UNKNOWN,
12955	ARENDT, CHERYL L
12956	ASPE, ISRAEL M
12975	DOFFLOW, BOBBY D
12977	BENDER, DUANE F
12978	OCCUPANT UNKNOWN,
13000	ESPINOSA, VICTOR M
13001	CEBALLOS, GERARDO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014

31364	STARBUCKS COFFEE
31412	CHEVRON
	CHEVRON STATION EXTRA MILE YUCAIPA
31416	LOZANO, VALENTINE
31418	L A CUSTOM POOLS & SPAS
31429	CIRCLE MOBIL MART
31440	THE PARTY SHOPPE
31462	CRAWFORD, CHRIS R
	HARDESTY, BRANDON
	HARDESTY, STEVE W
	HOAG, JULIA
	PULIDO, DAVID
	REGIMBAL, ROD
	TANGUAY, ELLEN
	WEBSTER, SHARON
31472	BOLINGER, KIMBERLY
	GUERRERO, MARIBEL
	TERAN, RUFINA
31484	HALLAWAY, JACK
31504	GATEWAY TIRE & SERVICE CENTER
31510	QUALITY POWER
31516	EUROPEAN AUTOMOTIVE
31558	KNOLL HAVEN ANTIQUES
	RICHARD, A P
31582	CRILLY, RICHARD L
31594	ROGERS, RYAN N
31604	COLOR TRENZ
31608	LA MEXICANA
	LOPEZ, CARMEN
	VAPE ATTIC
	YUCAIPA DANCE
31614	ENE IRON WORKS
	FISHER, MOLLIE F
31642	HARDESTY, ANGELA
31710	EXCLUSIVE AUTO
31724	OCCUPANT UNKNOWN,
31741	EVANS, RACHELLE
	SECURCARE SELF STORAGE
	USTOREIT
31776	ADVANCED INVERTER SERVICES
	GIBSON & SON PROVISIONS
	PET SCENE
	SOCKET SCREWS INC
31785	MAMMEL, MARK T
31786	SCP INSURANCE SERVICES INC
31810	SHEAR HEAVEN
31828	ORTIZ, JOHN N
31832	PARSONS, GREGORY K
31838	ADAMS, JAMES S
31850	BARKER, T

YUCAIPA BLVD 2014 (Cont'd)

31850	HALLOCK, LORI
	HOLTZBACH, ERICH E
	MACY, MARTIN G
	MCCANN, MARY M
	MITCHELL, CLAUDIA V
	PHILLIPS, JENNIFER L
	SCHRADE, COREY
	SHOFFEITT, TIM
	TAYLOR, BRIAN D
	VANSICE, JONATHAN E
	WALKER, JONATHON D
31852	OCCUPANT UNKNOWN,
31880	GERMANO, RYAN J
	OCCUPANT UNKNOWN,
	SANDOVAL, RUBEN
31910	B & B MOTORS
31924	OCCUPANT UNKNOWN,
31961	SAWYER, TOM T
31967	OCCUPANT UNKNOWN,
31971	FRANCO, TRACY A
31975	CHRISTIANSEN, CHRISTIAN O
	HOOD, SUSANNE L
	JOHNSON, TYSHARRA
31981	ZABALA, SHIRLEY A
32006	OCCUPANT UNKNOWN,
32036	TORTOLEDO, JORGE L
32045	BIG STUFF RV & MINI STORAGE
32050	WEBER, KENT
32082	HUDEC, TERESA M
32085	BARNES, CYRIL C
32098	MERRILL, DOUGLAS G
32150	JAN BLACK STATE FARM INSURANCE AGE
	STATE FARM INSURANCE
32161	MAKAR GEORGE DVM
	MCMILLIAN KEN DVM
	PETTY V M DVM
	YUCAIPA ANIMAL HOSPITAL
32223	OCCUPANT UNKNOWN,
32233	HOSSAIN, MOHAMMAD M
32237	OCCUPANT UNKNOWN,
32247	OCCUPANT UNKNOWN,
32353	32411 YUCAIPA LLC
	OCCUPANT UNKNOWN,
32357	HOBDY, ALEXIS
32371	LABORATORIES DENTAL
	SUNRISE DENTAL LAB
32387	AGAPE GRACE IMAGING
	ARYAFAR, BEHROUZ
	HAN ACUPUNCTURE
	HORACE, MANN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

32415	OCCUPANT UNKNOWN,
32423	HYDROCREATIONS
	LEROYS LANDSCAPE SERVICES
32487	7ELEVEN
32525	SMOG BUSTERS
32645	BUDGET TRUCK RENTAL
	WIPPERTS RV REPAIR
32693	A J BARILES CHICAGO BEEF & PIZZA CO
32711	FARMER BOY YUCAIPA
32749	ULTRAMAR
32801	HAPPY BOY CAR WASH
32819	SHODHAN DENTISTRY
32881	EXCLUSIVE CAR & TRUCK
32917	OCCUPANT UNKNOWN,
32921	BARNETT, TERRY A
32971	HICKORY RANCH STEAK HOUSE
32999	ARNETTS MARKET
	EL KING POLLO LCC
	FIRST TIME DRIVER
	KIMS HAPKIDO
	LA TORTAS
	LATINOS FURNITURE
	MANNA DONUTS
	QUEEN NAILS & SPA
	THREE LATINO CELLULAR
	TROPHY STORE THE
	TUDOSE JULIAN DDS
	TUNA TIME
	YUCAIPA VALLEY PREGNANCY COUNSELING
33000	YUCAIPACALIMESA JOINT UNIFIED SCHOO
33075	CENTURY 21 BEST PROPERTIES
33076	ROSIES RESTAURANTS
33081	ENTERPRISE
33089	DANNYS PIZZA
33109	CARPET STATION TILE & WOOD
	CLASSIC AUTO
33133	PEP BOYS
33145	ASK FOR RUSSELLS
	BORDEN HEATING & AIR CONDITIONING
	RUSSELLS HEATING & AIR CONDITIONING
33261	ROYAL MASSAGE HEALTH SPA
33265	THE FAT GREEK
33267	WILKINSON, LYSANE
33269	PRECIADO, LUPE
33271	LAFFERTY, DAVID R
33281	OCCUPANT UNKNOWN,
33299	DEL TACO
	DEL TACO LLC STORE 320
33333	YUCAIPA XPRESS LUBE & CAR WASH
33337	HARWOOD, JOSHUA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

33345	OCCUPANT UNKNOWN,
33353	NEONATOLOGY MEDICAL GROUP
	TOTS TO TEENS PEDIATRIC MEDICAL CLIN
33359	LITTLE DARLINS CONSIGNMENTS
33423	CELLULAR WORLD
	KING, BENNY
	OCEANVIEW WIRELESS LLC
	SUPERCUTS
	WALTER JONES III MD
	YUCAIPA OAK GLENN LLC
33433	FIRESTONE COMPLETE AUTO CARE STORE
33441	FRESH & EASY NEIGHBORHOOD MARKET
33475	PANDA EXPRESS
33478	EL POLLO LOCO
33487	DAVITA
33499	CVS PHARMACY
33500	BANK OF AMERICA
33527	GOODWILL DONATION CENTER & BOOK STOR
	LESLIES SWIMMING POOL SUPPLIES
	LITTLE CAESARS
	OCEAN PHO VIETNAMESE RESTAURANT
	SHOGUN SUSHI
	THE AGENCY BOARD SHOP
	VICTORIA NAILS & SPA
33540	DENNYS
33561	HARLOWS KITCHEN CONCEPTS
	JOSES MEXICAN FOOD
	KICKS ENTERPRISES
	KICKS TAE KWON DO
	KITCHEN CONCEPTS BY HARLOWS
	LITTLE CAESARS PIZZA
	SUJHJINDER SINGH SANHA
33562	ANDREWS, MATTHEW G
	BELTRAN, NICHOLAS
	CARPET TECH CLEANING
	CARPET TECH CLEANING SPECIALIST
	CURRY, CAROLL
	DOMINOS PIZZA
	DURAN, TANIA
	EMERY & JENSEN REPORTERS
	HAPPY NAILS
	HARWOOD, GERMINIA
	JOHNSON, TINA
	LYNCH, TIMOTHY D
	POSTALANNEX+
	SNOW, MICHAEL S
	STARBUCKS COFFEE
	STEAMERS ONE HOUR DRY CLEANERS
	TREVINO, ROSEMARY
	ZIMOV, BRUCE D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

33575	APPLIANCE PARTS & SERVICE CO
	M & M CARPETS
	NORDSTRAND PICKUPS
	SMOG & SAVE REGISTRATION
33590	MCDONALDS
33598	ARROWHEAD CREDIT UNION
	SAUNDERS GEORGE G
	YUCAIPA VALLEY ACRES LLC
	YUCAIPA VALLEY OPTOMETRY
33601	RACHALS ART CENTER
33616	TJ MAXX
	YUCAIPA VALLEY ACRES LLC
33629	WEAVER HUGHES MORTUARY
33644	WELLS FARGO
	WELLS FARGO BANK
33649	HOLLYWOOF SALON & BOUTIQUE
33676	CHECK INTO CASH
	CHECK INTO CASH YUCAIPA
	CHINA BOWL
	FANTASTIC SAMS
	GNC
	H&R BLOCK
	SALLY BEAUTY SUPPLY
	SUBWAY SANDWICHES
33694	DEBANFF MARYELLEN DDS
	DENT ARTISTRY
	ELITE REALTY GROUP
	RUBYS BANGLES
	STYLES FOR LESS
	YUCAIPA VALLEY ACRES LLC
33699	CENTURY 21
	FILLMAN MICHAEL J DDS MS
	KRUG SUSAN REALTOR
	MARTINEZ, MARIA D
33700	US BANK
33720	ROSS DRESS FOR LESS
33730	STAPLES
33733	EDWARD JONES FINANCIAL ADVISOR JE
	FIRST NATIONS HOME FINANCE
	FLEUR SALON
	JARRETT ROBERT DC
	JARRETT, ROBERT E
	JOES APPLIANCES
	MARKSBURY BOOKKEEPING & TAX SERVICE
	MARKSBURY GREGORY K
	MILLER FIGHTLIFE INC
	MOYA
	SALISBURY CPA
	WETHEY DAN DC
33740	AARONS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

33758	BEAVER MEDICAL GROUP
33788	KINDERCARE
33911	KFC
	KFC LONG JOHN SILVERS YUCAIPA
33946	JB REAL ESTATE HOLDINGS LLC
33960	AMERICAN ROAD TRIP
	JB REAL ESTATE HOLDINGS LLC
33981	CHURCH OF CHRIST IN YUCAIPA
34017	SUNSHINE GROWERS NURSERY
34045	ACTION RENTALS
	ALLISON KEVIN ENROLLED AGENT OWNER
	GILMORE INSURANCE
	LEE DON ENROLLED AGENT
	LEWIS JODIE
	MOUNTAIN AIR REAL ESTATE
	STONE SANDY ENROLLED AGENT
	WILSON D HERSHEL ATTORNEY AT LAW
	YUCAIPA VALLEY BOOKKEEPING & TAX SER
34055	YUCAIPA VALLEY INN
34159	HADLEY ENGINEERING
	YUCAIPA VALLEY ENGINEERING INC
34161	AS CHAPMAN
	CLOUD 9 MEDI SPA
	ON POINT WEALTH MANAGEMENT
	YUCAIPA VLY REAL ESTATE
34171	REDBARN FURNITURE COMPANY
34181	HUDECS COMPUTER CONSULTANTS
34185	ARTISTIC ELEMENT TATTOO
	DUKE & ASSOCIATES INC
	DUKE, WENDELL
34191	OWNBEY, S
34199	YUCAIPA CROSSFIT
34213	DYNAMIC SALES & PRINTING
	GLOBAL AUTOMATION SERVICES
	PASS PHYSICAL THERAPY
34215	JOHNS PHILLY STEAK
34219	SMITH, KIRSTEN K
34223	PETAIA, ADRIAN I
34229	CARLS AUTO REPAIR
34247	TAMS BURGERS
	TRILOGY SALON
	WITH YOU IN MIND
34253	YUCAIPA MINI MARKET
34265	ARK CHRISTIAN PRESCHOOL
34272	CITY OF YUCAIPA
34277	HOLT INSURANCE SERVICES
34282	YUCAIPA OUTREACH
34309	ANYDAYS PAYDAY & LOAN
	PIZZA HUT
	STARKEY JEWELERS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

34309	YUCAIPA DOG & CAT GROOMING
34318	CHASE
	CHASE BANK
34324	CLIPPERS FAMILY CUTS
	PAYLESS SHOESOURCE
	REDLANDSYUCAIPA GUIDANCE
34329	FLOWER BASKET
	JEANS FLOWER BASKET
	UTILITY PAYMENT CENTER
34331	CINDYS AUTO UPHOLSTERY
34335	METRO AUTOMOTIVE
	STAR AUTO PARTS
34355	REDLANDS YUCAIPA RENTALS
34366	CURVES
	FOOTPRINTS CHRISTIAN
	INCOME TAX OFFICE
	INLAND EMPIRE COMPUTERS
	STATE FARM INSURANCE
	STEVEN DR GLENN
	ULRICH, TIMOTHY
34373	CLYDES TV
	LULUS TRAVEL TAX & SERVICES
	OAK HOUSE THE
34380	CUCAS MEXICAN FOOD NO 5
34381	OCCUPANT UNKNOWN,
34383	PRECISION AUTO PARTS & MACHINE SHOP
34389	KUDJER, BRIAN A
34391	FREED, CARRIE J
34405	CHUN, PETER S
34420	RITE AID
34428	AVILA, MAURICIO M
	BAILEY, JEFFREY C
	BROOKS, LANE
	CHIRBY, JALEAH
	DAVARIS, DIANE
	ELITE NAIL & SPA
	ESSMAN, JAMES
	GALASSI, BRIDGET C
	GASPAR, CINNAMIN
	GILL, WALTER
	GONSALVES, LANA J
	K N S ELECTRIC
	LEECH, WILLIAM A
	LEVY, MALCOLM E
	MAGENHEIM, JOSEPH
	MAIL BOXES ETC
	RANNEY, RAKSHANNAH
	REESE, DAVID
	RUSSELL, JAMES S
	SECURITY LOCK & KEY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

34428	SPATIG, JOSHUA
	THE UPS STORE
	TOKYO RESTAURANT
	TOMSIC, STANLEY J
	TRACY, KAREN
	VOYLES, JACLYN M
34429	MINAS SHELL
34432	ADVANCE AMERICA CASH ADVANCE
	PARADISE RESTAURANT
	RADIOSHACK
34444	ROMERO, ANGELINA
34445	BEAUTY NAIL SALON
34447	AGUILAR, MARIA C
	ARAYA, EDGARDO M
	ARNAV, LUIZ
	AYALA, JULIO
	BELLO-ROSAS, ADRIANA
	BRELAND, JACKIE
	BURNETT, PAUL R
	CALDERON, RUTH
	COFEY, ASHLEY
	ENNIS, ALAN J
	GUTIERREZ, ERIC
	HERNANDEZ, JUAN P
	IBARRA, ALEX
	JIMENEZ, GUILLERMO
	LESLIE, AMY
	MADRIGAL, CARLOS
	MARTINEZ, MONICA J
	MCDANNELL, DOROTHY
	MEJIA, LAURA
	MONCADA, LINDA
	NICHOLS, DOROTHY J
	OLEARY, CECELIA
	PEEK, ASHLEY L
	RIZO, JUAN
	SCHEPPERS, BETH E
	TILGHMAN, MILES
	VEGA, JESSICA C
	WATTENFORD, JANET L
	WILLICK, RUTH E
34448	FITNESS 19
	SUPERSTAR VIDEO
34449	STEP AHEAD COMPUTERS
34451	OASIS TANNING
34453	ADULT BASIC LEARNING ENVIRONMENT INC
34455	BUCKNER RANDLE JR
	HORIZON TRANSPORT
	L MICHELLE GUSTAFSON LMFT
	PGA FINANCIAL CO THE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

34459	TONYS PET FOOD & SUPPLY
34460	STATER BROS MARKETS
34461	BOARD SHOPS OF AMERICA
34463	FAMOUS EUROPEAN CUSTOM TAILOR SHOP
34470	GOODYEAR AUTO SERVICE CENTER
	THE TIRE GUYS GOODYEAR
34471	ASADEROS MEXICAN & SEA FOOD RESTAURA
34475	ALLSTATE
	BORGHI RON INS
	RONALD BORGHI ALLSTATE INSURANCE A
34479	ZHANG YIZHI
34481	JACKS SMOKE SHOP
34483	BOOST MOBILE STORE
34488	CHINESE EXPRESS DONUT HUT
	FIESTA AUTO INSURANCE
	FOCUS VISION CLINIC
	GAINEY DAN
	HALLMARK KIMBERLY YUCAIPA
	KIMBERLY HALLMARK SHOPS
	YEO ELIOT M DDS
	YUCAIPA FAMILY DENTISTRY
34489	PAPA JOHNS PIZZA
34504	JACK IN THE BOX
34536	WHISKEY BUSINESS
34541	ANGUS MCCURDYS
34544	ANGEL VIEW CRIPPLE
34557	GREEN HOUSE
	RANDYS AUTOBODY & PAINT
34569	MARLENES JEWELRY
	REDLANDS CHIROPRACTIC
34579	PIZZA CHALET
34585	NAPA AUTO PARTS
34599	BAADA
34601	BIG LOTS
34610	PARTY PANTRY
34620	CESARS TACOS
	LUPITAS MEXICAN FAST FOOD
34630	ATHERLEY, LISA M
34635	AUTOZONE
34642	ALTHAUS, KENNETH L
	ALVAREZ, JUAN J
	AMAYA, DELIA
	APODACA, CHRIS
	ATKINSON, WILLIAM A
	AVINA, JESUS
	BOTELLO, ARMANDO
	BURLEY, PAULA
	BUSTAMANTE, RAMON
	CARDIEL, MICHAEL O
	CHEW, JODY A

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

34642	CHIRBY, AMANDA M
	CORTEZ, ANA
	DAVENPORT, TRACI
	DELAESPRIELLA, SADE
	DELORBE, CARLOS L
	ELDER, CINDY D
	ESCOVAR, CAROL
	FERNANDEZ, CELIA
	FUENTES, DORIS H
	GAYTAN, SANDRA
	GEYER, RICHARD
	GLEISTEIN, GLENN A
	GOMEZ, OSBALDO
	GOODLIN, TANYA
	GOODMAN, WILLIAM C
	HARSHBERGER, JAMES
	HEATH, CAMILLE
	HENDRIX, RONALD L
	HILL, RANDAL
	HITCHING POST MOBILE HOME PARK
	HUNN, RONALD E
	HUNT, TARYN
	IVY, EVA
	KRYZAK, JOHN M
	LANDERS, LANA G
	MEADOR, JENNIFER
	MENDOZA, ZENEN M
	MOTTS, RUTH S
	OCAMPO, JOANNA
	PLACENCIA, MARTHA
	RAMON, JEMIMAH
	RUSSELL, CLYDE L
	SALGADO, ELIAS
	SANCHEZ, AMALIA J
	SCHOPPMAN, PRISCILLA M
	SHEA, PAMELA E
	SMALL, SHERRY
	SOTO, CHRISTOPHER
	STUART, JENNIFER
	TELLEZ, DENA L
	VARGAS, MARIA
	VILLALOBOS, PAUL
	WILLIAMS, KAREN R
34657	YEN DANNY
34675	COMFORT KEEPERS
	INSIGHT BEHAVIORAL HEALTH ASSOCIATES
	KIM JANETTE MD
	MARKHAM STEVEN DDS
	MARKHAM, STEVEN L
	PROSPECT FINANCIAL SOLUTIONS

YUCAIPA BLVD 2014 (Cont'd)

34675	QUEST DIAGNOSTICS
	REDLANDS COMMUNITY HOSPITAL
	SULTANA HAJERA MD INC
	TOUCH OF CHINA SPA
34696	TMSO INC
34712	YUCAIPA CAR WASH & AUTO CENTER
34717	ASADEROS SUPER MARKET
34724	AIRERITE HEATING & AIR CONDITIONI
34745	OREILLY AUTO PARTS
34783	FIRST BAPTIST CHURCH
34784	FIRST BAPTIST CHURCH
34789	BEST LUMBER
34795	FASTRAC LUBE
34806	A FAMILY PRACTICE OPTMTRST
	MILLER NORMAN R OD
	MILLER STEVEN A OPTMTRST
34841	A N B GAS MART NUMBER 1
34844	YUCAIPA BIKE CENTER
34845	LABWEST INC
	PINNACLE MEDICAL GROUP
	TOSCANA HAIR STUDIO
34848	COPPER KETTLE CAFE
	KOPPER KETTLE KAFE & KATERING CO
34852	WIENERSCHNITZEL
34855	BRAVO, JOSIE Y
	YUCAIPA SMOG
34860	DEL TACO
	VERIZON WIRELESS
34861	CUSTOM METAL FABRICATION
	ONE STOP TIRE & AUTO
34877	TRAYER REALTY INC
34880	CHOKKA SONNY DDS
	IMPERIAL DENTAL PRACTICE
34895	BITAR FADI DDS
34909	SUBS OF USA
34932	OFFICE OF CONGRESSMAN PAUL COOK
	TURNER, DAVID L
34942	TAX COTTAGE
34952	DIAMOND FLEET LLC
34955	34967 YUCAIPA BLVD LP
	AGUIRRE, DESEREE
	AGUIRRE, JOE A
	BLACK, FRANK E
	BRACKETT, KATHLEEN
	BRAY, OTIS M
	BRITTON, BILLIE B
	DICKENSON, VICKY L
	GONZALES, MAURO
	KELLER, CHARLES W
	LANTZ, LARRY R

YUCAIPA BLVD 2014 (Cont'd)

34955	LELKO, GAYLENE
	LOPEZ, RAYMOND
	MICHELSON, LEONARD J
	MIRANO, PATRICIA M
	ROBERTS, SANDRA A
	RUIZ, JUDITH M
	SCHULTE, DANIEL
	SCINA, MURIEL J
	SMITH, BARBARA
	TATE, JAMES J
	THREE
	ZENGOE, JULIA
34958	LIDBOM SANDRA TAX SERVICE
	ROMERO, ROMAN
34968	PARALEGAL & IMIGRATION SERVICE
34969	A AVIS PLUMBING
	A CALIMESA YUCAIPA SAFE & LOCK
	BISHOPS CARPET CLEANING
	LEC ELECTRICAL
	PETERS STEVEN R ATTORNEY AT LAW
	TONYS TREE SERVICE
34970	DUFFIELD, ANNEMARIE
34972	VASQUEZ, DEBORAH A
34980	MONTIEL, SERAFIN
34982	HAMLIN, ALYSON
34984	OCCUPANT UNKNOWN,
34987	P C MECHANIX
34993	LOPEZ TACOS
34996	KORITAS TIRES
35006	KIVETT REALTORS INC
35007	KVS PAINT & DECORATING CENTER INC
35010	LES CHATEAUX
35011	PADILLA, ERIC
35018	DOWNING CONSTRUCTION
	K T SERVICES
35019	MORALES TIRE & AUTO ELECTRIC
35026	AVON
	MC BOBS TIRES & MUFFLERS
35031	ORR, ROBERT C
35034	IGLESIA CRISTO EL RENDENTOR
35039	UP TOWN PETS
35057	BIG BOYS TOYS
35063	RICKS BARBER SHOP
35064	SET FREE THRIFT STORE
35067	CUSTOMIZED ACCOUNTING
35077	PURI GROUP OF COMPANIES INC
	SAMS LIQUOR
35095	FANCY BARBER & BEAUTY
35096	YUMMY DONUTS
35119	BOULEVARD EMPORIUM

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2014 (Cont'd)

35120	POWERHOUSE GYM
35126	OIL CAN HENRYS
35131	LAW OFFICES OF LINDA ROBERTSROSS AP
35134	BONITAS MEXICAN FOOD
35139	YUCAIPA CHAMBER OF COMMERCE
35141	LYNCH FLOWER SHOP OF YUCAIPA
35145	FRISCHS CLOCK CHALET
	SHAKLEE DISTRIBUTORH & L FRISCH INC
35154	NEWS MIRROR NEWSPAPR
	YUCAIPA & CALIMESA NEWSMIRROR NEWSP
35158	ARTEAGAS CATERING
35168	TURNERS CARPETS
35191	CALIFORNIA CHIROPRACTIC
35192	SUNSET MOTEL
35207	AUTO CARE CLINIC
35208	EMMERSONBARTLETT MEMORIAL CHAPEL FD
35222	CYCLE WERKS
35237	BRADSHAW TONDA DO INC
35242	GORDON LESLIES HAIRSTYLING
	THE BURKLE GROUP
	VALLEY MESSENGER THE
35249	AMERICAN FINANCIAL NETWORK AFN
35256	WHITE RABBIT COFFEE CO
35258	ROBIN COLEMAN STATE FARM INSURANCE
35261	OCCUPANT UNKNOWN,
35268	CHOCOLATES BY CAROLYN
35280	TONYS AUTO REPAIR SHOP
35283	OCCUPANT UNKNOWN,
35289	YUCAIPA WELLNESS CENTER
35295	UNITED MOTORSPORTS
35317	CHANG, BYUNG J
35330	PHILLIPS, ZACHARY S
35331	ARREDONDO, ARMANDO U
35336	AGUILAR, JUAN
35339	MOYA, ADAM
35342	HARRELL, LORAIN G
35344	OCCUPANT UNKNOWN,
35350	OCCUPANT UNKNOWN,
35352	SELL, MELISSA S
35363	ILAGAN, BREANNA
35366	CORDOVA, PHILLIP A
35369	OCCUPANT UNKNOWN,
35372	ONTIVEROS, DONACIANA C
35374	SIMMONS, JOSHUA D
35377	GONZALES, GERALDINE N
35380	MCGINNIS, RICHARD L
35382	ARCADI, ROBERT M
35385	ROACH, LOIS L
35391	AUSMUTH, SHAN
35392	OCCUPANT UNKNOWN,

YUCAIPA BLVD 2014 (Cont'd)

35412	GARCIA, FERNANDO D
35415	NICOLET, NON P
35422	GONZALEZ, RICARDO C
35424	ACEVEDO, PAUL
35425	UHLIG, MICHAEL R
35434	OCCUPANT UNKNOWN,
35439	VICARIO, AURELIO R
35442	WAMSLEY, SUSAN M
35445	YETT, LONNIE G
35446	STARICK, MILTON R
35453	MENDOZA, KATHRYN
35455	CHICCARELLI, GLENN M
	COTWRIGHT, DIANNA
	GEIB, D
	KAMASKI, WAYNE J
	LANGILLE, DERRICK L
	WOOLLEY, CRYSTAL
35456	OCCUPANT UNKNOWN,
35460	MALONEY, BRITTNEY
35462	CASSIDY, JOHN
35465	JOSEPH, SHOMON L
35472	LAKE, VERNE E
35475	HAUGHTON, ELIZABETH D
35480	SANTILLAN, JOSE E
35488	APODACA, ROBERT G
35489	COOPER, KEVIN O
35493	MENDOZA, LOUIE A
35494	MEAD, KELLY M
35558	BAILEY, ROBIN A
35592	WRIGHT, JOHN H
35670	PEREZ, SACHIKO O

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 2010

12118	WRIGHT BROTHERS CUSTOMS
	YUCAIPA AUTO ELECTRIC
12137	ROAD RUNNER TOWING
12153	JERRY HERBERT ROOFING INC
12167	DUGGER, SANDRA A
12170	ROQUE, GABRIEL S
12181	OCCUPANT UNKNOWN,
12193	SOLON, VIRGINIA S
12194	BREWSTER, LAWRENCE
	GRIFFITH, EVAN M
	MILLER, TIMOTHY H
	STANLEY, BONNIE L
12195	MASNER, DEWEY D
12197	OCCUPANT UNKNOWN,
12213	WILLIAMS, LINDA L
12216	MINSHALL, ROBERT
12225	BUNTING, RICHARD
12227	RADKE, JUSTIN
12235	BAIRD, S
12243	HOMESTEAD FIREWOOD
	WALKER, THOMAS C
12262	MCGINN, CHRISTOPHER P
12273	KEMME, JENNIFER L
12279	GLIDER, DESIREE
12290	PETTITT, ROBERT J
12859	TAYLOR, CONNY M
12866	OCCUPANT UNKNOWN,
12867	ONEILL, RICHARD E
12875	MILLER, DAVID
12880	PELLICANO, BRAD
12883	HUGHES, MARK D
12918	CATT, WILLIAM F
12929	NOSANOV, DEBRA S
12955	ARENDT, GLADYS E
12956	OCCUPANT UNKNOWN,
12975	DOFFLOW, BOBBY D
12977	BENDER, DUANE F
	CAPTAIN ELECTRIC
12978	DELGADO, JESSE J
13000	ESPINOSA, VICTOR M
13001	CEBALLOS, GERARDO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010

3445	TECHTUTORING EXPRESS
31340	AMPM
31364	STARBUCKS
31412	CHEVRON STATIONS
31416	LOZANO, VALENTINE
31418	LA CUSTOM POOLS & SPAS INC
31429	CIRCLE MOBIL MART
31440	PARTY SHOPPE
31462	BRACKEN, TROY S
	CRAWFORD, CHRIS R
	HARDESTY, STEVE W
	HICKS, PATRICK
	LEWIS, GEORGE E
	LOMBARDI, M
	WALLACE, KONARD
	WELLS, BERVELY
31472	UNDERWOOD, SHERRY D
31484	HALLAWAY, JACK
31504	GATEWAY TIRE & SVC
31510	QUALITY POWER
31514	TAX OFFICESENIOR ASSIST
31516	EUROPEAN AUTOMOTIVE
31558	KNOLL HAVEN ANTIQUES
	RICHARD, A P
31582	CRILLY, MEGAN
31594	ROGERS, RYAN N
31608	COLOR TRENZ
	DANCE DREAM STUDIO
	LA MEXICANA RESTAURANT
	NSTYLE
31614	E & E ORNAMENTAL IRON
	FISHER, MOLLIE F
31710	EXCLUSIVE AUTO
31724	CAROL OLSON ASSOC
	OCCUPANT UNKNOWN,
31730	ZIMMERMAN, KURT R
31741	HOLMAN, EDWARD A
	SHEAHAN, DARREN
	USTOREIT
31776	SOCKET SCREWS INC
31785	PRINCE OF PEACE EVANGELICAL
	WASKOW, SANDRA J
31786	SCP INSURANCE SVC
31810	MANE CREATIONS
	SHEAR HEAVEN
31828	OCCUPANT UNKNOWN,
31832	PARSONS, GREGORY K
31838	ADAMS, JAMES S
31850	BREWER, TINA M
	CARDELLA, DAVID

YUCAIPA BLVD 2010 (Cont'd)

31850	FRYER, DIANA
	GARCIA, ANTHONY
	MITCHELL, CLAUDIA V
	MULLINS, DEBBIE
31852	OCCUPANT UNKNOWN,
31880	BOUSSEAU, ANGEL
	OCCUPANT UNKNOWN,
	REYES, ARLENE L
	SANDOVAL, DAVID C
31910	B & B MOTORS
31961	OCCUPANT UNKNOWN,
31971	FRANCO, TRACY A
31975	JOHNSON, TYSHARRA
	RIPLEY, SHANE R
31981	ZABALA, SHIRLEY A
31989	ALLIED REAL ESTATE BROKERAGE
	RIGGINS, MARLENE
32006	OCCUPANT UNKNOWN,
32036	TORTOLEDO, JORGE L
32045	BIG STUFF RV & MINI STORAGE
32050	WEBER, FRANZ K
32082	HUDEC, TERESA M
32085	BARNES, CYRIL C
32098	MERRILL, G J
32150	STATE FARM INSURANCE
32161	YUCAIPA ANIMAL HOSPITAL
32209	MALDONADO, LUCIA G
32223	MACIAS, LETICIA
32233	SAAVEDRA, J
32237	RAMIREZ, MARISELA
32247	OCCUPANT UNKNOWN,
32357	GUY, MELISSA A
32371	SUNRISE DENTAL LAB
32387	ARYAFAR, BEHROUZ
	HORACE MANN CO
32415	FRITH, DEBBIE S
32487	7ELEVEN
32525	SMOG BUSTERS
32645	BUDGET TRUCK RENTAL
	CRUISE AMERICA MOTORHOME RNTL
	WIPPERTS RV REPAIR
32664	CRAFTON HILLS FIRE STATION
32711	FARMER BOYS
32749	VALERO
32829	KIVETT REALTORS INC
	KIVETT TEETERS ASSOC
	VALLEY VIEW MORTGAGE
32881	EXCLUSIVE CAR & TRUCK
32917	OCCUPANT UNKNOWN,
32921	RANEY, NATHAN

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

32999	A J BARILES CHICAGO BEEF
	ANGULO SPORT
	ARNETTS MARKET
	CANDYS COUNTRY KITCHEN
	CHRIS CINOHAPKIDO
	CLEOS EMBROIDERY
	CORNER STAMPS
	FARMERS INSURANCE GROUP
	FIRST TIME DRIVER
	GAMEBREAK ENTERPRISES
	HECTOR & MARYS BARBER & BTY
	LA TORTAS
	LUCKY NAIL & SPA
	MANNA DONUTS
	MIKES PHILLY STYLE STEAKS HG
	SEHEULT CARL DDS
	SEHEULT, CARL K
	SUSHI, AKA
	TLC FAMILY THRIFT
	TROPHY STORE
33000	DUNLAP ELEMENTARY SCHOOL
	YUCAIPA HIGH SCHOOL
33002	SIZZLER
33075	BEST PROPERTIES
33076	ROSIES
33081	ENTERPRISE RENTACAR
33089	DANNYS PIZZA & CHICKEN
33109	CARPET STATION TILE & WOOD
	FLEUR DE LIS
33111	FLEUR DE LIS A FLORIST
33145	ASK FOR RUSSELLS
33193	MONK, ROBERTA L
33265	FAT GREEK
33267	CORBIN, LYSANE M
33271	LAFFERTY, DAVID R
33299	DEL TACO
33333	SHELL RAPID LUBE
33345	CHAVEZ, JEANETTE
33353	KING CATHY E
	NEONATOLOGY MEDICAL GROUP
	TOTS TO TEENS PEDIATRIC MED
33359	HOLLYWOOF SALON & BOUTIQUE
33423	URIBE, EUGUENIO
33441	ELEVEN WESTERN BUILDERS INC
	FORD, KASSIE F
	FRESH & EASY NEIGHBORHOOD MKT
	MEADOWS, SEYMOUR C
33475	WENDYS
33487	DA VITA INC
33499	CVS PHARMACY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

33500	BANK OF AMERICA
33505	CARLS JR
33527	AMERICAN GENERAL FINANCE
	BOOKENDS
	DINGS CHINESE FOOD
	JOSES MEXICAN FOOD
	LITTLE CAESARS PIZZA
	SHOGUN SUSHI
	VICTORIA NAILS & SPA
33540	DENNYS
33561	GO WIRELESS
	HARLOWS KITCHEN CONCEPTS
	KICKS ENTERPRISES
	PIT ROW BARBEQUE
	QUIZNOS
33562	BUSTAMANTE, ROBERT L
	CARMENATTI, JOSE C
	CARPET TECH CLEANING
	CLARK, BRIAN L
	DIRT WORK & EXCAVATION INC
	DOMINOS PIZZA
	EMERY & JENSEN REPORTERS
	F & A SMOKE SHOP
	HAPPINESS NAILS
	HARWOOD, GERMINIA
	IN BLOOM
	LAS FUENTES MEXICAN GRILL
	LYNCH, TIMOTHY D
	MOBILE SPOT LLC
	MOLNAR, CHARITY
	OCEANVIEW WIRELESS LLC
	PAPAPETRU, DEAN W
	POSTAL ANNEX
	SO CALIFORNIA RESEARCH
	SOLORZANO, ANGELA
	STARBUCKS
	STEAMERS ONE HOUR DRY CLEANERS
	THOMPSON, JAMES
	TREVINO, ROSEMARY
33575	M & M CARPETS
	NORDSTRAND PICKUPS
	RED ROCKET RACING
	SMOG & SAVE REGISTRATION SVC
	WILD WESTY
33590	MC DONALDS
33595	YUCAIPA POOL & SPA SUPPLIES
33598	ARROWHEAD CREDIT UNION
	YUCAIPA VALLEY OPTOMETRY
33601	RACHALS ART CTR
33629	WEAVERHUGHES MORTUARY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

33644	STARBUCKS
	VONS
	WELLS FARGO BANK
33649	ATTENTION TO DETAIL
	BELLA LIGHTING POLITO
	BELLA VITA DAY SPA
	SUN CONTROLELSONS INTERIORS
33676	CHECK INTO CASH
	CHINA BOWL
	FANTASTIC SAMS
	GNC
	MAIN SQUEEEZE JUICE CO
	SALLY BEAUTY SUPPLY
	SUBWAY
33694	CHILLY ROCK CAKE FACTORY
	CLOUD 9 MEDI SPA
	COLD STONE CREAMERY
	DENTARTISTRY
	ELITE REALTY GROUP
	ICON BOARDSHOP INC
	JACKSON HEWITT TAX SVC
	YUCAIPA VALLEY ACRES LLC
33699	FILLMAN ORTHODONTICS
	KRUG, SUSAN L
	LOIS LAUER REALTY
	MARTINEZ, MARIA D
33700	US BANK
33720	ROSS DRESS FOR LESS
33730	STAPLES
33733	DON HESKETH AGENCY
	FIRST NATIONS HOME FINANCE
	FURBER JULIE DDS
	FURBER, JULIE K
	HIT & RUN INSURANCE SVC
	HOMETOWN HOME LOANS
	JARRETT CHIROPRACTIC
	PRUDENTIAL CALIFORNIA REALTY
	PULSIFER INSURANCE
	ROBERTS, JASON M
33740	BLOCKBUSTER VIDEO
33758	ANGELES EMMANUEL S
	BEAVER MEDICAL GROUP
	BOON TERI T MD
	MAZLUMIAN JORGE MD
	MORALES RAYMUNDO MD
	SHARPE CAROL M
33788	KINDER CARE LEARNING CTR
33911	KFC
33981	CHURCH OF CHRIST IN YUCAIPA
34017	NEWELL NURSERIES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

34045	ACTION RENTALS
	GILLMORE INSURANCE
	MC CLELLAN & WILSON
	MOUNTAIN AIR REAL ESTATE
	WILSON, DENNIS H
	YUCAIPA VALLEY BOOKKEEPING SVC
34055	YUCAIPA VALLEY INN
34159	YUCAIPA VALLEY ENGINEERING INC
34161	ABOUT FACE
	ALLSTATE INSURANCE CO
	TOP GUN ENTERPRISES
	YUCAIPA VALLEY REAL ESTATE
34171	COZY HOME FURNITURE
34185	ARTISTIC ELEMENT TATTOO
	GRAHAM, AMY
34191	OWNBEY, S
34213	ADORADOR ENTERPRISES INC
	DYNAMIC SALES & BUILDERS GROUP
	DYNAMIC SALES & PRINTERS
	HELP U SELL
	L N ACUPRESSURE
	STOP N GLOW TANNING
34215	JOHNS PHILLY STEAK
34219	COOPER, JAMES J
	OCCUPANT UNKNOWN,
34223	OCCUPANT UNKNOWN,
34229	CARLS AUTO REPAIR
34253	SUNSHINE LIQUOR
34265	ARK CHRISTIAN PRESCHOOL
34272	YUCAIPA CITY OFFICES
	YUCAIPA COMMUNITY CTR
	YUCAIPA COMMUNITY DEVELOPMENT
34277	HOLT INSURANCE SVC
34282	YUCAIPA OUTREACH
	YUCAIPA POLICE & SHERIFF
34309	ANYDAYS PAYDAY & LOAN
	PIZZA HUT
	SMITH, JOHN
	STARKEY JEWELERS
	YUCAIPA DOG & CAT GROOMING
34324	CLIPPERS FAMILY CUTS
	PAYLESS SHOE SOURCE
34329	JEANS FLOWER BASKET
	UTILITY PAYMENT CTR
34335	STAR AUTO PARTS
34366	CURVES
	H&R BLOCK
	HARRISON CHIROPRACTIC CTR
	MIMAS THINGS
	SERENITY SALON & DAY SPA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

34366	ULRICH, TIMOTHY
	WILDWOOD CALVARY CHAPEL
	YOUR CORNER DENTIST
34373	CLYDES TV
	OAK HOUSE
34380	CUCAS MEXICAN FOOD
34381	PARMENTER, MICHAEL
34383	CLUB TOWING
	PRECISION AUTO PARTS & MACHINE
34389	KUDJER, BRIAN A
34391	LOGAN, SANDRA G
34393	OCCUPANT UNKNOWN,
34395	BOULEVARD OF BEAUTY
34405	OCCUPANT UNKNOWN,
34409	SPORT SHACK
34420	NETZLER, JOANNIE M
	RITE AID
34425	SHAW, ROBERT D
34428	ABLE PARALEGAL SVC
	ADAMS, BRUCE L
	AHLGRIMM, UWE D
	ART FOR WINDOWS
	BARNES, LYNNE D
	BEEVS, PHYLLIS
	BOB HENDERSON & ASSOC
	CROSBY, GERALD
	DANKO INC
	ELITE NAIL SPA
	ESSMAN, JAMES
	FITHIAN, DONALD J
	FOCUS VISION CLINIC
	FORGET, THOMAS E
	FRANKLIN, MYRON M
	GIFT OUTLET STORE
	GLOBAL RECOVERY SVC
	GONSALVES, LANA J
	GREER, AMANDA
	HARRY H HOLMES & ASSOC
	HIGHER IT
	IMPERIAL MEDICAL BILLING
	INGALLS, MICHAEL
	ITTENBACH, DENISE M
	LEISURE, SHERYL L
	MAGENHEIM, JOSEPH
	MOESKAU, ISAAC
	NOVAK PAINTING CORP
	PANDZA, JOLENE T
	REESE, DAVID
	RUSSELL, JAMES S
	SECURITY LOCK & KEY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

34428	SONRISE WINDOWS & COATING
	SOULES, DENISE M
	SPATIG, JOSHUA
	SWIM TECH POOL & SPA
	TASSELL, BERT V
	TOKYO RESTAURANT
	TOMSIC, STANLEY J
	TOP STONES AMERICA
	UPS STORE
	WIN HOME INSPECTION
34429	MINAS SHELL
34432	ADVANCE AMERICA
	PARADISE FAMILY RESTAURANT
	RADIO SHACK
34444	ROMERO, ANGELINA
34445	BEAUTY NAIL SALON
34447	AGUIRRE, YOLANDA
	ARAYA, EDGARDO M
	ARNAV, LUIZ
	AYALA, JULIO
	BAKER, WILLIAM
	BELTRAN, GUADALUPE
	BRELAND, JACKIE
	CALDERON, RUTH
	DYE, RAMON
	FISHER, SANDRA
	FONSECA, RAMIRO
	FOWLER, DELORIS
	HALL, STACY L
	HERNANDEZ, JUAN P
	HOWELL, SUZIE
	IBARRA, ALEX
	MARTINEZ, GERARDO
	MONCADA, LINDA
	MTZ MOBILE SVC
	NICHOLS, JODI L
	OLEARY, CECELIA
	RIZO, FILEBERTO
	SIMMONS, REG
	TESSIER, R R
	WATTENFORD, JANET
	WHITLING, VICTORIA
	WILLICK, RUTH E
34448	FITNESS 19
	SUPERSTAR VIDEO
34449	STEP AHEAD COMPUTERS SALES
34451	OASIS TANNING
34453	ADULT BASIC LEARNING INC
34455	BUCKNER JR RANDLE
	DAVID L TAYLOR APPRAISALS

YUCAIPA BLVD 2010 (Cont'd)

34455	EMPIRE HOME REMODELING
	GIBSON QUALITY MEATS
	MC KIBBAN CONSULTING & ASSOC
	PGA FINANCIAL CO
	PORCELAIN REFINISHING CO
	SALISBURY
34459	TONYS PET FOOD & SUPPLIES
34460	STATER BROS MARKETS
34461	MC CARTY MEDICAL LTD
34470	GOODYEAR TIRE GUYS
34475	ALLSTATE INSURANCE CO
	DORADO & DORADO CONSTRUCTION
	ERIC STRONG ATTORNEYLAW
	STRONG, ERIC
34477	FAMOUS EUROPEAN CUSTOM TAILOR
	MONEY & MORE
34479	YUCAIPA HEALTH MASSAGE
34481	JACKS SMOKE SHOP
34483	NUTRASHOP
34488	CHINESE EXPRESS DONUT HUT
	KIMBERLYS HALLMARK
	USA CLEANERS YUCAIPA
	YOGLE HOUSE
	YUCAIPA FAMILY DENTISTRY
34489	PAPA JOHNS PIZZA
34503	WALGREENS
34541	CHURCHS CHICKEN
34544	HOLLYWOOD VIDEO
34557	GREEN HOUSE
	RANDYS AUTOBODY & PAINT
34569	GARY RICHARDS REAL ESTATE CO
	MARLENES JEWELRY
	SIERRA LAKES RESALES
34579	PIZZA CHALET
34585	NAPA AUTO PARTS
34601	BIG LOTS
34610	PARTY PANTRY
34620	LUPITAS MEXICAN FAST FOOD
34630	HOLDEN, NICHOLE
34635	AUTOZONE
34642	ACUNA, GILBERTO
	ALDACO, CEIDA
	ALTHAUS, KENNETH A
	ALVAREZ, JUAN J
	AVINA, J
	AZBILL, PAUL E
	BAIRD, CANDI
	BARDIN, KATHLEEN
	BOWEN, TAMMIE
	BURLEY, PAULA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

34642 CHEW, SARAH
COBIAN, NANCY
CORTEZ, ANA
DAILEY, JAY
DAPRELE, MARIA L
DELORBE, CARLOS L
DURON, LIZ
ELDER, CINDY
FERNANDEZ, RUDY
FLEMMING, RUBI
GAITAN, MARGARITA S
GARCIA, ROGER J
GAYTAN, SANDRA
GLEISTEIN, GLENN A
GOMEZ, OSBALDO
GOODMAN, WILLIAM C
GUTHRIE, EDWARD
HARSHBARGER, HOWARD
HARSHBERGER, JAMES
HENDERSON, D
HENDRIX, RONALD L
HERNENDEZ, DIANE
HICKAM, JOHN
HIMLE, TRENT W
HITCHING POST MOBILE HOME PARK
HIXON, JOHNNY
HUNN, WEDWARD E
HUNT, TARYN
JOANNA, OCAMPO
KENT, SHARON L
LOPEZ, ROBERTO
MACK, GENE
MENDOZA, ZENEN M
MILIARESIS, TAWYA
MOTTS, RUTH S
MURPHY, DONALD
NUNEZ, SANDRA
OCAMPO, JOANNA
OSHANE, CHARITY
PLOTT, CATHERINE C
RICHEY, MICHELLE
RIDOUT, TAMARA
RODRIGUEZ, SANDRA S
SALGADO, ELIAS
SANCHEZ, AMALIA J
SHIPMAN, ANGELA
SMITH, CAROL
STORRER, KELLIE A
STUART, JENNIFER
VONRICHTER, RICHARD

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

34642	WANG, X
	WEST, LISA
	WILLIAMS, RICHARD R
34657	MR CRUMS DONUTS
34672	KITTELSON, NORMA
34675	AVETA HEALTH INC
	AZTEC MANAGEMENT
	BAKERS TAX SVC
	BELK NANCY
	COMFORT KEEPERS
	DOWNEY JENNIFER R
	FINLEY, STEVEN
	GLOBAL SLEEP LLC
	INSIGHT BEHAVIORAL HLTH ASSOC
	KINCAID, J
	LEE BERNARD CO
	MARKHAM STEVEN DDS
	PETERSEN STANLEY DDS
	QUEST DIAGNOSTICS
	RHEE JOON MD
34696	ANB GAS MART
34712	YUCAIPA CAR WASH & AUTO CTR
34717	ASADEROS SUPER MARKET
34724	AIRERITE HEATING & AIR COND
34745	KRAGEN AUTO PARTS
34784	FIRST BAPTIST CHURCHYUCAIPA
	YUCAIPA CHRISTIAN SCHOOL
34789	BEST LUMBER TRUE VALUE HOME
34795	MOBIL 1 LUBE EXPRESS
34806	MILLER STEVEN A OD
34816	HEAD 2 TOE
	LA PATITE SALON
	MAMAS TOUCH
34840	FOOTPRINTS CHRISTIAN BOOKSTORE
34841	A N B GAS MART
34844	YUCAIPA BIKE CTR
34845	SIDDIQUI K ALI MD
	TOSCANA HAIR STUDIO
	WESTCLIFF MEDICAL LABS
34848	KOPPER KETTLE KAFE & KATERING
34852	WIENERSCHNITZEL
34855	BRAVO, JOSIE
	YUCIAPA SMOG
34860	DEL TACO
34861	CUSTOM METAL FABRICATION
	EMPIRE WEST AUTO DETAILING
	GRANLUND, LONNI D
	TIRE STORE
	WESTERMEYER, LEONARD A
34877	TRAYER REALTY INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

34880	DELAROCA GLENN DDS
	IMPERIAL DENTAL PRACTICE
34895	BEAUTIFUL SMILE DENTISTRY
34906	YUCAIPA COIN LAUNDRY
34909	SUBS OF USA
34911	IMPORT AUTO CARE
34919	WESTERN FEEDLIVESTOCK SUPL
	YUCAIPA FEED
34931	D K CRAFT ETC
	YUCAIPA IRIS FESTIVAL
34932	ASSEMBLY MEMBER PAUL COOK
	DOMINGUEZ, CARLOS
34940	UYBA KARATE ASSOC
34942	TAX COTTAGE
34958	CUT N SUCH FAMILY SALON
34967	DAVIS, RALPH H
34968	FROG ENTERPRISE
	LULUS TRAVEL TAX & SVC
	ROMERO, FRANCISCO
34969	BISHOPS CARPET CLEANING
	DAVES CARPET CLEANING
	PETERS STEVEN R
	TONYS TREE SVC
34970	DUFFIELD, ANNEMARIE
34972	BALDRIDGE, BRIAN
34982	BUSTAMANTE, PABLO
34984	OCCUPANT UNKNOWN,
34987	P C MECHANIX
34993	BEACH CAFE
34995	CASH TO GO
34996	KORITAS
35009	FIESTA PARTY SUPPLIES
	SAVA BARBER & BEAUTY SALON
35011	PERRY, C
35013	CAMPBELL, KIMBERLY
35018	K T SVC
35019	MORALES TIRE & AUTO ELECTRIC
35025	CANFIELD, TYLER
35026	AVON PRODUCTS INC
35031	OCCUPANT UNKNOWN,
35034	IGLESIA CRISTO EL REDENTOR
35039	PAMPERED PET BOUTIQUE
35051	CONTRACTORS EMERGENCY SVC
35057	BIG BOYS TOYS
35063	RICKS BARBER SHOP
35064	SET FREE THRIFT STORE
35067	CUSTOMIZED ACCOUNTING SVC
35077	SAMS LIQUOR
35087	BOULEVARD TATTOOS
35089	SILVIAS GIFTS

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2010 (Cont'd)

35096	GOLDEN DONUTS
35115	FASHION EXCHANGE
35119	THRIFTIQUE
35120	POWERHOUSE GYM
35126	OIL CAN HENRYS
35131	ARNOLD MICHAEL S
35134	BONITAS MEXICAN FOOD
35139	YUCAIPA VALLEY CHAMBER OF CMRC
35141	LYNCH FLOWER SHOP
35145	FRISCHS CLOCK CHALET
	SHAKLEE DISTRIBUTOR
35153	TUXMAN
35154	YUCAIPA & CALIMESA NEWS MIRROR
35157	MICHAELS MANE ATTRACTION
35168	TURNERS CARPETS
35180	WHITE DOVE COUNSELING CTR
35182	LIDBOM SANDRA TAX SVC
35191	CALIFORNIA CHIROPRACTIC
35192	SUNSET MOTEL
35207	AUTO CARE CLINIC
35208	EMERSON BARTLETT
	EMMERSONBARTLETT MEML CHAPEL
35222	CYCLE WERKS
35237	REDLANDS YUCAIPA MEDICAL GROUP
35242	AUDIO VISION RADIO READING SVC
	BURKLE GROUP
	GORDON LESLIES HAIRSTYLING
	ON DUTY INC
	VALLEY MESSENGER
35249	IMC FUNDING GROUP INC
35256	WHITE RABBIT COFFEE CO
35258	COLEMAN INSURANCE INC
	STATE FARM INSURANCE
35261	MARTINEZ, MARGARITA M
35268	CHOCOLATES BY CAROLYN
	TWYLTH TEG
35280	TONYS AUTO REPAIR SHOP
35283	HEFLIN, CLAUDE I
35289	YUCAIPA WELLNESS CTR
35317	BARNETT, KRYSTAL
35330	WHITESIDE, HAROLD R
35331	ARREDONDO, ARMANDO U
35336	AGUILAR, JUAN
35339	LOPEZ, ERIC J
35340	HOFMANN, CESAR A
35342	HARRELL, VEIT
35344	REINTS, JOHN S
35352	GRANICH, GEORGE S
	SELL, MELISSA S
35356	GRABOWSKI, STANLEY N

YUCAIPA BLVD 2010 (Cont'd)

35358	MORRIS, JASON C
35363	OCCUPANT UNKNOWN,
35369	MUNYAS, BEN
35372	ONTIVEROS, DONACIANA C
35374	SIMMONS, JOSHUA D
35377	OCCUPANT UNKNOWN,
35380	MCGINNIS, RICHARD L
35382	ARCADI, ROBERT M
35385	WITHEM, LOWELL I
35391	AUSMUTH, SHAN
35392	OCCUPANT UNKNOWN,
35412	GARCIA, FERNANDO D
35415	NICOLET, NON P
35422	OCCUPANT UNKNOWN,
35424	GONZALEZ, LUIS
35425	UHLIG, MICHAEL
35434	SLOAN, KEITH D
35442	WAMSLEY, SUSAN M
35445	YETT, LONNIE G
35446	STARICK, MILTON R
35452	YOUNG, DAHLTON R
35455	INGRAM, SUSAN M
	MEYERS, JUDY A
	VAUGHN, CRYSTAL R
	WESCOTT, JESSE R
35460	OCCUPANT UNKNOWN,
35462	WHITSON, TYLER D
35464	COLEMAN, ROBIN
35472	LAKE, VERNE E
35475	TALLEY, JOSLYN
35480	SANTILLAN, JOSE E
35488	APODACA, ROBERT G
35489	PRUDEN, SAMANTHA
35493	MENDOZA, LOUIE A
35494	MEAD, KELLY M
35558	BAILEY, ROBIN A
35592	WRIGHT, JOHN H
35670	PEREZ, SACHIKO O
92324	AIRERIGHT HEATING & AIR COND

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 2005

12118	ACE OF SPADES
	YUCAIPA AUTO ELECTRIC
12137	ROAD RUNNER STORAGE
12153	JERRY HERBERT ROOFING INC
12167	OAKLEY, SPENCER L
12170	FUENTES, JORGE
12181	OCCUPANT UNKNOWN,
12193	OCCUPANT UNKNOWN,
12194	GRIFFITH, EVAN M
	MEADOWS, F
12195	OCCUPANT UNKNOWN,
12197	OCCUPANT UNKNOWN,
12213	HUDDLESTON, MICHAEL D
12216	MINSHALL, ROBERT
12225	MECEY, SAMUEL J
12235	KIRKHAM, CHARLES H
12243	WALKER, THOMAS C
12262	MCGINN, CHRISTOPHER P
12273	DALIPAGIC, SUAD
12279	CROSS, RICHARD D
12290	SULENTIC, MILDRED E
12859	TAYLOR, CONNY M
12867	ONEILL, RICHARD E
12875	SPIRE, ALFRED S
12883	HUGHES, SCOTT D
12918	CATT, WILLIAM F
12929	KELLEY, ROENA
12955	ARENDT, KENNETH A
12956	OCCUPANT UNKNOWN,
12975	DOFFLOW, BOBBY D
12977	BENDER, DUANE F
12978	DEWITT, CHRIS
13000	ESPINOSA, VICTOR M
13001	CEBALLOS, GERARDO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005

31340	ARCO AM / PM
	YUCAIPA GAS MART
31412	CHEVRON STATIONS INC
31418	LA CUSTOM POOLS & SPAS
	LA CUSTOM POOLS & SPAS OMC
31462	ACEVES, EDUARDO
	ALFRED, DOUGLAS
	COPELAND, WALTER
	FISHER, AMY
	FRAINEE, CYNTHIA R
	GLASER, DOLORES A
	HARDESTY, STEVE W
	LOMBARDI, M
	STEWART, EVA M
	UGAPO, MELINA
	ZUNIGA, ROBERT
31472	LOPEZ, RAMONA
	MARISCAL, UBALDO B
31504	GATEWAY TIRE & SERVICE
31510	J C S HAWG SHOP
31514	BEBBER REALTY
	FILTER SCIENCE INC
	FRIENDS OF RICHARD MEYER
	JIM BEBBERS
	TAX OFFICE SENIOR ASSIST
31516	EUROPEAN AUTOMOTIVE
31520	OCCUPANT UNKNOWN,
31558	KNOLL, HAVEN
31594	CRILLY, FERN L
31604	HILLWIG GOODROW LLC
31608	CONSERVATORY OF DANCE
	HAIRSTYLING BY LARRY
	JAMES D KLOCEK INSURANCE
	LA MEXICANA RESTAURANT
	N STYLE
	STUDIO II DANCEWEAR
31614	E & E ORNAMENTAL IRON
	FISHER, MOLLIE F
31710	D & M PROPERTY
	EXCLUSIVE AUTO
	JOES AUTOMATIC TRANSM SERVICE
	JOES TRANSMISSION
31711	PLAY TOYS
31724	OLSON, LELAND P
31730	ZIMMERMAN, KURT R
31741	U STORE IT
31776	ADULT BASIC LEARNING ENVIRONMENT INC
	CONCRETENETWORK COM
	DENT SOLUTION
	GIBSON QUALITY MEAT

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

31776	KVS PAINT AND DECORATING CENTER
	RAVE BODY GEAR
	RJM CONSTRUCTION
	SMITTYS AUTO PAINTS OF YUCAIPA
	WOODS, JO A
31785	KOGLER, RICHARD
	PRINCE OF PEACE EVANGELICAL LUTHEREN
31786	SCP INSURANCE SERVICES
	STEVE PARKER INSURANCE
31810	SHEAR HEAVEN
31828	BURFORD, WALDO T
31832	PERRENOUD, NICHOLAS A
31838	ADAMS, JAMES S
31850	BECK, PATTI
	CLAUSEN, HAROLD J
	GORHAM, MELISSA J
	HERBERT, RONALD L
	HOLTBACH, BRUCE
	HOLTZBACH, BLAKE S
	ISAAC, JASON R
	MARTINEZ, J P
	MITCHELL, CLAUDIA
	NESSMAN, SEAN
	REYNOLDS, ERIK D
	SANTOS, ROBERT J
	SMITH, KEN W
	THORNTON, DEBORAH E
31852	OCCUPANT UNKNOWN,
31862	SUEYOSHI, ERIC I
31880	EL RANCHO CHICO CORP
	SANDOVAL, ROSARIO L
31910	B & B MOTORS
31970	OCCUPANT UNKNOWN,
31971	RHODES, GUY E
31975	BURKE, JERAD
	CANALEJAS, LAURENT L
	HUTSELL, ROB
	WOOTEN, RICHARD
31989	RIGGINS, MARLENE
32006	OCCUPANT UNKNOWN,
32045	U HAUL CO
32050	WEBER, LYNN K
32085	BARNES, CYRIL C
32098	MERRILL, DOUGLAS G
32150	BLACK, JAN P
32161	ALL PETS
	MAKAR GEORGE DVM
	YUCAIPA ANIMAL HOSPITAL
32209	HEINRICH, BRENT
32223	MACIAS, LETICIA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

32233	OCCUPANT UNKNOWN,
32247	OCCUPANT UNKNOWN,
32357	OCCUPANT UNKNOWN,
32387	ARYAFAR, BEHROUZ
32415	FRITH, DEBBIE
32525	SMOG BUSTERS
32575	MOUNTAIN HIGH CHRISTMAS TREES
32645	ARIAL S HI TECH AUTOMOBILE & TIRE
32666	YUCAIPA CITY FIRE DEPARTMENT
32693	HOLT, CHAUNCEY A
32711	FARMER BOYS RESTAURANT YUCAIPA
32749	ULTRAMAR
	VELERO GAS STATION
32921	CRUZ, JOHN
32971	FOUR SEASONS SMORGASBORD
	HICKORY RANCH STEAK HO
32999	APOSTOLIC CHURCH
	ARNETTS MARKET
	CANDYS COUNTRY KITCHEN
	CHRIS, CINO H
	DALE INGRID
	DOWNTOWN BARBER STYLIST
	EL PANSON MEXICAN RESTAURANT
	FIRST TIME DRIVER
	KIMS HAPKIDO
	KING WATER
	LAS, PINATAS
	LOPEZ, J
	LUCKY NAIL & SPA
	MANNA DONUTS
	NOTHIN NEW THRIFT STORE
	SEHEULT CARL DDS
	SEHEULT, CARL
	SOUND GOOD AUDIO
	SOUNDS GODD ENTERTAIMENT
	SOUNDS GODD ENTERTAINMENT
	TAYLOR MAID FLORIST
	TROPHY STORE
	YUCAIPA VALLEY PREGNANCY COUNSELING
33000	YUCAIPACALIMESA JOINT SCH DIST
33002	SIZZLER
33075	AL GOWER
	CENTURY 21 BEST PROPERTIES
	ENTERPRISE RENT A CAR
33076	ROSIES 1
33081	YUCAIPA OMNILINK
33089	DANNYS PIZZA
33092	BEST GDC INC
	G & G
	REPLACEMENT WINDOWS BEST GDC INC

YUCAIPA BLVD 2005 (Cont'd)

33109	ELITE AUDIO MOTORSPORT
	ELITE AUDIO MOTORSPORTS
33165	MCC CORP
	MCC EQUIPMENT RENTALS INC
33193	MONK, PAUL T
33233	U HAUL CO
	U S VIDEO & GIFT
33265	A & W ALL AMERICAN FOOD
33267	AGUAYO, JAMIE L
33269	REDMAN, LISA C
33271	CRYSTAL HEATING AND AIR CONDITIONING
	LAFFERTY, DAVID R
33333	YUCAIPA XPRESS LUBE & CAR WASH
33337	TAYLOR, JENNY
33345	UNITED STATES MISSION
	VU, TONY R
33353	CASH DONALD ATTORNEY AT LAW
	NEONATOLOGY MEDICAL GROUP
33441	ALWAYS WET WATER TRUCKS
	DANIEL, DELORES E
	MEADOWS, SEYMOUR C
	RUSH, ROBIN
33475	WENDYS
	WENDYS INTERNATIONAL INC
33478	EL POLLO LOCO
	EL POLLO LOCO CORP
33499	SAV ON DRUGS PHARMACY # 9649
33500	BANK OF AMERICA
33505	CARL KARCHER ENTERPRISES
33527	BOOKENDS
	CYBERTIME NETWORK SERVICES
	ELITE IMAGES HAIR & NAIL SALON
	OAKCREST HEALTH RESEARCH INSTITUTE
	PAMPERED PET BOUTIQUE
	TYPEWRITER & EQUIPMENT SERVICE
33561	CALIFORNIA FOOD STORES
	CHAPMAN HEIGHTS CONSTRUCTION
	GABBIANOS ITALIAN RESTAURANT
	GABBIANOS YUCAIPA INC
	GABBINOS ITALIAN
	HARLOWS KITCHEN CONCEPTS
	HOAGI, DOUGH
	JERSEYS PIZZA OF YUAIPA
	JOSES MEXICAN FOOD
	PAMPERED PET BOUTIQUE 2
	THE SUNRISE GROUP
	TYPEWRITER & EQUIPMENT SERVICES
	WILLIAM LYON HOMES INC
33562	BADGETT AMOS FINANCIAL GROUP
	CARPET TECH CLEANING SPCLST

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

33562	CINGULAR WIRELESS
	DOMINOS PIZZA
	F & A SMOKE SHOP
	HAPPY NAILS
	LAS FUENTES MEXICAN GRILL
	NIGHTINGALE, JASON E
	POSTAL ANNEX
	REAL SOLUTION FOR SOUTHERN CALIFORNI
	RENEE JOSEF & ASSOCIATES INC
	SO CALIFORNIA RESEARCH
	STEAMERS ONE HOUR DRY CLEANERS
	THE WORLD OF GIFTS
33575	JCS HAWG SHOP
	KOHRELL, JESSI
	M & M CARPETS INC
	PERFORMANCE BROKERS
33590	MCDONALDS
33595	LOVELACE, CLYDE W
33598	ARROWHEAD CREDIT UNION
	NORTON COMMUNITY CREDIT UNION
	SAUNDERS, GEORGE G
	YUCAIPA VALLEY OPTOMETRY
33601	RACHALS ART CENTER
33616	LONGS DRUG PHARMACY # 542
	LONGS DRUG STORE
33649	SUN CONTROL ELSONS INTERIORS
33676	CHINA BOWL
	G N C VITAMINS
33694	COLDSTONE CREAMERY
	DEBANFF MARYELLEN DDS
	DND DISTRIBUTORS
	HOME EMBELLISHMENTS
	LIBERTY FITNESS
	LOMA LINDA HEARING AID CENTER
	THE ELITE GROUP
33699	BOGH ROSILICIE
	CENTURY 21
	FILLMAN MICHAEL J DDS MS
	FILLMAN ORTHODONTICS
	HANSEN, GEORGE E
	KRUG SUSAN REALTOR
	LOIS LAUER REALTY
	RALPH SNOW REAL ESTATE
	ROSILICIE BOGH
	SMITH, LETA R
33720	ROSS DRESS FOR LESS
	ROSS DRESS FOR LESS # 756
33730	STAPLES INC
33733	BEAUREGARD, RICHARD I
	BEGLAU, DON

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

33733	BLUESKY ENTERPRISES
	DON HESKETH AGENCY
	DON L BEGLAU DDS
	FURBER JULIE DDS
	HOMETOWN PROPERTY MANAGEMENT
	KAREN GRANT INSURANCE
	KAREN, GRANT
	KLOCEK, JAMES D
	MARKSBURY BOOKKEEPING & TAX SERVICE
	PRUDENTIAL CA REALTY CATHRINE DARROW
	PRUDENTIAL CALIFORNIA REALTY
	PRUDENTIAL INSURANCE
	PULSIFER INSURANCE
	TROPICAL TANNING
	TUX TIME
33740	BLOCKBUSTER VIDEO # 02697
33981	CHURCH OF CHRIST IN YUCAIPA
	PANORAMA CHRISTIAN SCHOOL
34017	NEWELL NURSERIES INC
34045	ACTION RENTALS
	ALLISON, KEVIN E
	GILLMORE INSURANCE
	I C C
	MOUNTAIN AIR REAL ESTATE
	PARKS REALTY & PROPERTY MGMT
	SPELLACY & ASSOCIATES REALTORS INC
	SPELLACY & ASSOCS REALTORS INC PROPE
	WILSON D HERSHEL ATTORNEY AT LAW
	WILSON, D H
	YUCAIPA VALLEY BOOKKEEPING & TAX SER
34055	YUCAIPA VALLEY INN
34077	EXTREME CARS & TRUCKS II
	MACK MOTORS
34125	JIMS WHATTA STEAK
34171	COZY HOME FURNITURE
34181	HUDECS COMPUTER CONSULTANTS
	JAMES MICHAEL FIGUEREDO CONSTRUCTION
34185	BOB WALKER SIGNS
34191	OWNBEY, S
34199	YUCAIPA BATTING CAGES
34213	BIG STUFF RV & MINI STORAGE
	HELP U SELL
	OPTIMUM PHYSICAL THERAPY INC
	QUALITY TRAVEL
	STOP N GLOW TANNING
	TRAINING ZONE
	YUCAIPA VALLEY
	YUCAIPA VALLEY ENGINEERING INC
34219	COOPER, JAMES J
34223	GARCIA, DANIEL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

34229	CARLS AUTO REPAIR
34253	SALHOTRA SURAJ
	YUCAIPA MINI MARKET
34265	KEN AND JIMS LEASING CO
34277	HOLT INSURANCE SERVICES
34282	SAN BERNARDINO SHERIFFS DEPARTMENT
	YUCAIPA OUTREACH
34309	ANYDAYS PAYDAY & LOAN
	JHAVERI, NITIN
	PIZZA HUT
	STARKEY JEWELERS
	STARKEY, GEORGE
	YUCAIPA DOG AND CAT GROOMING
34318	WASHINGTON MUTUAL BANK
	WMBFA
34324	ANDREW ZVILNA
	CLIPPERS FAMILY CUTS
	PAYLESS SHOE SOURCE STORE 3148
	VALLEY GUIDANCE CENTER F YRGC
	WEBB, DAN
	YUCAIPA GUIDANCE CENTER
	YUCAIPA REAL ESTATE
34329	JEANS FLOWER BASKET
	UTILITY PAYMENT CENTER
34331	YUCAIPA AUTO SUPPLY INC
34335	STAR AUTO PARTS
34355	REDLANDS YUCAIPA RENTALS
34366	BLOCK H & R
	CHANDLER, NOREEN A
	CURVES
	HARRISON CHIROPRACTIC CENTER
	SERENITY SALON AND DAY SPA
	SWANSON PHOTOGRAPHICS
	THE ULTIMATE TAN
	WILDWOOD CALVARY CHAPEL
	YOUR CORNER DENTIST
34373	OAK HOUSE RESTAURANT
	WINES DEAN E DC
34380	CUCAS MEXICAN FOOD
	CUCAS MEXICAN RESTAURANT
	THE SPOT
34381	MELVIN, SHAWN M
34383	PRECISION AUTO PARTS & MACHINE
34389	HEMPHILL, ROSE
34391	SANDRA, LOGAN
34393	LOGAN, SANDRA G
34395	ELLENS BOULEVARD OF BEAUTY
34405	REEVES, HOWARD E
34409	SPORT SHACK
34420	RITE AID PHARMACY # 5709

YUCAIPA BLVD 2005 (Cont'd)

34425 SHAW, ROBERT D
34428 ALLSTAR PRODUCTS
AMPLIFIED CUSTOM CAR AUDIO
BARTLETT CHIRO MEDICAL CLINICS
BENTON, CATHIE J
CHURCH OF ALL GODS CHILDREN
CNC POLYGRAPH
DMI LENDING
DMI LENDING RESOURCE CENTER
DOUGLASS, FRED K
DYNASTY ENTERPRISES
DYNASTY LENDING
FANTASTIC SAMS
FITHIAN, DONALD J
GLANCY, MICHAEL E
GLOBAL TEST SOLUTIONS LLC
GO RED TRANSPORTATION
HENDRON, JENNIFER
HOPPLE, JOHN D
HUTCHINS, ROBERT D
INLAND VALLEY PLUMBING SUPPLY
JAIRNET ONLINE
KNSCJZ INC
LACSAMANA, ANTHONY R
LEISURE, BRAD A
LONG, STEPHEN A
MAGENHEIM, JOSEPH
MAIL BOXES ETC
MCQUEEN, KELLEY E
MOTZ, SCOTT A
NESMITH, CHARLES R
OSBORN, DEMA L
PAISANOS ITALIAN RESTAURANT & DELI
PAUL, RICHARD S
PERFECT PERFORMANCE CORP
PHARES, JAMES B
RAMSEY, JIM A
RETH, CHRISTOPHER A
RICHARDSON, ALMON R
ROBINSON, HOMER J
RODGERS, MARLENE
RUDE, MICHAEL L
SAN BERNARDINO PIPE ND SUPPLY
SELLENRAAD, CAREL
SHAUL, DAVID L
SHIPMAN, SUSAN L
SPC MEDICAL BILLING
STRATODYNE INC
TABOR ELECTRONICS
TURNER, LAURIE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

34428	UPRIGHT ILLUSIONS
	WADE, RICHARD L
34429	MINAS SHELL
34432	PARADISE RESTAURANT
	RADIO SHACK CONSUMER ELECTRONICS STO
	RADIOSHACK
34444	ROMERO, ANGELINA
34445	BEAUTY NAIL SALON
34447	AGUILAR, MARIA D
	AUSTIN, GAIL M
	HALE, STEVEN
	HARRAGARRA, BERNADETTE
	HERNANDEZ, ROBERTO
	HIDE WAY MOBILE HOME PARK
	HUGHES, SEAN T
	IBARRA, DELIA
	JETER, CHARLIE P
	KERICHENKO, ALISHA
	MOJICA, FRANCISCO D
	RANGEL, MARIA N
	SCHULZ, WESLEY A
	SIMMONS, REG
	SWIGART, ANN M
	TERWILLIGER, STEVE
	TESSANNE, ANGELA J
	TESSIER, RE D
	WOODFORD, LAWRENCE
34448	BETTER LIFE FITNESS
	FITNESS 19
	SUPERSTAR VIDEO
	XLARGE MANUFACTURING
	YUCAIPA FITNESS
34449	STEP AHEAD COMPUTERS
34451	OASIS TANNING SALON
34453	ADULT BASIC LEAMING ENVIRONMENT INC
34455	BUNCKNER RANDLE JR
	GREER LAWRENCE ATTORNEY
	IMPORT PLYWOOD MARKETING
	MCKIBBAN CONSULTING & ASSOCIATES
	WORLD CLASS MULTIMEDIA LLC
34459	BONGO BAY PET PRODUCTS
34460	STATER BROTHERS MKTS
34461	COUNTRYSIDE GIFTS & BASKETS
	MCCARTY MEDICAL LTD
34463	FAMOUS EUROPEAN CUSTOM TLR SP
34471	ASADEROS MEAT MARKET
	BOULEVARD OF BEAUTY
34475	DIVERSIFIED UTILITIES
	FIRST CHOICE MORTGAGE
	HORIZON 2000 INC

YUCAIPA BLVD 2005 (Cont'd)

34475	HOWARD ROBERTS DEVELOPMENT
	JUST DOCUMENT PREPARATION
	RON BORGHI
	WORKMAN, BRIAN
34477	S & D CASH ADVANCE PAYDAY FNNC
34479	YUCAIPA HEALTH MASSAGE
34481	JACKS SMOKE SHOP
34483	NUTRASHOP
34488	CHINESE EXPRESS DONUT HUT
	KIMBERLY HALLMARK
	TIP TOP ICE CREAM
	USA CLEANERS
	YEO ELIOT M DDS
	YEO, ELIOT M
34489	HOOKAH HEAVEN
34503	WALGREENS 5348
	WALGREENS PHARMACY # 5348
34504	JACK IN THE BOX
34536	KARICO SERVICES
34541	KENTUCKY FRIED CHICKEN
34557	GREEN HO
	GREEN, HOUSE
	RANDYS AUTO BODY
	RICARDOS GARAGE
	STERLING TIRE CO
34569	FAMILY CHIROPRACTIC CENTER OF YUCAIP
	UPSCALE MARKETING
	VITAL TOUCH THERAPEUTIC MASSAGE
	VITAL TOUCH THERAPEUTIC MSG
	WENDY NADEAU
34579	PIZZA CHALET
34580	CALIFORNIA FEDERAL BANK
	CITI BANK
34599	DE ZONIAS PRMR HOME FRNTR
	DEZONIAS PREMIER HOME FURNITURE
	THE BUNKHO
	THE BUNKHOUSE YUCAIPA BED CENTER
34601	BIG LOTS
34610	PARTY PANTRY
34620	LUPITAS MEXICAN FAST FOOD
34630	OCCUPANT UNKNOWN,
34642	AKKINSON, WILLIAM A
	AZBILL, PAUL E
	BERGMAN, WADE
	BERNAL, MOLLY
	BRANHAM, SHARON L
	BURNS, PAMELA M
	CERVANTEZ, ANTHONY
	DAILEY, JAY
	DAY, WILLIAM

YUCAIPA BLVD 2005 (Cont'd)

34642	DELORBE, CARLOS
	DIXON, CATHERINE L
	ERICKSEN, WALTER
	ERICKSON, DAVID
	FELICIANO, VICTOR E
	FERNANDEZ, CELIA
	FRIAS, JOSEPH E
	FUDOR, STANLEY
	FUENTES, MANUAL
	GILLEY, DARRELL W
	GLENN, HARRIET T
	GOLDEN, LYMAN A
	GOODMAN, WILLIAM C
	HAUSSNER, JETTA
	HAWKS, CHRIS
	HAYES, CAROLANN
	HAYNES, KAREN R
	HENDERSON, DEBORAH K
	HENDRIX, RONALD L
	HIERS, RICHARD
	HUNN, WEDWARD E
	IRWIN, PAMELA S
	KINCAID, JAIME
	KNOLL, KALYN
	KNOWLES, DONALD
	LEE, BONNIE B
	MENDOZA, SENEN M
	MICKLES, SAMUEL M
	MILLIGAN, PAUL
	MOTTS, RUTH S
	PACHECO, A
	PERKINS, MARY E
	REDINGER, JOHN
	REY, CAROL A
	RICHEY, MICHELLE
	SARTOR, PETER F
	SHEPHERD, SUZANNE M
	SHOOK, DAVID W
	VANANTWERP, JOHN R
	WEISS, ROBERT L
	WILLIAMS, KAREN R
34657	MR CRUMS DO NUTS
34675	GARY M FREESTONE
	JONES WALTER MD
	JONES, WALTER
	MEHTA PRANAV R MD
	MEHTA, PRANAV R
	PRIMECARE OF REDLANDS
	TEICHGRAEBER JOE MD
	YUCAIPA PHYSICAL THERAPY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

34696	ARCO # 9717
	YUCAIPA SERVICE STATION INC
34712	YUCAIPA CAR WASH & AUTO CENTER
34724	AIRE RITE HEATING & AIR CONDIT
34745	KRAGEN AUTO PARTS
34784	FIRST BAPTIST CHURCH OF YUCAIPA
	YUCAIPA CHRISTIAN PRESCHOOL
	YUCAIPA CHRISTIAN SCHOOL
34789	BEST LUMBER TRUE VALUE HOME CENTER
34795	JIFFY LUBE NO 2825
	LUBE SHOP INC
34806	MILLER NORMAN R OD
34816	OCCUPANT UNKNOWN,
	OF THE ESSENCE SKIN CARE
	TOUCH OF ROMANCE
34841	PETRO MART INC
34844	BIKE PATROL SPECIALISTS
	YUCAIPA BIKE CENTER
34845	KHWAJA A SIDDIQUI MD
	LOVEJOY COLLECTABLES
	SIDDIQUI, KAJA A
	TOWN & COUNTRY CONSTRUCTION
34848	KOPPER KETTLE CAFE AND CATERING CO
34852	WIENERSCHNITZEL NO 587
34855	HARWOOD, ROGER A
	HARWOODS CONCRETE
34860	DEL TACO # 289
34861	BISHOPS CARPET CLEANING
	CUSTOM METAL FABRICATION
	GRANLUND, LONNI D
	KRAWCZYK, EDWARD J
	MOIST MOBILE HOMES
	MOIST REALTORS
	ROSKIE, ALAN
	SCHULTZ AUTO BODY
	WESTERMEYER, LEONARD A
34877	TRAYER REALTY INC
34880	IMPERIAL DENTAL PRACTICE
34885	JETT, AMY V
34895	BEAUTIFUL SMILE DENTISTRY
	DR ROGER SOHN
34909	SUBS OF USA
34911	NATIONWIDE MOTORSPORT
34919	INLAND VALLEY FEED
34931	COLLISION CENTER OF YUCAIPA
	J L CLASSICS
34952	YUCAIPA TIRE & AUTO SERVICE
34968	KODIAK INSURANCE
	OCCUPANT UNKNOWN,
34969	A CALIMESA YUCAIPA SAFE & LOCK

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

34969	ACTION PLUMBING
	EBY BEN W
	FLOWER SCENT CLEANING
	PETERS STEVEN R ATTORNEY AT LAW
34970	ARRELLANO, RAQUEL
34972	ENDEZGUTIERREZ, C M
34974	FROG ENTERPRISE
34980	OCCUPANT UNKNOWN,
34982	BUSTAMANTE, PABLO
34993	THE BEACH CAFE
34996	SPIRES AUTOMOTIVE CENTER
35006	KIVETT REALTORS INC
	SUNDANCE ENTERPRISES
35007	J & J MARKET & SMOKE SHOP
	K VS PAINT DECORATING CENTER
35013	MENDOZA, MARCELO T
35018	K T SERVICES ES
	VALLEY VIEW MORTGAGE INC
35019	COUNTRY COTTAGE
	OCCUPANT UNKNOWN,
35025	OCCUPANT UNKNOWN,
35026	DITECH
	JONATHAN T EMRAY
	UNIQUE MACHINE & ENGINEERING
35031	ORR, ROBERT C
35034	COMPUTERLAND
	VOICE
35039	M & M MATTRESS & FINE FURNISHINGS
35051	CONTRACTORS EMERGENCY SERV
	METROPOLIS
	METROPOLIS HAIR STUDIO
	TAYLOR YOUR EVENT
35057	BIG BOYS TOYS
35058	ABUNDANT LIFE FELLOWSHIP
	IGLESIA CRISTO EL REVENTOR
35063	RICKS BARBER SHOP
35064	SET FREE JESUS HAND THRIFT STORE
	SET FREE MINISTRIES
35067	CUSTOMIZED ACCOUNTING SERVICES
35077	MANNEYS ICE CREAM
	MANNEYS SMOKE SHOP & 99 + STORE
	PURI GROUP CO
	PURI GROUP OF CO INC
	YUCAIPA SHOE REPAIR
35081	MAX MUSCLE
	NUTRI SHOP
	WILLIAM BERG GUITARS
35085	AMERICAN UNDERGROUND
35087	MINDS EYE TATTO THE
35089	SYLVIAS GIFTS PARTY SUPPLY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

35095 MARLENES JEWELRY
35096 KATIE ANNS
35107 FASHION EXCHANGE
35120 POWERHO YM & AEROBICS
35126 OIL CAN HENRYS
35131 ARNOLD MICHAEL S
35134 ROSITAS
35139 YUCAIPA IRIS FESTIVAL ASSOCIATION
YUCAIPA VALLEY CHAMBER OF COMMERCE
35140 NASH CLEANERS
35141 LYNCH FLOWER SHOP
35144 FRISCH MENS WEAR
35145 H L FRISCH SHAKLEE DISTRIBUTORS
HL FRISCH INC
35151 CHRISTIAN SCIENCE READING ROOM
35154 THE CENTURY GROUP INC
YUCAIPA & CALIMESA NEWS MIRROR
35157 MICHAELS MANE ATTRACTION
35158 BLEST BAKERY
WILDWOOD AMERICAN BISTRO
35168 LOOSE NUTS ENTERPRISES
TURNERS CARPETS
35180 CLARY CHRISTINE M MS MFT
WHITE DOVE COUNSELING CENTER
35182 SANDRA LIDBOM TAX SERVICE
35192 SUNSET MOTEL
35207 AUTO CARE CLINIC STORE
35208 EMERSON BARTLETT
EMMERSON BARTLETT MEMORIAL CHAPEL RE
HUGHES FUNERAL CHAPEL
35222 CYCLE WERKS
35242 A & W TAX SERVICES
ALLEN, JAMES R
AUDIO VISION RADIO READING SERVICE F
BAKERS TAX SERVICE
LESLIE GORDON HAIRSTYLING
VALLEY MESSENGER
35249 CROWN CRFTERS DENTAL CRMC STD
WEED, STEPHEN J
WILDWOOD MOIST
WILDWOOD PROPERTY MANAGEMENT CO
35256 WHITE RABBIT COFFEE CO
35258 COLEMAN ROBIN B
35268 TWYLTH TEG
35280 TONYS AUTO REPAIR SHOP
35283 REID, J
35289 YUCAIPA WELLNESS CENTER
35295 LOVE CHILD
PRO SHIELD AUTO GLASS
35317 CHANG, BYUNG J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

35330	WESTERBERG, DAVID
35331	ARREDONDO, ARMANDO
35336	AGUILAR, JUAN
35339	MOYA, ADAM J
35342	HARRELL, VEIT
35344	WALTNER, ALICE R
35352	GRANICH, GEORGE S
35356	GRABOWSKI, STANLEY
35363	OCCUPANT UNKNOWN,
35364	HUBIS, JEFF
	POLSTON, SHANICEY
35366	LOPEZ, L
	RICKS, JASONS
	SWANSON, EVELYN E
35369	OCCUPANT UNKNOWN,
35372	HERRERA, LUCIA
35374	OCCUPANT UNKNOWN,
35377	AHLRICH, TIMOTHY D
35380	MCGINNIS, RICHARD L
35382	ARCADI, ROBERT M
35385	OCCUPANT UNKNOWN,
35391	PURI, MANISH
35392	SOLBERG, MARY D
35412	GARCIA, FERNANDO
35415	NICOLET, LINDA D
35422	OCCUPANT UNKNOWN,
35424	GROVES, ARLENE
35425	NICOLET, TIFFANY
35434	LEITHNER, HAROLD R
35439	NEWMAN, SHAWN P
35442	WAMSLEY, SUSAN M
35445	YETT, LONNIE G
35446	STARICK, MILTON R
35455	BAUGHAN, CRYSTAL R
	CHICCARELLI, GLENN
	CHRISTOPHER, EDWARD L
	FLESHER, THOMAS C
	INGRAM, SUSAN M
	TORRES, JULIE T
35456	OCCUPANT UNKNOWN,
35460	OCCUPANT UNKNOWN,
35462	COOPER, BRIDGET
35464	LAURIE, BRIAN W
35465	JOSEPH, MARIA A
35472	LAKE, VERNE E
35475	BARRINGTON, VIOLA R
35480	BLAZEK, GARON A
35488	APODACA, ROBERT G
35489	COOPER, KEVIN O
35493	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2005 (Cont'd)

35494 HOLOD, JAMES R
35558 BAILEY, ROBIN A
35592 WRIGHT, JOHN H
35670 PEREZ, SACHIKO O

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 2000

12118	YUCAIPA AUTO ELECTRIC
12137	R N C USED CARS
	ROAD RUNNER RADIATOR
12153	CARD KING ROOFING
12167	GLIDEWELL, V A
12170	GUSTIN, NORMA A
12181	MORRIS, LARRY C
12193	OCCUPANT UNKNOWN,
12194	GRIFFITH, EVAN
	SMITH, JOLEAN
12195	OCCUPANT UNKNOWN,
12197	WOERLEE, PEGGY L
12213	HUDDLESTON, MATTHEW D
12216	OCCUPANT UNKNOWN,
12227	OCCUPANT UNKNOWN,
12235	KIRKHAM, JUSTIN C
12243	WALKER, THOMAS C
12259	JAFRA ANN WHITTAM
	WHITTAM, ANN E
12262	MCGINN, CHRIS P
12273	SCHWARTZ, JUANITA O
12279	CROSS, RICHARD
12867	ONEILL, RICHARD
12875	TUTTLE, WILLIAM
12883	HUGHES, SCOTT D
12918	CATT, WILLIAM F
12955	OCCUPANT UNKNOWN,
12956	MORRIS, EULA M
12975	DOFFLOW, ROB
12977	OCCUPANT UNKNOWN,
12978	DOFFLOW, ROBBY L
13000	OCCUPANT UNKNOWN,
13001	COSTGUARD TRANSPORTATION INCORPORATED
	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000

31340	ARCO AM PM MINI MARKETS
31412	CHEVRON STATIONS INCORPORATED
31418	VALLEY TV
31440	PARTY SHOPPE THE
31462	ATKINSON, CHARLES
	BRAY, TOBY
	PINEDA, MARIA
	SEPULVEDA, FERMINA
	STEWART, EVA
	VASQUEZ, LISA
31484	CUEVAS, JASMINE
31504	GATEWAY TIRE & SERVICE
31510	TEKNIDYNE
31512	VISIONS BEAUTY SALON
31514	A DLR SOCCER
	A PLUS SOCCER
	FRIENDS & COMPANY
	TAX OFFICE SENIOR ASSIST
31516	EUROPEAN AUTOMOTIVE
31558	KNOLL HAVEN ANTIQUES
31582	CRILLY, CARL G
31594	CRILLY, B E
31604	DESHLERS SPECIALTIES
	DESHLERS SPECIALTIES AUTO UPHOLSTERY
31608	CONSERVATORY OF DANCE
	DEWEES & SEVEL REAL BETTER HOMES & GARDENS
	HAIRSTYLING BY LARRY
	HOMELIFE PREFERRED PROPERTIES
	IMAX INFORMATION SYSTEMS
	LAMEXICANA RESTAURANT
	STUDIO II DANCEWEAR
31614	E & E ORNAMENTAL IRON
	FISHER, MOLLIE F
31640	FURNITURE SERVICE
31680	OCCUPANT UNKNOWN,
31710	JOES AUTOMATIC TRANSMISSION SERVICE INCORPORATED
31711	PEDAL CARS OF SOUTHERN CALIFORNIA
	PLAY TOYS
31724	OLSON CAROL ASSOCIATES
	OLSON, LELAND P
31730	ZIMMERMAN, G C
31738	CPM DEVELOPMENT INCORPORATED
	LEJA ENGINEERING
	QUALITY TRAVEL CONNECTIONS
	YUCAIPA VALLEY ENGINEERING INCORPORATED
31741	OCCUPANT UNKNOWN,
	U STORE IT
31776	OCCUPANT UNKNOWN,
31785	PRINCE OF PEACE EV LUTHERAN CHURCH WISCONSIN SYNOD
31786	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

31810	BREWSTER HELEN SALON
	KIMBERLYS HAIR DESIGN
	OCCUPANT UNKNOWN,
	SHEAR HEAVEN
31828	OCCUPANT UNKNOWN,
31838	ADAMS BOOKKEEPING
	ADAMS, JIM
31850	GONZALEZ, JASON
	HERBERT, WILLIAM B
	HOLTZBACH, MICHAEL
	MONGAR, TAMRA L
	PATTISON, G E
	ROBERTS, TAMMY A
	SPARKS, C
	TSCHUDY, K
31852	GOUDE, DAVID A
31880	OCCUPANT UNKNOWN,
31910	B & B MOTORS
	OCCUPANT UNKNOWN,
31924	OCCUPANT UNKNOWN,
31961	OCCUPANT UNKNOWN,
31967	WILLIAMS, TOM
31970	OCCUPANT UNKNOWN,
31971	FRANCO, TRACY A
31989	OCCUPANT UNKNOWN,
32006	SANDRA, M R
32029	OCCUPANT UNKNOWN,
32036	OCCUPANT UNKNOWN,
32050	POPOW, KEN
	ROCHE, WILLIAM E
32082	RUIZ, DIAN
32085	BARNES, CYRIL C
32098	MERRILL, DOUGLAS G
32108	OCCUPANT UNKNOWN,
32161	MCMILLAN, KENNETH
	PETTY V M DVM
	YUCAIPA ANIMAL HOSPITAL
32209	OCCUPANT UNKNOWN,
32223	MARQUEZ, JESUS
32233	GUDINO, MARTIN A
32237	OCCUPANT UNKNOWN,
32357	OCCUPANT UNKNOWN,
32387	OCCUPANT UNKNOWN,
32423	HYDRO CREATIONS
	LEROYS LANDSCAPE SERVICES
32487	7 ELEVEN FOOD STORES STORES
32525	CRAFTON HILLS SOCO
	ROAD RUNNER AUTO REPAIR
	SMOG BUSTERS
32645	WIPPERTS RV REPAIR

YUCAIPA BLVD 2000 (Cont'd)

32666	SAN BERNARDINO COUNTY OF FIRE DEPARTMENTS
32749	ULTRAMAR
32807	UNITY MINISTRY
32881	JOSE PEREZ DETAILING
	NORTHEAST CONSTRUCTION
	YUCAIPA VALLEY AUTO SALES
32921	KIRCHER, DENNIS
32971	ATHENIAN PALACE
	HICKORY RANCH STEAK HOUSE
32999	A TAYLOR MAID FLORIST
	APOSTOLIC TABERNACLE
	ARNETTS MARKET
	BALLOON EXPRESS
	BOOGIE BOOGIE CLUB
	CANDYS COUNTRY KITCHEN
	CHANTAL BARBER & BEAUTY SHOP
	EL PANSON MEXICAN RESTAURANT
	FARMERS INSURANCE GROUP AGENTS
	FIRST TIME DRIVER
	HESKETH DON AGENCY
	INLAND MEDIA CORP
	LAS PINATAS
	MANNA DONUTS
	NOTHIN NEW THRIFT STORE
	SEHEULT CARL DDS
	TROPHY STORE THE
33000	YUCAIPA CALIMESA JOINT UNIFIED SCHOOL DISTRICT
33002	SIZZLER RESTAURANTS
33075	BATSON-POTTER CENTURT 21
	CENTURY 21 BEST PROPERTIES
33081	INLAND VALLEY FEED
	REDLANDS MENTONE DIAL A RIDE
	YUCAIPA DIAL A RIDE
33089	BIG JOHNS PIZZA
33092	BEST GARAGE DOOR COMPANY
	COPELAND GARAGE DOOR
33145	BORDEN HEATING & AIR CONDITIONING
	OCCUPANT UNKNOWN,
	RUSSELLS HEATING & AIR CONDITIONING
33155	OCCUPANT UNKNOWN,
33165	PSYCHIC VISION
33193	MONK, PAUL
33233	GROCERS OUTLET
	THE BOULEVARD
33263	OCCUPANT UNKNOWN,
33265	A & W ROOT BEER
33267	OCCUPANT UNKNOWN,
33269	REDMAN, LISA
33299	DEL TACO
33333	YUCAIPA XPRESS LUBE & CAR WASH

YUCAIPA BLVD 2000 (Cont'd)

33345	MOUNTAIN VIEW BOARD & CARE
	OCCUPANT UNKNOWN,
33353	CASH DONALD ATTORNEY AT LAW
33359	PAMPERED PET BOUTIQUE
33423	OCCUPANT UNKNOWN,
33441	DANIEL JOHN H PLASTERING
	DAVIS, GARY L
33477	OCCUPANT UNKNOWN,
33488	CHAPMAN HEIGHTS
	COMMUNITY SOUTHWEST
33527	C D CITY
	CYBERTIME NETWORK SERVICES
	DINGS CHINESE FOOD
	ELITE IMAGES HAIR & NAIL SALON
	ENCORE CREATIONS
	OCCUPANT UNKNOWN,
33561	CALIFORNIA FOOD STORES
	CARNATIONS & LACE GIFTS
	HARLOWS KITCHEN CONCEPTS
	HOGI YOGI CAL YUCAIPA
	JOSES MEXICAN FOOD
	KITCHEN CONCEPTS BY HARLOWS
	ROUND TABLE PIZZA
	SUNSET VIDEO
33575	AMWAY WATER SYSTEMS
	J CS HAWG SHOP
	M & M CARPETS
	MIRROR IMAGE DETAILING
	SMOG & SAVE
33595	LOVELACE, CLYDE W
33600	ENVIRONMENTAL GOLF
33601	RACHALS ART CENTER
33629	HUGHES FUNERAL CHAPEL
33649	OCCUPANT UNKNOWN,
	WILLOWS BEND THE
33733	BEAUREGARD RICHARD INVESTMENTS
	BEAUREGARD, RICHARD
	BEGLAU DON L DDS
	BRECKE JEFF INSURANCE
	EDWARD JONES YUCAIPA
	FARMERS INSURANCE GROUP AGENTS
	HERBERT DAVID M CHRIPRCTC
	HERBERT, DAVID M
	KLOCEK JAMES D INS AGENCY
	MARKSBURY, GREGORY K
	PRUDENTIAL MILLER REALTORS
	PRUDENTIAL THE AGENT
	PULSIFER DICK INS
	TODAYS HEALTHY SOLUTIONS
	TROPICAL TANNING

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

33733	TUX TIME
	YUCAIPA CHIROPRACTIC
33981	CHURCH OF CHRIST IN YUCAIPA
	PANORAMA CHRISTIAN SCHOOL
34017	NEWELL NURSERIES
34045	GILMORE INSURANCE
	LEE DON ENROLLED AGENT
	LEWIS, JODIE
	PAGER ISLAND
	SPELLACY & ASSOCIATES REALTORS INCORPORATED
	SPELLACY & ASSOCIATES REALTORS INCORPORATED PROP MANAGEMENT
	STONE SANDY ENROLLED AGENT
	STONE, SANDRA L
	WILSON D HERSHEL ATTORNEY AT LAW
	YUCAIPA VALLEY BOOKKEEPING & TAX SERVICE
34055	LORTON, DANA
	YUCAIPA VALLEY INN
34077	AUTO CONNECTION
	MCCARTNEY, BRIAN D
	TOWN & COUNTRY MOTORS
34171	FURNITURE MAN
	U-HAUL CO INDEPENDENT DEALERS
34173	ARIALS HI TECHNOLOGY AUTOMOBILE & TIRE SERVICE
34181	HUDECS COMPUTER CONSULTANTS
	JAMES MICHAEL FIGUEREDO CONSTRUCTION
34185	BOB WALKER SIGNS
34191	OCCUPANT UNKNOWN,
34203	SALGADO, JUAN C
34205	OCCUPANT UNKNOWN,
34219	OCCUPANT UNKNOWN,
34223	GARCIA, DANIEL
34229	CARLS AUTO REPAIR
34253	J & J TEXACO
34265	COMET TERMITE SERVICE INCORPORATED
34272	YUCAIPA CITY OF CITY OFFICES
34282	SAN BERNARDINO COUNTY OF HEALTH DEPARTMENT PUBLIC
	SHERIFFS DEPARTMENT
34299	COMMUNITY BANK
34309	COLONIAL CLEANERS
	DAVIDS BASEBALL CARDS
	MEYER GEO COMPANY
	PIZZA HUT
	STARKEY JEWELERS
	YUCAIPA DOG & CAT GROOMING
34318	WASHINGTON MUTUAL
	WASHINGTON MUTUAL BANK LOCATIONS
	YUCAIPA TRAVEL SERVICE
34324	CENTURY 21 LOIS LAUER
	CLIPPERS FAMILY CUTS
	KRUG SUSAN REALTOR

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

34324	LITTLE CAESARS PIZZA PIZZA
	PAYLESS SHOE SOURCE STORE 3148
	WEBB, DAN
34329	FLOWER BASKET
	UTILITY PAYMENT CE
	UTILITY PAYMENT CENTER
34335	YUCAIPA AUTO SUPPLY INCORPORATED
34355	REDLANDS YUCAIPA RENTALS
	RYDER TRUCK RENTAL ONE WAY INCORPORATED
34366	BLOCK H & R
	FRANKLAEN TRADING COMPANY
	GIRL TRENDZ
	HARRISON CHIROPRACTIC CENTER
	INLAND OFFICE SUPPLY
	MIDTOWN VIDEO
	SWANSON PHOTOGRAPHICS
	TYPEWRITER & EQUIPMENT SERVICES
	ULTIMATE TAN THE
	YOUR CORNER DENTIST
34373	CLYDES TV
	OAK HOUSE THE
	OCCUPANT UNKNOWN,
34380	BURGER KING
	OCCUPANT UNKNOWN,
34383	PRECISION AUTO PARTS & MACHINE SHOP
34389	OCCUPANT UNKNOWN,
34395	BOULEVARD OF BEAUTY
	ELLENS BOULEVARD OF BEAUTY
34401	PIC N SAVE
34405	REEVES, HOWARD
34409	SPORT SHACK
34420	RITE AID PHARMACIES YUCAIPA
	WESTERN UNION YUCAIPA
34428	BARNEY, STEVEN R
	C M C PAPERBACK EXCHANGE
	EMENGER, GRIGG P
	FANTASTIC SAMS
	FOREMAN, BILLY
	FRANKLIN, MYRON
	GLISSON, BEVERLY F
	HAZARD, R F
	LARIMER, J
	LEISURE, BRAD A
	MAIL BOXES ETC
	MANSINON, RONALD L
	MCGAFFEY, HERBERT
	PASCOE, JULIA
	PAULS SHOES INCORPORATED
	REDINGER, DON
	SHERLOCK, CHARLES R

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

34428	THE VICTORIAN STAMP CO
	WEBB, WILLIAM
	WESTERN UNION YUCAIPA
	YAUCHZEE, ALLAN
	YORK, STACY A
34429	MINAS SHELL
34432	DOMINOS PIZZA
	FILLING STATION RESTAURANT THE
	GENERAL NUTRITION CENTER
	RADIOSHACK A DIVISION OF TANDY CORPORATION
34445	BEAUTY NAIL SALON
	LAUER LOIS REALTY
34447	BAKER, WILLIAM
	BELLO, LOPEZ T
	FERGUSON, BEN J
	FISKE, P
	GALVAN, ADAN
	HIDE A WAY MOBILE HOME
	MCCUTCHEON, K D
	RIOS, VICTOR E
	SOTO, JUAN
34448	SUPERSTAR VIDEO
34449	STEP AHEAD COMPUTERS SALES & SERVICE
34451	THE LAST STOP BOARDSHOP
	TRENDY FASHIONS
34453	ADULT BASIC LEARNING ENVIRONMENT INCORPORATED
	OCCUPANT UNKNOWN,
34455	BENEFIEL, CHARLES M
	DOVELL ENGINEERING
	GREER LAWRENCE ATTORNEY
	IMPORT PLYWOOD MARKETING
34459	BONGO BAY PET PRODUCTS
	GALAXY SPECIALTY SERVICES
	YE OLDE TRADITIONS TREASURE SHOPPE
34460	STATER BROTHERS MKTS
34461	SHEKINAH FAMILY VIDEOS
34463	PHOTO PLACE
34470	GOODYEAR TIRE CENTER
34471	ANTIQUE TIME TOYS
	CYBER WEB COM
	E BUYS
34473	BONITAS FABRIC BOUTIQUE
34475	ALLSTATE INSURANCE COMPANIES SALES OFFICES
	BARNES KAREN INS
	BARNES, KAREN
	BORGHI RON INS
	YUCAIPA FREIGHT
34477	FAMOUS EUROPEAN CUSTOM TAILOR SHOP
34479	WILLIAM BERG GUITARS
34483	YUCAIPA HEALTH FOODS

YUCAIPA BLVD 2000 (Cont'd)

34488	AUTOZONE
	BASKIN ROBBINS
	CHIEF AUTO PARTS
	CHINESE EXPRESS DONUT HUT
	HALLMARK KIMBERLY CARDS & GIFTS
	KIMBERLY HALLMARK SHOPS
	OCCUPANT UNKNOWN,
	USA CLEANERS YUCAIPA
	YEO ELIOT M DDS
	YUCAIPA FAMILY DENTISTRY
34489	ALICES FASHIONS
34504	JACK IN THE BOX NO 169
34536	ALVINOS MEXICAN RESTAURANT NO 2
	GRIZZLEYS BAR & GRILL
34541	KENTUCKY FRIED CHICKEN
34542	OCCUPANT UNKNOWN,
34544	HARTNELL HORSPOOL FOX PROFESSIONAL CORPORATION
	KAVIGAN VIVIAN BOOKEEPING
34557	GREEN HOUSE
	RANDYS AUTOBODY & PAINT
	RICARDOS GARAGE
	STERLING TIRE COMPANY
34560	OCCUPANT UNKNOWN,
34569	FAMILY CHIROPRACTIC CENTER OF YUCAIPA
	OCCUPANT UNKNOWN,
	RHONDAS CLASSIC DOLLS
	SHEDD BRIAN C DC
34579	PIZZA CHALET
34585	YUCAIPA CENTER VIDEO
34599	YUCAIPA FINE FURNITURE
34610	PARTY PANTRY
34620	MUTTLEYS BAR & GRILL
34635	AUTOZONE
34642	ASAM, JOHANNA
	AYALA, F
	AZBILL, PAUL E
	BAXTER, J
	BLANCARTE, EVELYN
	BUTLER, CHARLES W
	DAILEY, JAY
	DAY, WILLIAM
	DIXON, C L
	DUFFER, IRENE D
	FUDOR, STANLEY
	HENDRIX, RONALD
	HITCHING POST MOBILE HOME PARK THE
	HUNN, W E
	HUXTABLE, MARY J
	KIRK, MARK
	LEE, B B

34642	MANER, B
	MCCARROLL, KIRSTEN
	MOTTS, RUTH S
	PERKINS, MARY
	PRATHER, R
	RICHMOND, VERNOR
	SCOTT, WINONA C
	SILVERTHORN, HEATHER J
	SOLORZANO, JESUS
	THOMPSON, G G
	VALENCIA, ELLA M
	VANGILDER, FRANK
	WEASE, JO ANN
	WEISS, ROBERT
	WILLIS, RAY L
34657	MR CRUMS DO NUTS
34675	JONES WALTER MD
	LAUDENSLAGER ERIC RPT
	LOMA LINDA UNIVERSITY PEDIATRICS MEDICAL GROUP INCORPORATED
	MEHTA PRANAV R MD
	PRIME CARE HEALTH EDUCATION CENTER
	PRIME CARE MEDICAL GROUP OF REDLANDS
	PRIMECARE MEDICAL GROUP OF REDLANDS
	TEICHGRAEBER JOE MD
	YUCAIPA PHYSICAL THERAPY
34712	CRAFTON HILLS AUTOMOTIVE
	YUCAIPA CAR WASH & AUTO CENTER
34717	BANK OF AMERICA BANKING CENTERS
	BANK OF AMERICA IN STORE BANKING CENTERS
34724	AIRE RITE HEATING AND AIR CONDITIONING
34745	KRAGEN AUTO PARTS
34784	FIRST BAPTIST CHURCH OF YUCAIPA
	YUCAIPA CHRISTIAN SCHOOL
34789	TRUE VALUE BEST HOME CENTER
34795	KWIK LUBE
34806	A FAMILY PRACTICE OPTMTRST
	MILLER NORMAN R OD
	MILLER STEVEN A OPTMTRST
34816	YUCAIPA VALLEY REAL ESTATE & PROPERTY MANAGEMENT
34841	KOFDARALI MINI MART III
	KOFDARALI, ROBERT
34844	YUCAIPA SCHWINN
	YUCIAPA BIKE CENTER
34845	ADVANCED PERFORMANCE COMPUTERS
	BETTER HEARING AID SERVICE
	CALIFORNIAN NEWSPAPER
	MURPHY CAROL BUSINESS & INSURANCE SERVICES
	SIDDIQUI K ALI MD
34848	COPPER KETTLE CAFE
	KOPPER KETTLE KAFE & CATERING CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

34848 PAPA ROSAS GOURMET PIZZA
34852 WIENERSCHNITZEL NO 587
34855 OCCUPANT UNKNOWN,
34861 BISHOPS CPT & UPHOLSTERY CLNG & EMER WATER RESTOR
CUSTOM METAL FABRICATION
MOIST REALTORS
SCHULTZ AUTO BODY
34877 CRISIS PREGNANCY CENTER
YUCAIPA PREGNANCY COUNSELING CENTER
34880 GREAT WESTERN FINANCIAL SECURITIES
WASHINGTON MUTUAL BANKING
34885 DEVLIN, CHAD M
PERFECT IMAGES
34895 EBY BEN W DDS
34906 YUCAIPA COIN LAUNDRY
34909 SUBS OF USA
34911 PIONEER PAINT
34919 EAST VALLEY FENCE COMPANY
M & W MOTOR SPORTS
34931 J CS HAWG SHOP
34932 CALIFORNIA STATE OF ASSEMBLY
WESTERN GROUP THE
34952 JACK & DAVES AUTO
34955 DAVIS BARGAIN STORES
34958 G P S SURVEYS CO
GPS SURVEYS COMPANY
34970 ARELLANO, VICTOR
34972 OCCUPANT UNKNOWN,
34974 BLACK JAN P INS
STATE FARM INSURANCE COMPANIES AGENTS
34980 OCCUPANT UNKNOWN,
34982 OCCUPANT UNKNOWN,
34987 ARTWORKS
OCCUPANT UNKNOWN,
34993 OCCUPANT UNKNOWN,
34995 SOLUTIONS SKATE & SNOW
34996 SPIRES AUTOMOTIVE CENTER
35006 COLDWELL BANKER KIVETT TEETERS ASSOCIATES
KIVETT REALTORS INCORPORATED
VALLEY VIEW MORTGAGE
35007 KVS PAINT AND DECORATING CENTER INCORPORATED
35009 DONEGANS
STEVES BARBER SHOP
35011 OCCUPANT UNKNOWN,
35013 MENDOZA, MARCELO T
35018 GREEN VALLEY ESCROW SERVICES INCORPORATED
OCCUPANT UNKNOWN,
35019 BLOOMSBURY WEST
OCCUPANT UNKNOWN,
35025 OCCUPANT UNKNOWN,

YUCAIPA BLVD 2000 (Cont'd)

35026 DITECH
M & L ENTERPRISES
PMT DESIGNS
SIM, WESLEY A
UNIQUE MACHINE & ENGINEERING
35031 JOHNSON, JAMES
35051 VILLAGE ANTIQUES COLLECTIBLES & GIFTS
35057 BIG BOYS TOYS
35058 ABUNDANT LIFE FELLOWSHIP
IGLESIA CRISTO EL RENDENTOR
IGLESIA, CRISTO E
35063 RICKS BARBER SHOP
35064 SET FREE THRIFT STORE
YUCAIPA ANTIQUE MALL
35077 YUCAIPA SHOE REPAIR
35081 SMOKEEN
35085 AMERICAN HOME HEALTH CARE MEDICAL SUPPLY
TOYS & THINGS
35089 SUES SPACE
35096 AUTO VALUE PARTS STORE
OCCUPANT UNKNOWN,
STAR AUTO PARTS
35115 FASHION EXCHANGE THE
35120 FAMILY TIMES MAGAZINE
HAMMOND, CHARLES E
POWERHOUSE GYM & AEROBICS
35131 ARNOLD MICHAEL S ATTORNEY
OCCUPANT UNKNOWN,
35134 LAROSITA DRIVE INN
35139 CHAMBER OF COMMERCE YUCAIPA VALLEY
YUCAIPA MARKET NIGHT
YUCAIPA VALLEY CHAMBER OF COMMERCE
35140 NASH CLEANERS
OCCUPANT UNKNOWN,
35141 LYNCH FLOWER SHOP
35144 HOMETOWN FURNITURE
35145 FRISCHS GIFT MERCANTILE
SHAKLEE DISTRIBUTOR H & L FRISCH INCORPORATED
35151 CHRISTIAN SCIENCE READING ROOM
FIRST CHURCH OF CHRIST SCIENTIST YUCAIPA
35154 NEWS MIRROR
YUCAIPA & CALIMESA NEWS MIRROR
35155 OCCUPANT UNKNOWN,
35158 BOULEVARD SANDWICHES
35165 JUNK BUNKER THE
35168 OCCUPANT UNKNOWN,
TURNERS CARPETS
35182 DEPOT AT LYON STATION THE
LIDBOM SANDRA TAX SERVICE
35191 FLINCHBAUGH, CHARLES

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

35191 OCONNOR LAW CORPORATION
OCONNOR, JOHN P
STRONG RICHARD WILLIAM ATTORNEY
35192 SUNSET MOTEL
35207 AUTO CARE CLINIC
35208 EMMERSON BARTLETT MEMORIAL CHAPEL
35222 CYCLE WERKS
35242 A & W INCOME TAX SERVICE
ALLEN TERRY R
ALLEN, JAMES R
AUDIO VISION RADIO READING SERVICE FOR THE BLIND
GORDON LESLIES HAIRSTYLING
ON DUTY INCORPORATED
SHOPPING SPREE
TEETERS, FRED H
THE BURKLE GROUP
VALLEY MESSENGER THE
35249 CROWN CRAFTERS DENTAL LAB
EMERICH & COMPANY INCORPORATED
HANSBERGER FOR SUPERVISOR
WILDWOOD MOBILE HOME SALES
WILDWOOD PROPERTY MANAGEMENT COMPANY
35256 C F W ENTERPRISES
MILL CREEK COFFEE COMPANY
OCCUPANT UNKNOWN,
YE OLD MILL CREEK COFFEE CO
35258 STATE FARM INSURANCE COMPANIES AGENTS
35261 MARTINEZ, M
35280 TONYS AUTO REPAIR SHOP
35283 DUBOIS, GREGORY P
35289 LANZAMERICA MORTGAGE BANKERS
YUCAIPA WELLNESS CENTER
35295 MYSTIC MIRROR & GLASS
35317 CHANG, BYUNG C
35331 ARREDONDO, ARMANDO
35339 HUFFMAN, H
35342 HARRELL, JESSE R
35344 WALTNER, ALICE
35350 ANDREWS, DEBORAH D
35352 GRANICH, GEORGE S
35356 GRABOWSKI, FRANCES
35358 OCCUPANT UNKNOWN,
35363 OCCUPANT UNKNOWN,
35366 OCCUPANT UNKNOWN,
35369 MASSEY, SHAUNDA
35372 HERRERA, LUCIA
35377 MARLETTE, JOSHUA M
35380 MOGHARRABI, KELLY
35382 OCCUPANT UNKNOWN,
35385 ROACH, JAMES E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 2000 (Cont'd)

35391	OCCUPANT UNKNOWN,
35392	AUTREY, STEVEN R
35412	OCCUPANT UNKNOWN,
35415	NICOLET, LINDA
35424	ESPINO, C
35425	TOWNSEND, RANDALL S
35434	MILLER, RICHARD D
35439	JACKSON, CONNIE
35442	OCCUPANT UNKNOWN,
35445	HOFFMAN, DONALD W
35446	STARICK, MILTON R
35452	SCHUL, DONALD G
35455	BURNETT, DEBORAH
	FOX, CHARLES
	HATHOR, P A
35456	OCCUPANT UNKNOWN,
35460	OCCUPANT UNKNOWN,
35464	OCCUPANT UNKNOWN,
35465	OCCUPANT UNKNOWN,
35472	LAKE, VERNE E
35475	BARRINGTON, ALVIN P
35480	CASSIDY, PATRICA A
35488	APODACA, ROBERT G
35489	STARNES, WADE E
35493	MENDOZA, KATHRYN A
35494	HOLOD, JAMES R
35558	FAUST, LISA M
35592	WRIGHT, JOHN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 1995

12118	OCCUPANT UNKNOWNN
	YUCAIPA AUTO ELECTRIC
12149	STECKEL, JAMES R
12153	OCCUPANT UNKNOWNN
12167	HART, VICKIE
12170	GAUSEMEL, MARIAN L
12181	MORRIS, LARRY C
12193	ATKINSON, JOHN
12194	GUSTIN, NORMA A
12195	OCCUPANT UNKNOWNN
12197	KARSCHNER, TERESA
12213	OCCUPANT UNKNOWNN
12216	HILL, WANDA
12225	OCCUPANT UNKNOWNN
12235	KIRKHAM, CHARLES H
12243	WALKER, THOMAS C
12259	JAFRA, ANN W
	WHITTAM, WARREN D
12262	MCGINN, CHRIS P
12273	SCHWARTZ, JUANITA O
12279	BEROUD, ANDRE
12290	SULENTIC, MILDRED E
12859	TYLER, MAMIE
12867	ONEILL, RICHARD
12875	TUTTLE, WILLIAM
12883	HUGHES, SCOTT D
12929	DENOS, DELBERT
12955	OCCUPANT UNKNOWNN
12975	THOMAS, RONALD R
12977	DUBENSKY, SOFIE C
12978	MCHALE, BETTY N
13000	WICKMAN, KARL A
13001	A 1 HOUSEMOVING CO
	COSTGUARD TRANSPORTATION INC
	FOREMAN, BILL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995

3467	RICHARDSONS 3RD STREET PHARM
31340	PETRO MART INC
31412	CLIFF WHILLHITE YUCAIPA CHVRN
31440	PARTY SHOPPE
31462	ATKINSON, CHARLES JR
	MANASUK, GUY
	NAVARRO, JOSE M
31472	GLASER, TONI
31504	GATEWAY TIRE & SVC
	OCCUPANT UNKNOWNN
31510	COST GUARD CARPETS
	WELLERS DRAPERIES
31512	VISIONS BEAUTY SALON
31516	ARYAFAR, BEHROUZ
	BISH FULL SVC
31558	KNOLL HAVEN ANTIQUES
	OCCUPANT UNKNOWNN
31581	KIVETT SCHOOL OF REAL ESTATE
31582	CRILLY, CARL G
31594	OCCUPANT UNKNOWNN
31604	DESHLERS SPECIALTIES
31608	BETH & CO HAIR STYLING
	CONSERVATORY OF DANCE
	HAIR STYLING BY LARRY
	LA MEXICANA RESTAURANT
	OCCUPANT UNKNOWNN
31614	E & E ORNAMENTAL IRON
	FISHER, RON
31640	ZIMMERMANS FURNITURE SVC
31710	JOES AUTOMATIC TRANSMISSION
31711	PLAY TOYS
31724	C & L CUSTOM DESIGNS
	CAROL OLSON ASSOC
	OLSON, LELAND P
31730	ZIMMERMAN, GIL C
31738	LEJA ENGINEERING
31741	ASSURED MINI STORAGE
	OCCUPANT UNKNOWNN
31776	RICH, WILLIAM
31785	KOGLER, RICHARD
	PRINCE OF PEACE EVANGELICAL
31810	BEVER, SHARON M
	SHEAR HEAVEN
31816	GILMORE, MAXINE
31828	OCCUPANT UNKNOWNN
31838	ADAMS, JIM
31850	HUGHES, LANCE
	MITCHELL, DEBBIE
	URZUA, M
31852	HAIR, DAVID F

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995 (Cont'd)

31862	CONRY, DAN
31880	OCCUPANT UNKNOWNN
31910	B & B MOTORS
	PAULS, WILLIAM
31924	HOFFARTH, WILLIAM
31961	OCCUPANT UNKNOWNN
31967	OCCUPANT UNKNOWNN
31970	DOUBLE EAGLE PUBLISHING
31971	RHODES, GUY E
31981	HOWE, RALPH N
31989	DUNCAN, ROBERT O
32006	BURNS, DAVENA
32050	POPOW, KEN
	ROCHE, BRIAN
32098	MERRILL, DOUGLAS G
32161	YUCAIPA VALLEY VETERINARY HOSP
32209	ESTRADA, C
32233	RODRIGUEZ, JOSE
32237	OCCUPANT UNKNOWNN
32357	VANDEPOPPE, ANGELA
32371	OCCUPANT UNKNOWNN
	VALLEY GUIDANCE CTR
32387	MIRELESS, RICK
32415	LAW PLUMBING CO
	OCCUPANT UNKNOWNN
32487	7 ELEVEN FOOD STORE
32525	AGES SOCO
32645	HUANG, CHIUN
	MORBITZERS BAR B Q
32666	CRAFTON HILLS FIRE STATION
32829	TS BY C
32850	OCCUPANT UNKNOWNN
32881	WIPPERTS MOBILE RV REPAIR
32921	OCCUPANT UNKNOWNN
32971	BIT OF COUNTRY RESTAURANT
32999	A TAYLOR MAID FLORIST
	ARNETTS MARKET
	BEAUTY NAIL SALON
	CANDYS COUNTRY KITCHEN
	CARL SEHEULT DDS
	INLAND MEDIA CORP
	INLAND PHOTOGRAPHY
	J & J MEDICAL SUPPLY
	J & J MEDICAL SVC
	MANNA DONUTS
	MOUNTAIN VIEW CERAMICS
	NEW WORLD CHINESE REST
	OVEREATERS VICTORIOUS INC
	RICHARDSONS MEDICAL SUPPLY
	SEHEULT, CARL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995 (Cont'd)

32999	TYPEWRITER & EQUIPMENT SVC
33000	YUCAIPA HIGH SCHOOL
33002	SIZZLER
33075	BEST PROPERTIES
33076	BECKYS FAMOUS HAMBURGERS
33089	BIG JOHNS
33092	BEST GARAGE DOOR CO
33109	ARIALS HI TECH AUTOMOBILE SVC
33145	NEWSOM REAL ESTATE & INVSTMNT
33193	MONK, PAUL
33261	JUST HAIR
33265	A & W FAMILY RESTAURANT
33299	DEL TACO
33337	MARTINEZ, PHILLIP
33345	YUCAIPA BOARD & CARE
33353	YUCAIPA FEED
33359	RUSSELLS HEATING & AIR COND
33423	URIBE, SAUL
33441	DANIEL, DELORES
	JOHN H DANIEL PLASTERING
33505	CARLS JR RESTAURANT
33527	C D CITY
	DYE, LORENA
	ELITE IMAGES HAIR & NAIL SALON
	FAMILY CHIROPRACTIC CTR
	JOSES MEXICAN FOOD
33561	BIBLE BOOK & GIFT HOUSE
	HARLOWS KITCHEN CONCEPTS
	MR TV VIDEO
	ROUND TABLE PIZZA
	SUBWAY SANDWICHES & SALADS
	YOGURT PUMP
33575	I SMOG & SAVED
	L & L WOODWORKING
	M & M CARPETS
	MIRROR IMAGE DETAILING
	OCCUPANT UNKNOWNN
33595	FBI STATION
	LOVELACE, CLYDE W
33601	RACHALS ART CTR
33629	HUGHES FUNERAL CHAPEL
33649	ELSONS INTERIORS
	REDLANDS FLOORHOUSE
33733	DICK PULSIFER
	FARMERS INSURANCE GROUP
	HERBERT, DAVID M
	MARKSBURY, GREGORY K
	PRUDENTIAL INSURANCE CO
	PULSIFER INSURANCE
	PULSIFER, DICK

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995 (Cont'd)

33733	RICHARD L PARKER DDS
	SPRING MOUNTAIN ESCROW
	TELLEFSON, ROBERT
	YUCAIPA CHIROPRACTIC
	YUCAIPA DENTAL GROUP
33981	CHURCH OF CHRIST
	PANORAMA CHRISTIAN SCHOOL
34017	NEWELL NURSERIES
34045	DON LEE ENROLLED AGENT
	GILLMORE INSURANCE
	LILIENTHAL, HANS H
	MC CLELLAN & WILSON
	YUCAIPA TRAVEL SVC
34055	BOULEVARD MOTEL
34171	SEARS AUTHORIZED CATALOG
34173	RICHARD WOOTEN
34185	OCCUPANT UNKNOWNN
34191	OCCUPANT UNKNOWNN
34203	AYALA, AVUNDIO
34205	CARDOZA, JESSE E
34219	DOMINGUEZ, LISA
34223	GARCIA, DANIEL
34229	CARLS AUTO REPAIR
34253	J & J TEXACO
	OCCUPANT UNKNOWNN
34265	OCCUPANT UNKNOWNN
34269	HELP U SELL
34277	A 1 VACUUM & SEWING MACHINE
34282	COUNTY SERVICE AREA 63
	SAN BERNARDINO BUILDING & SFTY
	SAN BERNARDINO COUNTY POLICE
	SAN BERNARDINO ENVIRONMENTAL
	SAN BERNARDINO SHERIFFS DEPT
	YUCAIPA CITY OFFICES
	YUCAIPA PUBLIC HEALTH
34299	BANC VEST FINANCIAL SVC
34309	COLONIAL CLEANERS
	DAVIDS BASEBALL CARDS
	GEORGE MEYER CO
	MOUNTAIN VIEW REALTY
	STARKEY JEWELERS
34324	FANTASTIC SAMS
	LITTLE CAESARS PIZZA
	PAYLESS SHOE SOURCE
34329	JEANS FLOWER BASKET
34335	YUCAIPA AUTO SUPPLY INC
34355	REDLANDS YUCAIPA RENTALS
34366	HUFF, WILLIAM
	INLAND OFFICE SUPPLY
	MIDTOWN VIDEO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995 (Cont'd)

34373	CLYDES TV
	DEAN E WINES DC
	HALL, ROY
	LAMPLIGHTER
34380	BURGER KING
34381	OCCUPANT UNKNOWNN
34383	PRECISION AUTO PARTS & MACHINE
34389	OCCUPANT UNKNOWNN
34391	OCCUPANT UNKNOWNN
34393	MYSKEWITZ, GREGORY
34395	BOULEVARD OF BEAUTY
	SORENSEN, ELLEN J
34405	REEVES, HOWARD
34409	SPORT SHACK
34420	THRIFTY DRUG STORES
34428	CMC PAPERBACK EXCHANGE
	FARLEY, CAROLL J
	HAWES, THOMAS E
	ISENBERG, ROBERT
	LODOLECE, CHERRY W
	MAIL BOXES ETC
	MINCO, IRA
	MINEO, IRA
	OSBORN, DEMA
	PATTY, JOHN
	PAULS SHOES INC
	PODOLECE, WALTER
	PRIVITT, J E
	PROUD, MICHAEL
	SMITH, JOY C
	TRAUT, WILLIAM
	WIER, ROBERT G
	WONDERFULL, WALLY
34429	J & W SHELL
34432	DOMINOS PIZZA
	PLAZA FAMILY RESTAURANT
	RADIO SHACK
34445	LOIS LAUER REALTY
34447	BARRANTES, JOSE
	BUNDS, FRANK
	CAPPS, CLAUDIA
	CORMIER, A M
	CROMER, KATHRYN
	DAVIS, LAMONT
	FERGUSON, BEN J
	GERMAN, D L
	GWEN, KAY J
	HIDE A WAY MOBILE HOME
	HOSTETTER, OLETA
	LAWLER, PHYLLIS L

YUCAIPA BLVD 1995 (Cont'd)

34447	MANCILLAS, LUZ E
	PICTOR, MARIE
	RIVAS, LUZ
	SAVOY, A
	SLEPPY, LYDIA
	TORRES, MARILYN
	WILLIAMS, R A
	WOODFORD, L
34448	T G & Y STORES CO
34453	ADULT BASIC LEARNING INC
34455	BENEFIEL, CHARLES M
	C M BENEFIEL
	CHUCK BENEFIEL
	GEORGE WILLIAM BEYER CO
34460	STATER BROTHERS MARKETS
34461	JON BEC CARE INC
34463	EDWARD D JONES & CO
	PHOTO PLACE
34470	GOODYEAR COMPLETE AUTO TRUCK
34471	OCCUPANT UNKNOWNN
34473	OCCUPANT UNKNOWNN
34475	ALLSTATE INSURANCE
	ALTERNATIVES PREGNANCY CNSLNG
	AUDIO VISION RADIO READING SVC
	BARNES, LILLIAN
	EAST VALLEY AREA HELATH CNCL
	YUCAIPA CENTER
	YUCAIPA COUNSELING CTR
	YUCAIPA HEADSTART STATE PRSCHL
34479	MULLINS, KAREN
34481	SUN CO
34483	YUCAIPA HEALTH FOODS
34488	CHIEF AUTO PARTS
	CHINESE EXPRESS DONUT HUT
	KIMBERLY HALLMARK
	USA CLEANERS YUCAIPA
34489	CORINNES SMART SHOPPE
34504	JACK IN THE BOX
34523	JIMS WHATTA STEAK
34536	ALVINOS MEXICAN RESTAURANT
34541	KFC
34556	ALL ALARMS KEEP SAFE CO
	RYAN, PAUL
	SECURITY SYSTEMS
34557	GREEN HOUSE
	RANDYS AUTOBODY & PAINT
	RICARDOS GARAGE
	STERLING TIRE CO
34569	HELENS LINE
34579	PIZZA CHALET

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995 (Cont'd)

34585	YUCAIPA CENTER VIDEO
34599	MC MAHANS FURNITURE STORES
34620	MONSON, JERRY
34624	OCCUPANT UNKNOWNN
34630	OCCUPANT UNKNOWNN
34635	CORNET STORES
	OCCUPANT UNKNOWNN
34642	AMMERMAN, DAVID M
	BALLEW, THOMAS
	BERGSTEDT, E M
	BERNAL, MOLLY
	BOWLES, LEONARD E
	BROWN, F
	BUNN, ARCHIE T
	BUTLER, CHARLES W
	COUVEAU, EARL
	DEMPSTER, LORETTA B
	DUFFER, VIRGIL
	GASCA, SARA
	GEORGE, DAVID
	GUTIERREZ, HENRY
	HANSEN, FRANK
	HENDERSON, DONNA
	HENDRIX, RONALD
	HENRICKS, TIMOTHY
	HITCHING POST MOBILE HOME PARK
	HUGHES, C L
	HUNN, W E
	IVANUSIC, STEVE
	JOHNSON, PAUL B
	KEEFE, DAVID
	LEE, B B
	LEE, ELI
	LITTLEFIELD, ALVIN A
	LOFTIS, ROBERT
	LOYA, DONNA J
	MANER, B
	MOTTS, R
	RICHMOND, VERNOR
	SHIPERS, LARRY
	SMITH, JUANITA
	SULLIVAN, WESLEY
	THOMPSON, WILLIAM H
	VANGILDER, FRANK
	WEST, RUBY J
	WILLIS, GENEVA S
34643	OCCUPANT UNKNOWNN
34657	JUDGE, JOHN
	MR CRUMS DO NUTS
34675	BETTER HEARING AID SVC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1995 (Cont'd)

34675	DEEPAK K RAJPOOT MD
	EAST VALLEY CHARLEE
	JAMES E CARTER II MD
	JOE TEICHGRAEBER MD
	JORGE R MAZLUMIAN MD
	KHWAJA A SIDDIQUI MD
	LAUDENSLAGER, ERIC
	MARY M MAILANDER MD
	PEDIATRIC MEDICAL GROUP
	PRAFUL C SHAH MD
	RICHARDSONS 3RD STREET PHRMCY
	YUCAIPA PHYSICAL THERAPY
34696	THRIFTY OIL CO
34712	YUCAIPA CAR WASH & AUTO CTR
34724	AIRE RITE HEATING & AIR COND
34784	FIRST BAPTIST CHURCH
	YUCAIPA CHRISTIAN PRE SCHOOL
34789	BEST LUMBER TRUE VALUE HDWR
34795	KWIK LUBE
34816	YUCAIPA VALLEY REAL ESTATE
34838	YUCAIPA BIKE CTR
34840	NEW CONCEPT BRIDAL BOUTIQUE
34841	RAYS ARCO
34842	K & P CRAFTS
34844	HEARTHSIDE
34845	CALIFORNIA NEWSPAPER
	EDDIE HARRISON DC
	GARCIA, CARLOS S
	GARCIAS INVESTMENT PROPERTIES
	GOLDEN STATE MOBILE HOME SVC
	HARRISON CHIROPRACTIC CTR
	TEETERS CONSTRUCTION CO
	VALLEY MESSENGER
34848	U S BUSINESS SPECIALTIES
34855	HARWOOD, ROGER
34861	BISHOPS CARPET & UPHOLSTERY
	BOB WALKERS SIGNWORKS
	CUSTOM METAL FAB
	HANS ENTERPRISES
	SCHULTZ AUTO BODY
34877	TRAYER & ASSOC
34880	GREAT WESTERN BANK
34885	CRISIS PREGNANCY CTR
34895	BEN W EBY DDS
	EBY, BEN W
34906	TOM SHALHOUBS SERVICENTER
34911	OCCUPANT UNKNOWNN
	PIONEER PAINT
34919	DAVES UPHOLSTERY
34931	STRONG, JOHN

YUCAIPA BLVD 1995 (Cont'd)

34932	ADANK, KERRI
	DELGADO, JOSE
	YUCAIPA PARKS & RECREATION
34942	SWISS WATCHMAKER CLOCK & WATCH
34952	JACK & DAVES AUTO
34955	DAVIS BARGAIN STORES
34958	OCCUPANT UNKNOWNN
34968	OCCUPANT UNKNOWNN
34970	MONTIEL, SERAFIN
34972	OCCUPANT UNKNOWNN
34974	BLACK, JAN P
	STATE FARM INSURANCE
34982	DELGADO, MARIA
34984	OCCUPANT UNKNOWNN
34993	KOPPER KETTLE KAFE
34996	KATZMAN, SONNY
	SONNYS RADIATOR SALES & SVC
35006	KIVETT TEETERS ASSOC
35007	K VS PAINT & DECORATING CTR
	OCCUPANT UNKNOWNN
35009	ORVS BARBER SHOP
35010	OCCUPANT UNKNOWNN
35011	AGUILERA, OLIVIA L
35013	OCCUPANT UNKNOWNN
35018	GREEN VALLEY ESCROW SVC INC
35025	VOLLANDT, BETTY
35026	DITECH
	KIRBY SALES & SVC
	MCALL, HOWARD
	RONDA, RICHARD
35031	LEEDOM, LARRY
35039	REDLANDS MATTRESS & UPHOLSTERY
35051	YOUNG, GREG
35058	ABUNDANT LIFE FELLOWSHIP
	FEED & TACK CLUB
35067	HAMRICKS TV SVC
35077	CRYSTAL NAILS
	KUNG, FU S
	R C 99 CENT STORE
35081	U S MEX VIDEO
35095	YUCAIPA SHOE REPAIR
35096	N G & ASSOC M & M
35107	KIDS STUFF
35119	NATURAL 10 NAIL & BEAUTY SALON
	OPDYKE, DAVINA M
35131	MICHAEL S ARNOLD
35134	LA ROSITA DRIVE INN
35139	BURIANS PHOTO CTR
35140	NASH CLEANERS
35141	LYNCH FLOWER SHOP

YUCAIPA BLVD 1995 (Cont'd)

35144 CHAMBER OF COMMERCE
35145 FRISCHS GIFT MERCANTILE
H L FRISCH SHAKLEE DISTR
35151 CHRISTIAN SCIENCE READING ROOM
35153 CLASSIC HAIRSTYLING
35154 NEWS MIRROR
35157 MICHAELS MANE ATTRACTION
OCCUPANT UNKNOWNN
35158 ENGLISH, PATRICK H
35163 LADDS BOOK STORE
35168 THOMAS CARPETS
TURNER, LARRY M
TURNERS FINE CARPETS
35181 HEFT OFFICE SUPPLY CO
35182 H & R BLOCK INC
JOAN WALLACE
WALLACE, JOAN
35191 BARNARD, JOHN
OCONNOR, JOHN P
RICHARD W STRONG
35192 SUNSET MOTEL
35207 AUTO CARE CLINIC
35208 EMMERSON BARTLETT MORTUARIES
35222 OCCUPANT UNKNOWNN
35242 GORDON LESLIES HAIRSTYLING
KIRKLEY DEVELOPMENT
OCCUPANT UNKNOWNN
35249 WILDWOOD PROPERTY MANAGEMENT
WILDWOOD REALTY
35256 DANIEL P REEVES
OCCUPANT UNKNOWNN
35258 COLEMAN, ROBIN B
STATE FARM INSURANCE
35268 CARR, EDWINA M
35280 TONYS AUTO REPAIR SHOP
35295 ARCHITECTURAL DOOR & WINDOW
MYSTIC MIRROR & GLASS
35331 SCHULTZ, JANET
35339 HUFFMAN, HUGHIE
35342 BERMUDEZ, VIRGIE
35344 WALTNER, ALICE
35350 WHITE, ELEEN
35352 GRANICH, GEORGE S
35356 COE, JIM
35358 ALLENSWORTH, HENRY
35363 OCCUPANT UNKNOWNN
35364 OCCUPANT UNKNOWNN
35366 SWANSON, EVELYN E
35372 MARTINDALE, GLADYES
35374 DYRLAND, MAXINE K

YUCAIPA BLVD 1995 (Cont'd)

35377 CHAPMAN, PAT
35380 BENNETT, VIVIAN W
35382 PULCINI, PATRICK
35385 ROACH, JAMES E
35391 OCCUPANT UNKNOWNN
35392 SPENCER, DAVE
35412 OCCUPANT UNKNOWNN
35415 NICOLET, LINDA
35422 ESPINO, RAUL
35424 ESPINO, C
35425 OCCUPANT UNKNOWNN
35434 NAGRO, THOMAS JR
35439 JACKSON, ROY D
35442 OCCUPANT UNKNOWNN
35445 OCCUPANT UNKNOWNN
35446 STARICK, M R
35452 BASHAM, L G
35455 BERNAL, ALFREDO
35456 OCCUPANT UNKNOWNN
35460 OCCUPANT UNKNOWNN
35465 OCCUPANT UNKNOWNN
35472 LAKE, VERNE E
35475 PURDUM, WILLARD
35480 NEWBY, PAUL W
35488 OCCUPANT UNKNOWNN
35489 STARNESS, WADE
35494 HOLOD, JAMES R
35558 BRAMLETT, FLO
35592 WRIGHT, JOHN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

11TH ST 1992

12118	YUCAIPA AUTO ELEC
12137	PAC AIR HANDLERS
12153	KIDD&CLAYTON
12181	MORRIS, LARRY C
12193	CLINE, FRANK
12194	GUSTIN, NORMA A
12225	KIRKHAM, CHARLES H
12243	WALKER, THOMAS C
12259	WHITTAM, WARREN D
12262	MCGINN, C P
12859	BAGNASCO, J
12867	ONEILL, RICHARD
12875	TUTTLE, WILLIAM
12929	DENOS, DELBERT
12955	ARENDT, KENNETH
12975	THOMAS, RONALD R
13000	WICKMAN, KARL A
13001	A 1 HOUSEMOVING CO
	COSTGUARD TRANS INC
	FOREMAN, BILL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992

31340	YUCAIPA AM PM MART
31412	YUCAIPA CHEVRON
31440	PARTY SHOPPE THE
31462	ATKINSON, CHARLES JR
	CROWNOVER, MICHAEL
	GOULD, RAMONA S
31472	LOPEZ, G
31504	GATEWAY TIRE&SERV
31510	COST GUARD CARPETS
31512	VISIONS BEAUTY SLN
31516	BISH FULL SERVICE
31558	KNOLL HAVEN ANTQS
31594	CRILLY, B E
31604	DESHLERS SPECIALTS
31608	ACTION GRAPHICS
	BETH&CO HAIR STYLNG
	CONSERVTRY OF DANCE
	HAIR STYLING LARRY
	LA MEXICANA RSTRNT
31614	E&E ORNAMENTAL IRON
	FISHER, RON
31640	ZIMMERMANS FURN SV
31710	JOES AUTOMTC TRANS
31711	PLAY TOYS
31724	C&L CUSTOM DESIGNS
	OLSON CAROL ASSOCTS
31730	ZIMMERMAN, G C
31738	LEJA ENGINEERING
31741	ASSURED MINI STRG
31785	KOGLER, RICHARD
	PRINCE OF PEACE CH
31810	SHEAR HEAVEN
31816	GILMORE, MAXINE
31828	BURFORD, WALDO
31838	ADAMS BOOKKEEPING
	ADAMS, JIM
31850	HUGHES, LANCE
	JANE, LEIGH
	NEWMAN, RONALD
	TAYLOR, IRENE
31862	STEELE, PAUL
31910	PAULS, WILLIAM
31924	HOFFARTH, WILLIAM
31981	HOWE, RALPH N
31989	DUNCAN, ROBERT O
32050	POPOW, KEN
	ROCHE, BRIAN
32082	KING, RYAN
32161	YUCAIPA VLY VETRNRY
32357	HOBSON, ELTON J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992 (Cont'd)

32371	REDLND YUC GUIDANCE
32423	HYDRO CREATIONS
32487	SEVEN 11 FOOD 17814
32525	SOCO
32645	HUANG, CHIUN
	MORBITZERS BAR B Q
32666	SN BDO CO FIRE DEPT
32807	CRYSON, THOMAS
32829	A L L B C O
	TS BY C
32881	HESTONS CMPR SUPPLY
32971	BIT OF CNTRY RSTRNT
32999	ALICES DINER
	ARNETTS MARKET
	BALLOON EXPRESS
	BIBLE BOOK&GIFT HSE
	CANDYS COUNTRY KTCH
	COPELAND BILL SIGNS
	ESPINOSA INC D P
	INLAND MEDIA CORP
	J&J MEDICAL SERVICE
	KISER REALTY
	MINNIEAR BILL INS
	MOUNTAIN VW CRMCS
	NAILS ETC
	SEHEULT CARL DDS
	SEHEULT, CARL
	TAYLOR MAID FLORIST
	TROPHY STORE THE
	UNCLE RAYS DONUTS
33000	MCMICHAEL, FRANK J
	YUCAIPA HIGH SCHOOL
33002	SIZZLER STEAK 0030
33075	CENTURY 21 BATSON
33076	SARANTOPOULOS, MICHAEL
33089	BIG JOHNS
33109	ARIALS HI TECH AUTO
33165	LOUIS GIANNNI PPLNE
33193	MONK, PAUL
33261	JUST HAIR
33265	A&W ROOT BEER
33299	NAUGLES
33345	YUCAIPA BOARD&CARE
33353	YUCAIPA FEED
33359	RUSSELLS HTG&AIR
33423	URIBE, SAUL
33441	DANIEL JOHN H PLSTR
	DANIEL, DELORES E
33527	ELITE IMAGES HAIR
	FAMILY CHIROPRACTIC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992 (Cont'd)

33527 SHEDD, BRIAN C
33561 CIRCLE K FOOD 5071
JOSES MEXICAN FOOD
MR TV VIDEO
ROUND TABLE PIZZA
SUBWAY SANDWICHES
YOGURT PUMP
33575 ELAINE EDWRDS INTRS
M&M CARPETS
MIRROR IMAGE DETLNG
33595 F B I STATION THE
LOVELACE, CLYDE W
33601 RACHALS ART CENTER
33629 HUGHES FUNERAL CHPL
33649 ELSONS INTERIORS
33733 ARROWHEAD CAPITAL
C OF C YUCAIPA VLY
DEANGELIS ROBIN INS
MARKSBURY BKKPNG&TX
PARKER RICHARD DDS
PRUDENTIAL REALTORS
PULSIFER DICK
SPRING MTN ESCROW
TELLEFSON ROBT INS
YUCAIPA CHIROPRCTC
33981 CHURCH OF CHRIST
PANORAMA CHRISTN SC
34017 NEWELL NURSERIES
34045 GILLMORE INS AGNCY
LEE DON ENRLLD AGNT
MCKNIGHT J W ATTYS
YUCAIPA TRAVEL SERV
34077 JOHNSON MOTORS
34171 BRIESES SCHWINN CTR
34173 WOOTEN, RICHARD
34185 B&K BASBLL COLLCTBL
34219 WALTERS, BRIAN
34223 GARCIA, DANIEL
34229 CARLS AUTO REPAIR
34253 J&J TEXACO
34265 MCMANIS, E
34267 ALERT PRTCTN SYSTMS
34269 HELP U SELL
M G M MORTGAGE
34277 A 1 VACUUM&SWG MACH
34282 SHERIFFS DEPT
SN BDO CO BLDG&SFTY
YUCAIPA CITY HALL
34299 BANCVEST FNCL SERV
COMNTY BANK

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992 (Cont'd)

34309	CENTURY 21 FORECAST
	HALLMARK CLEANERS
	MEYER GEO CO
	STARKEY JEWELERS
	YUCAIPA DOG GROOMNG
34324	FANTASTIC SAMS
	LITTLE CAESARS PZZA
	PAYLESS SHOE SOURCE
34329	FLOWER BASKET
34335	YUCAIPA AUTO SUPPLY
34355	U HAUL CO
	YUCAIPA RDLNDS RNTL
34366	EARTH WND&FRE FSHNS
	MIDTOWN VIDEO
	UNIQUE HOME FRNSHND
34373	THE LAMPLIGHTER
	WINES DEAN E DC
	WINES, DEAN E
34380	BURGER KING
34383	PRECISION AUTO PRTS
34395	MANE ATTRACTION THE
34405	REEVES, HONARD
34409	SPORT SHACK
34420	THRIFTY DRUG INFO
34428	C M C PAPERBCK EXCH
	PAULS SHOES INC
	SUNCREST ESCROW
34429	J&W SHELL SERVICE
34432	CHRISTENSENS BAKERY
	MR TS ROYAL REST
34445	LOIS LAUER REALTY
34447	BARRANTES, JOSE
	DODY, TERRA
	FEDOR, BERNARD
	GERMAN, D L
	HIDE A WAY MBL HM
	HOSTETTER, OLETA
	JAGT, H M
	MONTOYA, P
	TORRES, MARILYN
34448	T G&Y STORES CO
34451	BEAUTY NAIL SALON
34452	RADIO SHACK
34453	ADULT BASIC LEARN
34455	BENEFIEL, C M
	BEYER, GEORGE W
	G W B CO
34460	STATER BROS MARKETS
34463	PHOTO PLACE
	WOODARD STEVE OFC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992 (Cont'd)

34470	GOODYEAR TIRE CNTR
34471	ELLENS BLVD BEAUTY
34473	ROGERS FMLY BIKE CT
34475	ALLSTATE INS SALES
	FOUNDATION BLIND
	LARSON, DOUGLAS
	ROGERS CHRISTY MFCC
	ROGERS, CHRISTY L
	YUCAIPA CENTER
34479	YUCAIPA VLY RL EST
34481	SUN THE
34483	YUCAIPA HLTH FOODS
34488	CHIEF AUTO PARTS
	CHINESE DONUT HUT
	HALLMARK K CARD&GFT
	PAC VIDEO EXPRESS
	USA CLNR YUCAIPA
34489	CORINNES SMART SH
34504	JACK IN THE BOX 169
34523	JIMS WHATTA STEAK
34536	ALVINOS MEX REST 2
34541	KENTUCKY FRIED CHKN
34544	UNION FED SAVNGS BK
34556	ALL ALARMS KEEP SFE
	KEEP SAFE&SECRTY CO
34557	GREEN HOUSE
	RANDYS AUTOBODY&PNT
	RICARDOS GARAGE
	STERLING TIRE CO
34569	HELENS LINE
34579	PIZZA CHALET
34580	REDLND FED SAVINGS
34585	YUCAIPA CENTER VDO
34599	MCMAHANS FURN STRS
34610	LIQUOR BASKET CORP
34635	CORNET STORES 38
34642	BASHAM, PAUL A
	BERGSTEDT, E M
	BUNN, ARCHIE T
	BURNS, LESLIE
	COCHRAN, HAROLD K
	DICK, CHARLES
	GASCA, J P
	GILLESPIE, M
	HALFACRE, DOROTHY
	HITCHING PST MBL HM
	HOWARD, ETHEL
	HUGGINS, C L
	IVANUSIC, STEVE
	JOHNSON, PAUL B

YUCAIPA BLVD 1992 (Cont'd)

34642	KECSKES, E
	KIELPINSKI, ALEX
	LITTLEFIELD, ALVIN A
	MCARTHUR, JAMES A
	MURRAY, ROBERT
	SHIPERS, LARRY
	THOMAS, BERTHA
	WEST, RUBY J
34657	JUDGE, JOHN
	MR CRUMS DONUTS
34669	MAZLUMIAN J R MD
34675	CARTER JAS E 2D MD
	SIDDIQUI KHWAJA MD
	SPAHN WM M MD
	TAN STANLEY A MD
	TEICHGRAEBER JOE MD
	THIRD STREET PHAR
	YUCAIPA PHYS THRPY
34696	THRIFTY OIL CO
34712	LES SERVICE
	YUCAIPA CAR WASH
34717	BANK AM LOAN INFO
34724	G H Q SPORTS PRDCTS
34784	FIRST BAPT CH YUCPA
34789	BEST LUMBER
34795	KWIK LUBE
34806	MILLER NORMAN R DR
34816	DIET CENTER
34838	MERLE NORMAN COSMTC
34840	NEW CNCPT BRIDL BTQ
34841	JERRYS ARCO
34842	K&P CRAFTS
34844	HEARTHSIDE THE
34845	COUNTRY FAIRE DOLLS
	GOLDEN ST MOBILE HM
	HARRISON CHIRO CNTR
	JOSEPH R J INS AGCY
	TEETERS CONSTR CO
	VALLEY MSNGR NWSPPR
34848	U S BUSINESS SPCLTY
34859	WALL, LESLIE
34861	BISHOPS CARPET CLNR
	CUSTOM METAL FBRCTN
	K&K MOTORS
	SCHULTZ AUTO BODY
34877	TRAYER&ASSOCIATES
34895	EBY BEN W DDS
34906	TOM SHALHOUBS SERV
34911	GARCIAS INVST PROP
34919	DIAL A RIDE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992 (Cont'd)

34919	PIONEER PAINT
34931	EMPIRE GLASS&SCREEN
34932	ROUSE, JIM
	SIGLER, JASON
	YUCAIPA CTY PKS&REC
34942	SWISS WATCHMKR CLCK
34952	JACK&DAVES AUTO
34955	DAVIS BARGAIN STRS
34968	HAPPY COBBLER THE
34970	KUEHL, KEVIN
34972	CORRIGAN, RANDY
34974	AMER DINNER BELL CO
	STATE FARM INS AGNT
34993	KOPPER KETTLE KAFE
34995	CA HAIR
34996	SONNYS RADIATOR
35006	COLDWELL BANKER
35007	PAXTONS PAINT&DECOR
35009	ORVS BARBER SHOP
35018	GREEN VLY ESCROW SV
35019	ELLIES ATTIC
35026	DITECH
	KIRBY AUTHRZD SALES
	RONDA, RICHARD
35031	LEEDOM, LARRY
35034	V O I C E
35039	REDLND MATTRSS
35051	FANFARE MUSIC
	GARYS MUSC CNTR RPR
35057	APPLIANCE SERV CNTR
35058	ABUNDANT LIFE FLWSP
	FEED&TACK CLUB THE
35067	HAMRICKS TV SERV
35081	1 DOLLAR&LESS
35085	CRANE CRFT CSTM JWL
35089	LILLI ANS TWN&CNTRY
35095	YUCAIPA SHOE REPAIR
35096	M&M FOODMART
35115	YUCAIPA VLY CHURCH
35119	NATURAL 10 NAIL&BTY
35120	SECURITY PAC OFC
35131	ARNOLD MICHAEL ATTY
35134	LA ROSITA DRIVE INN
35139	BURIANS PHOTO CNTR
35140	NASH CLEANERS
35141	LYNCH FLOWER SHOP
35144	PAC FIRST BANK FSB
35145	FRISCH H L SHAKLEE
35151	CHRISTIAN SCN CH
35153	CLASSIC HAIRSTYLING

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

YUCAIPA BLVD 1992 (Cont'd)

35154	YUCAIPA&CALIMSA NWS
35158	DOMINOS PIZZA
35163	LADDS BOOK STORE
35165	RHONDA HARPS CRPTS
35167	JUNK BUNKER THE
35168	TURNERS CARPETS
35181	INLAND OFFICE SPLY
35182	BLOCK H&R
35191	OCONNOR JOHN P
	OCONNOR, JOHN P
	STRONG, RICHARD W
35192	SUNSET MOTEL
35207	AUTO CARE CLINIC
35208	EMMERSON BARTLETT
35222	HALL, DAVID
35242	CRAMPTON SIGNS
	EAST VLY CHARLEE
	GORDON L HAIRSTYLNG
	HARDESTY FNCL SERV
	KIRKLEY DEVELOPMENT
35249	MOIST REALTY
35256	REEVES DANIEL P LAW
	STARNESS, GEORGE H JR
	STARR GEO H JR ATTY
35258	COLEMAN, ROBIN B
	STATE FARM INS AGNT
35268	CARR, EDWINA M
35280	TONYS AUTO REPAIR
35295	MYSTIC MIRROR&GLASS
35339	HUFFMAN, HUGHIE
35342	JUSKIEWICZ, LEO
35350	WHITE, ELEEN
35352	GRANICH, GEORGE S
35356	COE, JIM
35372	MARTINDALE, GLADYES
35380	BENNETT, VIVIAN W
35385	ROACH, JAMES E
35425	BISE, ELMER O
35434	NORRELL, T
35439	JACKSON, ROY D
35446	STARICK, M R
35452	BASHAM, L G
35455	VEGA, TEOFILO
35456	SCHUL, DONALD
35472	SUTHERLAND, WADE H
35480	NEWBY, PAUL W
35488	RAYMOND, A E
35489	STAPP, BOBBY L
35592	WRIGHT, JOHN
314721	HAMPTON, SCOTT

YUCAIPA BLVD 1992 (Cont'd)

337335 MARKSBURY, GREGORY K
337337 HERBERT, DAVID M
PULSIFER, DICK
344476 DIGANGI, JOSEPH
346422 HENDRIX, RONALD
354551 HENDERSON, F
354554 JENSEN, JAMES
354557 ANDERSON, ARTHUR
3418512 WHITMAN, D L
3444730 WOODFORD, L
3444733 CORMIER, ALICE M
3444735 HOLLIS, DAVID
3444736 SAVOY, A
3444738 BALLEW, CHARLES
3444744 FERGUSON, BEN J
3444745 PITMAN, G C
3444753 SLEPPY, LYDIA
3464210 HUNN, W E
3464229 BECKETT, DALE
3464231 BERNAL, MOLLY
3464250 SMELTZ, O J
3464253 ASAM, JOHANNA
3464261 DEMPSTER, LORETTA B
3464266 RICHMOND, VERNOR
3464274 REDLINGER, WILLIAM R
3464280 MCCAIN, T L
3464284 DUFFER, VIRGIL
3464292 DUCLOS, ARTHUR
3464293 HUGHES, MARTHA
3464294 LEE, B B
LEE, ELI
3464299 WADE, CORRINE
3495812 FOSTER, ANGIE
34642102 VANGILDER, FRANK
34642103 THOMPSON, WILLIAM H
34642105 LITTLETON, A M
34642109 MANER, B

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

11TH ST 1986

11TH 92399 YUCAIPA

12116	YUCAIPA AUTO ELEC	790-1835	0
12153	DEAN ROOFING CO	797-0055	
12167	XXXX	00	
12181	MORRIS LARRY C	797-9395	
12193	CLINE FRANK	797-2685	1
12194	GUSTIN N A	797-3603	+6
	MOORE S M	797-1920	+8
12195	FORRESTER JAS	797-2787	+6
	FORRESTER SANDRA	797-2787	+8
12197	SPANO NINA	797-3067	0
12213	URIBES THOS	797-3575	
12216	XXXX	00	
12225	KIRKHAM CHAS H	797-7122	8
12227	ROCHA M	797-7878	8
12243	WALKER THOS C	797-2398	
12259	WHITTAM WARREN D	797-9346	
12262	MCGINN CHRISTOPHER	797-4989	8
12273	LONG JAS D	790-2861	5
12279	XXXX	00	
12290	XXXX	00	
12929	DENOS DELBERT	795-1682	
12955	ARENDT KENNETH	795-6224	2
12958	KREIDER ROBT G	795-3684	9
12975	THOMAS RONALD R	795-3879	
12978	XXXX	00	
13000	WICKMAN KARL A	795-4447	
13001	FOREMAN BILL	795-5095	4
	FOREMAN D L	795-6252	

★ 2 BUS 26 RES 4 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YUCAIPA BLVD 1986

32471	XXXX	00	
32487	SEVEN 11 FD 017614	797-6465	7
32525	EXXON SERVICE STN	797-6005	
	U HAUL CO	797-5027	5
32645	MORBITZERS BAR B Q	797-2080	
32666	SN BDO CO FRSTRY	797-2313	4
32693	XXXX	00	
32711	FORD JAS W	797-5315	
32807	INDSTRL FABRICATORS	797-3616	5
	PANASOVICH GEO A	797-1086	+6
32829	JOYS BEAUTY SALOON	790-1714	2
A	STARR GEO H JR	797-2400	4
32881	HESTONS CMPR SUPPLY	797-3619	1
32895	LINES AUTO BODY	797-3550	0
32917	VALLEY INN	797-9975	9
32921	XXXX	00	
32945	XXXX	00	
32997	XXXX	00	
32999	BUILDING		
	ALICES DINER	797-1077	5
	CYOLE NEVA	790-1968	+6
	EAR BRSTD CHKN&DELI	797-0830	+6
	ESPINOSA INC D P	790-2986	5
	LACEYS HAIR&NAILS	797-8068	+6
	LEJA ENGINEERING	797-1744	+6
	LIQUOR CABINET	790-1234	1
	LUTHERAN BRAILLE	790-2901	+6
	MENEFEE LEE CONSTR	797-3208	5
	MINNIEAR BILL INS	797-1888	+6
	OVEREATERS VICTRS	790-1968	+6
	SEVEL DAVE REALTY	797-0141	0
	TAYLOR MAID FLORIST	797-7374	+6
	TEXEIRA STEVE INS	790-2822	+8
	TROPHY STORE THE	797-9090	+6
	UNCLE RAYS INC	797-5301	1
32999			
33000	YUCAIPA HI SCHL	797-0106	
	YUCAIPA HIGH SCHOOL	797-0106	3
33002	SIZZLER STEAK COOD	797-2944	0
33047	XXXX	00	
33063	A SUN ELECTRIC	797-5095	0
	SUN ELECTRIC	797-5095	7
	WILHELM ROB A	797-5095	8
33075	BATSON PETTER	797-9121	5
	CENTURY 21 BATSON	797-9121	5
33076	ALVINOS MXCN REST 2	797-0406	0
33089	LAMP POST PIZZA	790-1955	3
33092	HARVESTER THE	790-1591	5
33100	XXXX	00	
33109	A YUCAIPA AUTO PRTS	797-5111	+6
	WHOLESALE AUTO PRTS	797-5111	0
33145	KUYKENDALL A M	797-3877	
33155	BOWLES CONSTRUCTION	797-7236	5
	D BOWLES	797-2635	5
	DAVID BOWLES	797-7235	5
33165	XXXX	00	
33193	MONK PAUL	797-7564	0
33233	HARDWICKS FROZEN FD	797-0520	
33245	XXXX	00	
33261	XXXX	00	
33263	XXXX	00	
33265	A&W ROOT BEER	797-6016	
33267	XXXX	00	
33269	XXXX	00	
33271	SOUSA ANGELO	797-6306	
33299	NAUGLES	797-9800	4
33345	ASPE ZENY A	797-4960	5
	FISHER ELIZABETH	797-9524	5
33353	YUCAIPA FEED	797-2639	8
33359	RUSSELLS HTG&AIR	797-5669	5
33423	URIBE SAUL	797-2221	4
33441	DANIEL D	790-1016	5
	DANIEL JOHN N PLSTR	790-2712	5
33459	XXXX	00	
33477	XXXX	00	
33468	XXXX	00	
33527	MAYES JEAN S	797-6812	+6
33561	XXXX	00	
33595	F B I STATION THE	797-0407	3
A	LOVELACE CLYDE W	797-3380	
33601	CAMPBELL GEO E	797-5945	7
33629	HUGHES FUNERAL CHPL	797-1134	
	KHARNS GENE	797-9505	
33649	DAN ELSON INTERIORS	797-3095	+6
	ELSONS INTERIORS	797-9161	+6
	SUN CONTROL PRODUCT	797-9161	2
33733	BUILDING		
	BEGLAU DON L DDS	797-2408	9
	CALICO OUTHOUSE	790-1423	3
	COPELAND BILL SIGNS	797-8317	2
	DE ANGELIS R INS	797-6052	5
	HOWES FOR LIVING	797-9171	6
3	JUST HAIR	797-8966	9
5	MARKSBURY BKKPNG&TX	797-1587	1
2	MARLENES FASHIONS	790-1230	1
	MILLER REALTORS	797-9171	8
	PARKER RICHARD DDS	797-2408	9
	PULSIFER DICK	797-4447	3
	PULSIFER INSURANCE	797-4447	
	RACHALS ART CENTER	797-6184	3
	SCHRUNK TERRY R DDS	797-2408	+6
	SHEARSON AM EXPRESS	797-0131	3
	YUCAIPA DENTAL GRP	797-2408	9
33733			

/ER EXCEPT AS AUTHORIZED IN WRITING BY HAINES

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

11TH ST 1980

11TH 92399 YUCAIPA

12118★	**YUCAIPA AUTO ELCTRC**	**790-1835**	**+0**
12153★	**DEAN ROOFING CO**	**797-0055**	
12167	TRAMBLEY RICHARD W	797-9009	7
12181	MORRIS LARRY C	797-9395	
12193	XXXX	00	
12194	DUEHNING KIRK	797-4872	8
	GUSTIN LEONARD R	797-3603	
	HEWITT VAN R	797-6935	5
12195	BRAUNER K	797-3490	7
12197	MCGEE HARLEY C	797-2742	8
	SPANO NINA	797-3067	+0
12213	URIBES THOS	797-3575	4
12216	XXXX	00	
12225	KIRKHAM CHAS H	797-7122	8
12227	ROCHA M	797-7878	8
12243	WALKER THOS C	797-2398	5
12259	WHITTAM WARREN D	797-9346	
12262	MCGINN CHRISTOPHER	797-4989	8
12273	JAKUBCZAK BRUCE	797-3874	8
12279	DEVITT DAVID E	797-4569	6
12290	ANDERSON DAVID	797-6945	8
12929	DENOS DELBERT	795-1682	4
12955	XXXX	00	
12956	KREIDER ROBT G	795-3684	9
12975	THOMAS RONALD R	795-3879	5
12978	CARSON DAN	795-1162	8
13000	WICKMAN KARL A	795-4447	4

ORMATION ON THIS PAGE MAY NOT BE KEYPUNCHED.

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

11TH ST 1980

..11TH 92399 CONT..

ZYLMAN TED 795-2862 +0

13001 FOREMAN D L 795-6252 6

★ 2 BUS 27 RES 3 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YUCAIPA BLVD 1980

32423	XXXX	00
32487★	SEVEN 11 FD 17814	797-6465
32525★	BRIANS EXXON SV	797-6005
★	EXXON SERVICE STN	797-6005
★	U HAUL CO DEALER	797-1352
32645★	MORBITZERS BAR B Q	797-2080
	MUNDAY JIMMIE	797-4142
32666★	CALIF ST FORESTRY	797-2313
32693	XXXX	00
32711	FORD JAS W	797-5315
32807	XXXX	00
32829★	HESTONS CMPR SPL&SV	797-3819
32895★	BLAKELEY CO	797-3550
★	LINES AUTO BODY	797-3550
32917★	VALLEY INN	797-9975
32921	XXXX	00
32945	XXXX	00
32997	XXXX	00
32999.....	BUILDING	
★	BROASTED CHICKEN	797-0830
★	FLOORS N MORE	797-5749
★	GOLDEN GOOSE GOURMT	797-1169
★	JOHNNIES CHICKEN	797-0830
★	K JS RECORDS&TAPES	797-5274
★	KARENS KLOSET	797-5655
★	KOKES POP SHOP	797-1549
★	LUTHRN BRAILLE WRKR	797-3093
★	SEVEL DAVE REALTY	797-0141
★	SPORTS LOCKER YUC	797-5231
	SUNDAE SCHOOL	797-5022
★	SUNDAE SCHOOL	797-5301
★	YUCAIPA SPORTS LCKR	797-5231
32999.....		
33000★	YUCAIPA HIGH SCHOOL	797-0106
33002★	SIZZLER STK HS 30	797-2944
33047	XXXX	00
33063★	A SUN ELECTRIC	797-5095
★	SUN ELECTRIC	797-5095
	WILHELM ROBT A	797-5095
33075★	ALLSTATE REALTORS	797-9121
33076★	ALVINOS GUADALAJARA	797-0406
33089★	COACHES CORNER	797-1255
33092★	DONS APPLIANCE SERV	797-4415
33100	MILEHAM RICHARD	797-4541
33109★	WHOLESALE AUTO PRTS	797-5111
33145	KUYKENDALL D A	797-3877
33155	MALDONADO MIGUEL	797-6875
33165	XXXX	00
33193	MONK PAUL	797-7564
33233★	HARDWICKS FRZN FOOD	797-0520
33245	XXXX	00
33261★	SUNRISE GENERAL STR	797-5800
33263	XXXX	00
33265★	A&W ROOT BEER	797-6018
33267	MORENO PETE	790-1154
33269	FONTES MANUEL	797-3482
33271	SOUSA ANGELO	797-6306
33299	XXXX	00
33345★	YUCAIPA VLY FM HME	797-0222
33353★	YUCAIPA FEED	797-2639
33359★	DARLENE HESS REALTY	790-1871
33423	WHITTINGTON BEN	797-4986
33441	CASKEY RAYMOND	797-0365
★	CASKEYS WASHER&DRYR	797-0365
33459★	TACK RACK	797-2340
33477	XXXX	00
33488	CRAMER CHARLES H	797-8408
33527	ALBIN E H	797-0383
	LEWIS FLORA	797-0383
33561	XXXX	00
33595★	R&L CRAFTS	797-8530
A	LOVELACE CLYDE W	797-3380
33601	CAMPBELL GEO E	797-5905
33629★	HUGHES FUNERAL CHPL	797-1134
	KHARNS GENE	797-9505
33649	XXXX	00
33733.....	BUILDING	
★	BEGLAU DON L DDS	797-2408
★	CLINE PULSIFER INS	797-4447
★	CLINE TOM	797-1013
★	FARMERS INS GROUP	797-1013
★	HOMES FOR LIVING	797-9171
★	INLAND MORTGAGE	797-9108
★	JUST HAIR	797-6966
★	KIDDIE KLOSET	797-1338
★	MERRITT MBL HMS	797-9151
★	MILLER REALTORS	797-9171
★	PARKER RICHARD DDS	797-2408
★	PULSIFER DICK	797-1013
★	RONS POOL SUPPLY&SV	797-0262
★	SOUTHERN CTY ESCROW	797-0131
★	YUCAIPA DNTL GROUP	797-2408
33733.....		
33911	XXXX	00

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

11TH ST 1976

11TH 92399 YUCAIPA

12118	JARA JOHN	797-1035	4
	*JOHNS WHEEL ALIGNMT	797-1035	3
	*YUCAIPA ATO ELCTRCL	797-1035	
12153	*DEAN ROOFING CO	797-0055	
12167	ANGELO FRANK	797-0897	5
12181	MORRIS LARRY C	797-9395	
12193	XXXX	OO	
12194	GOTHARD RONALD C	797-6119	5
	GUSTIN LEONARD R	797-3603	
	HEWITT VAN R	797-6935	5
12195	XXXX	OO	
12213	URIBES THOS	797-3575	4
12216	XXXX	OO	
12225	KIRKHAM CHAS H	799-1652	
12243	WALKER THOS C	797-2398	5
12259	WHITTAM WARREN D	797-9346	
12262	MCGINN FLOYD F	797-8912	
12273	VALKENBURG ROBT	799-1840	3
12279	DEVITT DAVID E	797-4569	+6
12290	XXXX	OO	
12929	DENOS DELBERT	795-1682	4
12955	ARENDT KENNETH	795-6224	
12956	MCKINNEY DANL	795-1607	5
12975	THOMAS RONALD R	795-3879	5
13000	STUMP STEVEN R	795-2866	+6
	WICKMAN KARL A	795-4447	4
13001	FOREMAN D L	795-6252	+6

* 3 BUS 24 RES 3 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YUCAIPA BLVD 1976

```
32487  XXXX                 00
32525*BRIANS EXXON SV       797-6005 5
     *EXXON SERVICE STN     797-6005 4
32645 MORBITZER WALTER      797-1626
     *MORBITZERS BAR B Q    797-2080
32693  XXXX                 00
32711 FORD JAS W            797-5315+6
32807 GRACE CHRISTINE T     797-2129+6
32829*HESTONS CMPR SPL&SV797-3819+6
32895*BRAINARD SERVICE      797-0711
32917*VALLEY INN            797-1074
32921 AUPPERLE MAXINE       797-2302+6
32945  XXXX                 00
32997  XXXX                 00
33000 HENCK J PUTNAM        797-0877 5
     *YUCAIPA HIGH SCHOOL797-0106
     *YUCAIPA SCH HIGH      797-0106 4
33002*SIZZLER STEAK HS 30799-1414
33047 MAINE RICHARD         797-8386+6
33063  XXXX                 00
33075*SOUTHRN CTIES ESCRW797-0131 5
33076*SAMS PLACE            797-9905+6
33089*CIRCLE K STORE 508 797-1517
33092*DONS APPLIANCE SERV797-4415 3
33109  XXXX                 00
33145 KUYKENDALL D A        797-3877 5
      KUYKENDALL FRANK      797-3556+6
      KUYKENDALL KAREN      797-3556+6
33155 JOHNSON JONNIE        797-4619 5
33165*CATHER REALTY         797-0119 4
33193*ESTOPINAL TRUCKING 797-5512
33233*HARDWICKS FROZEN FD797-0520
33245  XXXX                 00
33261*SUNRISE GENERAL STR797-5800+6
33263  XXXX                 00
33265*A&W ROOT BEER         797-6018+6
33271 SOUSA ANGELO          797-6306 4
33299  XXXX                 00
33345 MARTINEZ SANTO        797-0222+6
     *YUCAIPA BRD&CARE HM797-0222
33353*YUCAIPA FEED          799-1139 4
33359  XXXX                 00
33423*ADAMS PRIVATE PATRL797-2319 5
33441 MEADOWS AARON         797-5903+6
      MEADOWS SEYMOUR       797-4541+6
33459  XXXX                 00
33477  XXXX                 00
33488 CRAMER CHARLES H      797-8408+6
33527 ALBIN E H             797-0383
33561  XXXX                 00
```

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

11TH ST 1971

11TH 92399 YUCAIPA

12118	JARA JOHN	797-1035
	*YUCAIPA ATO ELCTRCL	797-1035
12153	*OEAN ROOFING CO	797-0055
12181	MORRIS LARRY C	797-9395
12194	GUSTIN LEONARO R	797-3603
	MANNING JOHN A	797-5661
	MCNAUL CLYOE	799-1691
	OAKES JAS L	797-9680
12197	SPANO PETER M	797-2202
12213	KOPKA LARRY J	797-1257
12216	GOTHARO RONALO C	797-6119
12225	KIRKHAM CHAS H	799-1652
12243	PECK EOSON H	799-2182
12259	WHITTAM WARREN O	797-9346
12262	MCGINN FLOYO F	797-8912
12279	HOCKENSMITH 8 C	797-0982
12290	BISE LINOA	797-0616
12929	OEVORE E F	795-5696
12955	ARENOT KENNETH	795-6224
12975	MARSTON FREDERICK	795-5606

* 2 BUS 18 RES

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

YUCAIPA BLVD 1971

32415 HEWITT AGNES 797-7535
32487*A 1 AABA AUTO CENTR797-6100
32525*BRIANS ENCO PRODCTS797-6005
32645*MORBITZERS BAR & Q 797-2080
MORBITZER WALTER 797-1626
32693 HOLT C A 797-6626
32711 HUGHES CLEVE 797-5223
32829 VAIL WM RAY 799-1208
32895*BRAINARD SERVICE 797-0711
32917*VALLEY INN 797-1074
32945 MAYNE FRANK 797-6125
32997 RAMONT L M 797-6133
33000*YUCAIPA HIGH SCHOOL797-0106
33002*SIZZLER STEAK HS 30799-1414
33063*SCOTT FRANK RL EST 797-7114
33075*CATHER&VANBIBBER 797-5111
*VANBIBBER&CATHER 797-5111
33076*DAVANTIS BLVD CLUB 797-9902
*DAVANTIS ITALN REST797-8523
33089*CIRCLE K STORE 508 797-1517
33109 DEAN WALTER 799-1298
33145 KUYKENDALL DENNIS 797-3877
33155 FARMER JAS 797-4138
33165*DISCOUNT HEARNG AID797-1158
33193*ESTOPINAL TRUCKING 797-5512
HARDWICK FRED 797-3790
33233*HARDWICKS FROZEN FD797-0520
33245 ESTOPINAL JEANETTE 797-1576
33261 CARNEY DUANE 797-0682
33263 SOUSA ANGELO 797-6306
33265*ACW RT BR ORV IN 797-8095
33299 GONZALES REFUGIO 797-2522
33345 THOMPSON RUBY 797-0222
*YUCAIPA BROCCARE HM797-0222
33353*YUCAIPA FEED&SURPLS799-1139
33359*TYLER TROPICAL FISH799-1607
33459*MEADOWS REALTY 797-5171
MEADOWS SEYMOUR C 797-5171
33477 MEADOWS HARRY 797-0783
*NORCO RANCH INC 799-1624
33488 CRAMER CHAS H 797-8408
33527 ALBIN E H 797-0383
33561 SMITH DANA 797-3630
33595 MAPES REED 797-0971
33601 WEEKS A ROBT 797-9490
33629*HUGHES FUNERAL CHPL797-1134

xcept as authorized in writing by Haines & Co., Inc.

Target Street	Cross Street	Source
-	✓	Luskey Brothers & Co.

11TH ST 1965

11ST ST (YUC) – FROM 33100
YUCAIPA BL, SOUTH (92399)

12118 Yuc Auto Electric ...797–103
12118 Yuc Auto Electrical Serv 797–103
12118 Jara John 797–103
12137 *Zawalski JF..... 797–020
12153 Dean&Gunn Roofing 797–005
12153 Dean&Gunn Roofing 792–338

12153 Dean & Gunn Roofing Co.... 797–005
12167 *King Ernest
12170 *Keep Hugh 2 797–383
12181 *Morris LC 2 797–939
12193 Loyd ER 5
12213 *Gray CE..... 797–383
12216 *Friis ER 1.....797–642
12225 *Stebelski MO Mrs.....797–369
12243 *McPherson WH 797–632
12259 Wittham WD 797–934
12262 *McGinn FF
12273 *Copp KG
12279 *Hockensmith BC 797–098
12290 *Thompson HT..... 797–151
12929 *Devore EF 797–560

Avenue F Imts

12955 Payne CM..... 797–260
12975 *Marston FP.....797–867

Target Street	Cross Street	Source
✓	-	Luskey Brothers & Co.

YUCAIPA BLVD 1965

32487 Jerry's Body & Auto Repair...797–0109
14th St Ints
32525 Partain Signal Serv . .797–5685
32525 Partain's Signal Serv station 797–5685
32575 Schneel FW
32645 Morbitzer's Bar-B-Q .797–0114
32645 Morbitzer's Bar-B-Q .797–1626
32645 Morbitzer's Poultry Barn 797–0114
32645 *Morbitzer Walter 2 797–1626
32693 *Holt CA 797–6626
13th St Ints
32711 Vacant
32807 Vacant
32829 Speedway Hauling ...797–7331
32829 Speedway Hauling & Grading..797–7331
32829 May GF 2.....797–7331
32881 12th Street Market
32881 Twelfth Street Market
32895 Halloran's Richfield Serv Sta..797–0711
12th St Ints
32900 Yuc Junior High School 797–0106
32917 Valley Inn
32921 Vacant
32945 *Mayne Frank 797–6125
32971 *Peters Ray..... 797–6134
32997 Ramont Lela eggs whsle.... 797–6133
32997 Ramont Kate 797–6133
33047 Archer LE
33063 Frank Scott Rlty 797–7114
33063 Scott Frank Rlty 797–7114
33063 Scott Frank Realty 797–7114
33063 *Scott Frank.....797–7114
33065 Vacant
33067 Vacant
33075 Cather-VanBibber Rltr797–5111
33075 Cather-Vanibber Realtors ... 797–5111
33092 Yucaipa Farm Market 797–7958
33094 Fisher RJ 1 797–5552
11th St Ints
33104 Crafton Mesa Ranch.....797–2570
33145 *Kuykendall DA 3 797–2463
33145½ Dennie's Barber Shop 797–2463
33155 *Cooley JM 797–1117
33165 Cooley Realtors 797–1117
33193 Valley Meat & Poultry Co.... 797–1027
33193 Hardwick Fred.....797–2462
33233 HardwicksFrozenFood797–0520
33233 Hardwick's Frozen Foods Cen.797–0520
33245 *Borden Catherine.....797–9485
33261 Vacant
33265 A & W Root Beer Drive In 797–8095
33296 Cummings Rennard 797–0436
33299 Brown Merl 5 797–2461
10th St Ints
33337 Muh FA
33345 Thompson's Rest Home 797–0222
33345 *Thompson RE Mrs 797–0222
33353 Yuc Feed & Supply . 797–9310
33353 Yucaipa Feed & Supply 797–9310
33359 Wiggins Baker & Coffee Shop.797–8881
33423 Hussen JR 797–8933
33441 American Field Service 797–1574
33459 Soares AJ & Assoc ..797–1574
33459 Soares AJ & Assoc Realty.... 797–1574
33459 *Meadows SC 3 797–1574
33477 Meadows Harry chicken ranche797–0783
33477 *Meadows Harry..... 797–0783
33488 Cramer Chas H drpys 797–8408
33488 Cramer's Draperies 797–8408
33488 *Cramer CH 797–8408
Dakota Pl Ints
33527 *Albine EH 797–0383
Fremont St Ints
33561 *Newby PW 797–0255
33595 Schweizer HA 797–1220
33629 Hughes Funeral Chapel..... 797–1134
33649 Nash JJ.....797–9513
Oak Glen Rd Ints
7th St Ints

APPENDIX G

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	450710
Report Level:	II
Report Date:	09/21/2021

Analytical Report *prepared for:*

Troy Reist
Geocon Incorporated
6960 Flanders Drive
San Diego, CA 92121

Location: Yucaipa Blvd, G2806-62-01

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Troy Reist Geocon Incorporated 6960 Flanders Drive San Diego, CA 92121	Lab Job #: Location: Date Received:	450710 Yucaipa Blvd, G2806-62-01 09/17/21

Sample ID	Lab ID	Collected	Matrix
S-1	450710-001	09/16/21 11:40	Soil
S-2	450710-002	09/16/21 11:45	Soil
S-3	450710-003	09/16/21 11:50	Soil
S-4	450710-004	09/16/21 11:55	Soil

Case Narrative

Geocon Incorporated 6960 Flanders Drive San Diego, CA 92121 Troy Reist	Lab Job Number: 450710 Location: Yucaipa Blvd, G2806-62-01 Date Received: 09/17/21

This data package contains sample and QC results for four soil samples, requested for the above referenced project on 09/17/21. The samples were received cold and intact.

Pesticides (EPA 8081A):

High RPD was observed for 4,4'-DDT in the MS/MSD of T1@1' (lab # 450716-001); this analyte was not detected at or above the RL in the associated samples. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 450710

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:	X	1 Day		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Wate SD = Sediment
PP = Pure Product SEA = Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Geocon Inc.	Name:	Yucaipa Blvd
Report To:	Troy Reist	Number:	G2806-62-01
Email:	reist@geoconinc.com	P.O. #:	
Address:	6960 Flanders Drive	Address:	
	San Diego, CA 92127		
Phone:	858 558-6900	Global ID:	
Cell:	619 818-0267	Sampled By:	Cole Mikesell

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8260 VOCs	8015 TPH GRO + ORO + DRO	6010B Lead	8081 OCPs	8270 sVOCs	6010 Title 22 Metals	8082 PCBs	6010 Arsenic Only			Test Instructions / Comments
1	S-1	09/16/21	11:40 AM	S	1-8oz	6				X				X			
2	S-2	09/16/21	11:45 AM	S	1-8oz	6				X				X			
3	S-3	09/16/21	11:50 AM	S	1-8oz	6				X				X			
4	S-4	09/16/21	11:55 AM	S	1-8oz	6				X				X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Troy K. Reist	Troy Reist	Geocon Inc.	09/17/2021; 9:01 AM
1 Received By:	[illegible]	NELSON ESQUIVEL	EA	9-17-21 1345
2 Relinquished By:	[illegible]	NELSON ESQUIVEL	EA	9-17-21 1530
2 Received By:	[illegible]	DM Sampson	EA	9-17-21 1530
3 Relinquished By:	[illegible]	DM Sampson	EA	9-17-21 1635
3 Received By:	[illegible]	Elizabeth Ramirez	EA	9/17/21 16:35

6.3/5.9

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Geocon Inc. Project: Yucaipa Blvd.

Date Received: 9/17/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.3 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: [signature] Date: 9/17/21

ENTHALPY ANALYTICAL

Analysis Results for 450710

Troy Reist
Geocon Incorporated
6960 Flanders Drive
San Diego, CA 92121

Lab Job #: 450710
Location: Yucaipa Blvd, G2806-62-01
Date Received: 09/17/21

Sample ID: S-1 **Lab ID: 450710-001** **Collected: 09/16/21 11:40**
Matrix: Soil

450710-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**2.0**		mg/Kg	0.97	0.97	274211	09/20/21	09/21/21	KLN
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Aldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Methoxychlor	ND		ug/Kg	10	1	274192	09/20/21	09/20/21	TRN
Toxaphene	ND		ug/Kg	100	1	274192	09/20/21	09/20/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	274192	09/20/21	09/20/21	TRN
Surrogates				**Limits**					
TCMX	78%		%REC	23-120	1	274192	09/20/21	09/20/21	TRN
Decachlorobiphenyl	99%		%REC	24-120	1	274192	09/20/21	09/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 450710

Sample ID: S-2	Lab ID: 450710-002	Collected: 09/16/21 11:45
	Matrix: Soil	

450710-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**1.1**		mg/Kg	0.93	0.93	274211	09/20/21	09/21/21	KLN
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Aldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Methoxychlor	ND		ug/Kg	10	1	274192	09/20/21	09/20/21	TRN
Toxaphene	ND		ug/Kg	100	1	274192	09/20/21	09/20/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	274192	09/20/21	09/20/21	TRN
Surrogates				**Limits**					
TCMX	82%		%REC	23-120	1	274192	09/20/21	09/20/21	TRN
Decachlorobiphenyl	105%		%REC	24-120	1	274192	09/20/21	09/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 450710

Sample ID: S-3	Lab ID: 450710-003	Collected: 09/16/21 11:50
	Matrix: Soil	

450710-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**1.3**		mg/Kg	1.0	1	274211	09/20/21	09/21/21	KLN
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Aldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Methoxychlor	ND		ug/Kg	10	1	274192	09/20/21	09/20/21	TRN
Toxaphene	ND		ug/Kg	100	1	274192	09/20/21	09/20/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	274192	09/20/21	09/20/21	TRN
Surrogates				**Limits**					
TCMX	75%		%REC	23-120	1	274192	09/20/21	09/20/21	TRN
Decachlorobiphenyl	92%		%REC	24-120	1	274192	09/20/21	09/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 450710

Sample ID: S-4	Lab ID: 450710-004	Collected: 09/16/21 11:55
	Matrix: Soil	

450710-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Arsenic	**1.8**		mg/Kg	1.0	1	274211	09/20/21	09/21/21	KLN
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
beta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
gamma-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
delta-BHC	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Aldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan I	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Dieldrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDE	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan II	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDD	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Endrin ketone	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
4,4'-DDT	ND		ug/Kg	5.0	1	274192	09/20/21	09/20/21	TRN
Methoxychlor	ND		ug/Kg	10	1	274192	09/20/21	09/20/21	TRN
Toxaphene	ND		ug/Kg	100	1	274192	09/20/21	09/20/21	TRN
Chlordane (Technical)	ND		ug/Kg	50	1	274192	09/20/21	09/20/21	TRN
Surrogates				**Limits**					
TCMX	74%		%REC	23-120	1	274192	09/20/21	09/20/21	TRN
Decachlorobiphenyl	96%		%REC	24-120	1	274192	09/20/21	09/20/21	TRN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC944485**	**Batch:**	**274192**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC944485 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	09/20/21	09/20/21
beta-BHC	ND		ug/Kg	5.0	09/20/21	09/20/21
gamma-BHC	ND		ug/Kg	5.0	09/20/21	09/20/21
delta-BHC	ND		ug/Kg	5.0	09/20/21	09/20/21
Heptachlor	ND		ug/Kg	5.0	09/20/21	09/20/21
Aldrin	ND		ug/Kg	5.0	09/20/21	09/20/21
Heptachlor epoxide	ND		ug/Kg	5.0	09/20/21	09/20/21
Endosulfan I	ND		ug/Kg	5.0	09/20/21	09/20/21
Dieldrin	ND		ug/Kg	5.0	09/20/21	09/20/21
4,4'-DDE	ND		ug/Kg	5.0	09/20/21	09/20/21
Endrin	ND		ug/Kg	5.0	09/20/21	09/20/21
Endosulfan II	ND		ug/Kg	5.0	09/20/21	09/20/21
Endosulfan sulfate	ND		ug/Kg	5.0	09/20/21	09/20/21
4,4'-DDD	ND		ug/Kg	5.0	09/20/21	09/20/21
Endrin aldehyde	ND		ug/Kg	5.0	09/20/21	09/20/21
Endrin ketone	ND		ug/Kg	5.0	09/20/21	09/20/21
4,4'-DDT	ND		ug/Kg	5.0	09/20/21	09/20/21
Methoxychlor	ND		ug/Kg	10	09/20/21	09/20/21
Toxaphene	ND		ug/Kg	100	09/20/21	09/20/21
Chlordane (Technical)	ND		ug/Kg	50	09/20/21	09/20/21
Surrogates				**Limits**		
TCMX	83%		%REC	23-120	09/20/21	09/20/21
Decachlorobiphenyl	116%		%REC	24-120	09/20/21	09/20/21

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC944486**	**Batch:**	**274192**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC944486 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	46.99	50.00	ug/Kg	94%		22-129
beta-BHC	45.52	50.00	ug/Kg	91%		28-125
gamma-BHC	45.11	50.00	ug/Kg	90%		22-128
delta-BHC	47.02	50.00	ug/Kg	94%		24-131
Heptachlor	46.78	50.00	ug/Kg	94%		18-124
Aldrin	46.13	50.00	ug/Kg	92%		23-120
Heptachlor epoxide	47.38	50.00	ug/Kg	95%		26-120
Endosulfan I	51.37	50.00	ug/Kg	103%		25-126
Dieldrin	51.05	50.00	ug/Kg	102%		23-124
4,4'-DDE	51.86	50.00	ug/Kg	104%		28-121
Endrin	57.35	50.00	ug/Kg	115%		25-127
Endosulfan II	56.33	50.00	ug/Kg	113%		29-121
Endosulfan sulfate	53.01	50.00	ug/Kg	106%		30-121
4,4'-DDD	50.59	50.00	ug/Kg	101%		26-120
Endrin aldehyde	36.36	50.00	ug/Kg	73%		10-120
Endrin ketone	49.19	50.00	ug/Kg	98%		28-125
4,4'-DDT	59.57	50.00	ug/Kg	119%		22-125
Methoxychlor	53.42	50.00	ug/Kg	107%		28-130
Surrogates						
TCMX	43.89	50.00	ug/Kg	88%		23-120
Decachlorobiphenyl	59.64	50.00	ug/Kg	119%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC944487**	**Batch:**	**274192**
Matrix (Source ID):	**Soil (450716-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC944487 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	46.62	ND	50.00	ug/Kg	93%		46-120	1
beta-BHC	44.79	ND	50.00	ug/Kg	90%		41-120	1
gamma-BHC	45.66	ND	50.00	ug/Kg	91%		41-120	1
delta-BHC	45.99	ND	50.00	ug/Kg	92%		38-123	1
Heptachlor	44.61	ND	50.00	ug/Kg	89%		39-120	1
Aldrin	34.03	ND	50.00	ug/Kg	68%		34-120	1
Heptachlor epoxide	45.90	ND	50.00	ug/Kg	92%		43-120	1
Endosulfan I	48.94	ND	50.00	ug/Kg	98%		45-120	1
Dieldrin	49.47	ND	50.00	ug/Kg	99%		45-120	1
4,4'-DDE	52.66	2.475	50.00	ug/Kg	100%		34-120	1
Endrin	56.75	ND	50.00	ug/Kg	113%		40-120	1
Endosulfan II	51.41	ND	50.00	ug/Kg	103%		41-120	1
Endosulfan sulfate	48.36	ND	50.00	ug/Kg	97%		42-120	1
4,4'-DDD	50.68	ND	50.00	ug/Kg	101%		41-120	1
Endrin aldehyde	32.74	ND	50.00	ug/Kg	65%		30-120	1
Endrin ketone	43.93	ND	50.00	ug/Kg	88%		45-120	1
4,4'-DDT	42.49	ND	50.00	ug/Kg	85%		35-127	1
Methoxychlor	49.71	ND	50.00	ug/Kg	99%		42-136	1
Surrogates								
TCMX	43.99		50.00	ug/Kg	88%		23-120	1
Decachlorobiphenyl	51.20		50.00	ug/Kg	102%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC944488	Batch:	274192
Matrix (Source ID):	Soil (450716-001)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC944488 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	44.42	ND	50.00	ug/Kg	89%		46-120	5	30	1
beta-BHC	45.17	ND	50.00	ug/Kg	90%		41-120	1	30	1
gamma-BHC	42.45	ND	50.00	ug/Kg	85%		41-120	7	30	1
delta-BHC	44.41	ND	50.00	ug/Kg	89%		38-123	3	30	1
Heptachlor	43.01	ND	50.00	ug/Kg	86%		39-120	4	30	1
Aldrin	43.19	ND	50.00	ug/Kg	86%		34-120	24	30	1
Heptachlor epoxide	43.98	ND	50.00	ug/Kg	88%		43-120	4	30	1
Endosulfan I	47.12	ND	50.00	ug/Kg	94%		45-120	4	30	1
Dieldrin	47.14	ND	50.00	ug/Kg	94%		45-120	5	30	1
4,4'-DDE	48.98	2.475	50.00	ug/Kg	93%		34-120	7	30	1
Endrin	56.04	ND	50.00	ug/Kg	112%		40-120	1	30	1
Endosulfan II	50.59	ND	50.00	ug/Kg	101%		41-120	2	30	1
Endosulfan sulfate	47.65	ND	50.00	ug/Kg	95%		42-120	1	30	1
4,4'-DDD	47.58	ND	50.00	ug/Kg	95%		41-120	6	30	1
Endrin aldehyde	31.78	ND	50.00	ug/Kg	64%		30-120	3	30	1
Endrin ketone	43.39	ND	50.00	ug/Kg	87%		45-120	1	30	1
4,4'-DDT	59.73	ND	50.00	ug/Kg	119%		35-127	34*	30	1
Methoxychlor	59.98	ND	50.00	ug/Kg	120%		42-136	19	30	1
Surrogates										
TCMX	43.28		50.00	ug/Kg	87%		23-120			1
Decachlorobiphenyl	57.63		50.00	ug/Kg	115%		24-120			1

Type:	Blank	Lab ID:	QC944557	Batch:	274211
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC944557 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	09/20/21	09/21/21

Type:	Lab Control Sample	Lab ID:	QC944558	Batch:	274211
Matrix:	Soil	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC944558 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	105.4	100.0	mg/Kg	105%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC944559	Batch:	274211
Matrix (Source ID):	Soil (450633-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC944559 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	100.4	3.014	99.01	mg/Kg	98%		75-125	0.99

Type:	Matrix Spike Duplicate	Lab ID:	QC944560	Batch:	274211
Matrix (Source ID):	Soil (450633-006)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC944560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	99.65	3.014	96.15	mg/Kg	100%		75-125	2	35	0.96

* Value is outside QC limits

ND Not Detected