

APPENDIX A



**INITIAL STUDY
for the
Proposed Demolition of the Riverside Free Methodist Church at
8341 Diana Avenue in the
City of Riverside**

Prepared for:

**City of Riverside Community Development Department
Planning Division**

Prepared by:

**LSA Associates, Inc.
1500 Iowa Avenue, Suite 200
Riverside, CA 92507**

DECEMBER 2014

INTRODUCTION

California Environmental Quality Act Compliance

This document serves as the Initial Study for the proposed project and Environmental Impact Report (EIR) in the City of Riverside (City), California. The City, through its Community Development Department, Planning Division (Department), is the lead agency responsible for the review and approval of the proposed project.

This Initial Study has been prepared by LSA on behalf of the Department and is in conformance with Sections 15063 and 15064 of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et. seq). The purpose of the Initial Study Checklist/Environmental Evaluation is to identify any potentially significant impacts associated with the proposed project and to document the forthcoming intended analysis in an EIR.

ENVIRONMENTAL CHECKLIST

1. **Case Number:** **P13-0685 (Certificate of Appropriateness) and P13-0852 (Environmental Impact Report)**
2. **Project Title:** Riverside Free Methodist Church Demolition Project
3. **Lead Agency:** City of Riverside
Community Development Department
Planning Division
3900 Main Street, 3rd Floor
Riverside, CA 92522
4. **Contact Person:** Teri Delcamp
Phone Number: 951-826-2117
5. **Project Location:** 8431 Diana Avenue, Riverside, CA 92504
6. **Project Applicant/Project Sponsor's Name and Address:**
Steve Smith, Director, Facilities & Planning Services
California Baptist University (CBU)
8432 Magnolia Avenue, Riverside, CA 92504
7. **General Plan Designation:** California Baptist University Specific Plan
8. **Zoning:** California Baptist University Specific Plan - Mixed Use/Urban
9. **Description of Project:**

The proposed project is the demolition by California Baptist University (CBU) of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue in the City of Riverside in western Riverside County. Figure 1 depicts the project vicinity and regional location. The proposed project site consists of 3.14 acres and is developed as a church facility with a 3,942 square foot sanctuary and 2,340 square foot fellowship hall constructed in 1963-64 and a 3,360 square foot education building constructed in 1979. The current structures on-site can be viewed in Figure 2. The site contains improvements consisting of a paved parking lot, concrete walkways, ornamental landscaping a tot lot, and undeveloped area. The project site is further identified by Assessor Parcel Number 231-070-007 and USGS Map, Riverside Quad, T3S, R5W, portions of Sections 5 and 8 of SBBM.

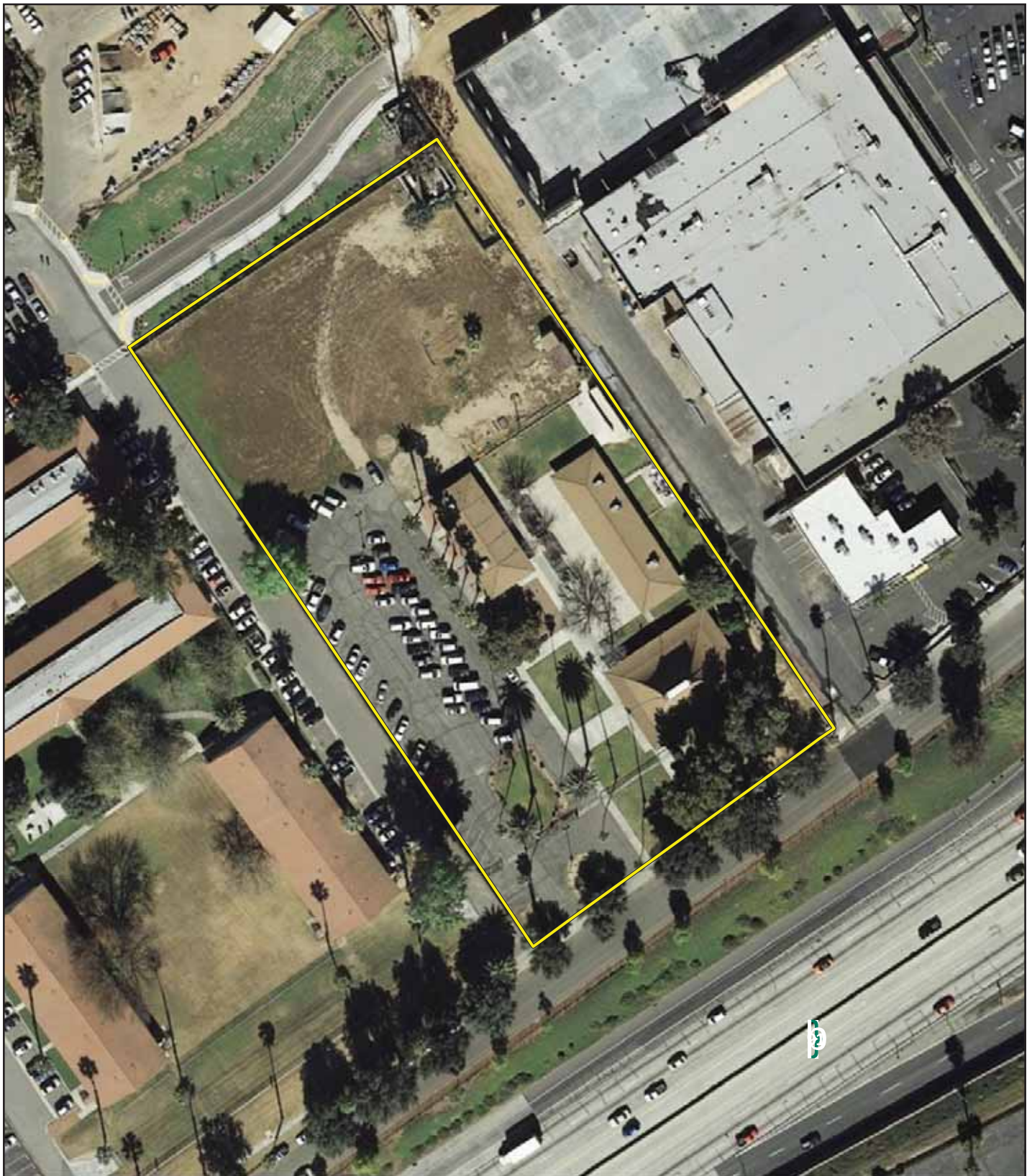
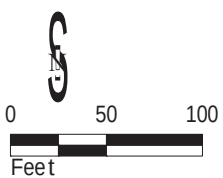


FIGURE 2

LSA



Project Location

*Riverside Free Methodist
Church Demolition Project*

Project Site

SOURCE: ESRI World Imagery, 2012; Riverside County, 2014

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P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

The proposed project site lies within the California Baptist University Specific Plan (CBUSP) and is designated as Mixed Use/Urban under the CBUSP as shown in Figure 3. The Purpose and Intent of the Specific Plan is as follows:

- Guide and accommodate the anticipated future growth of the CBU Campus;
- Enhance and support the CBU Community, including academics, student organizations, and athletics;
- Establish and maintain an appropriate and viable mix of land uses;
- Encourage sustainable development;
- Enhance and increase mobility on and off campus;
- Provide pedestrian amenities and consistent design quality;
- Focus on safety and security through environmental design;
- Preserve and maintain significant cultural resources;
- Strengthen campus identity through intelligent design and high quality development and aesthetics;
- Foster economic development; and
- Streamline the project entitlement process.

In 2013, the City of Riverside adopted a Mitigated Negative Declaration, (MND), in conjunction with the CBUSP. The MND evaluated potential impacts with the CBUSP project area that included aesthetics, biological resources, greenhouse gas emissions, air quality, land use planning, population and housing, transportation, cultural resources, hazards and hazardous materials, utility services, public services, geology and soils, hydrology, noise, and recreation. The technical, economic, and environmental characteristics evaluated in the MND remain relevant to the proposed project with the exception of an impact upon a cultural resource.

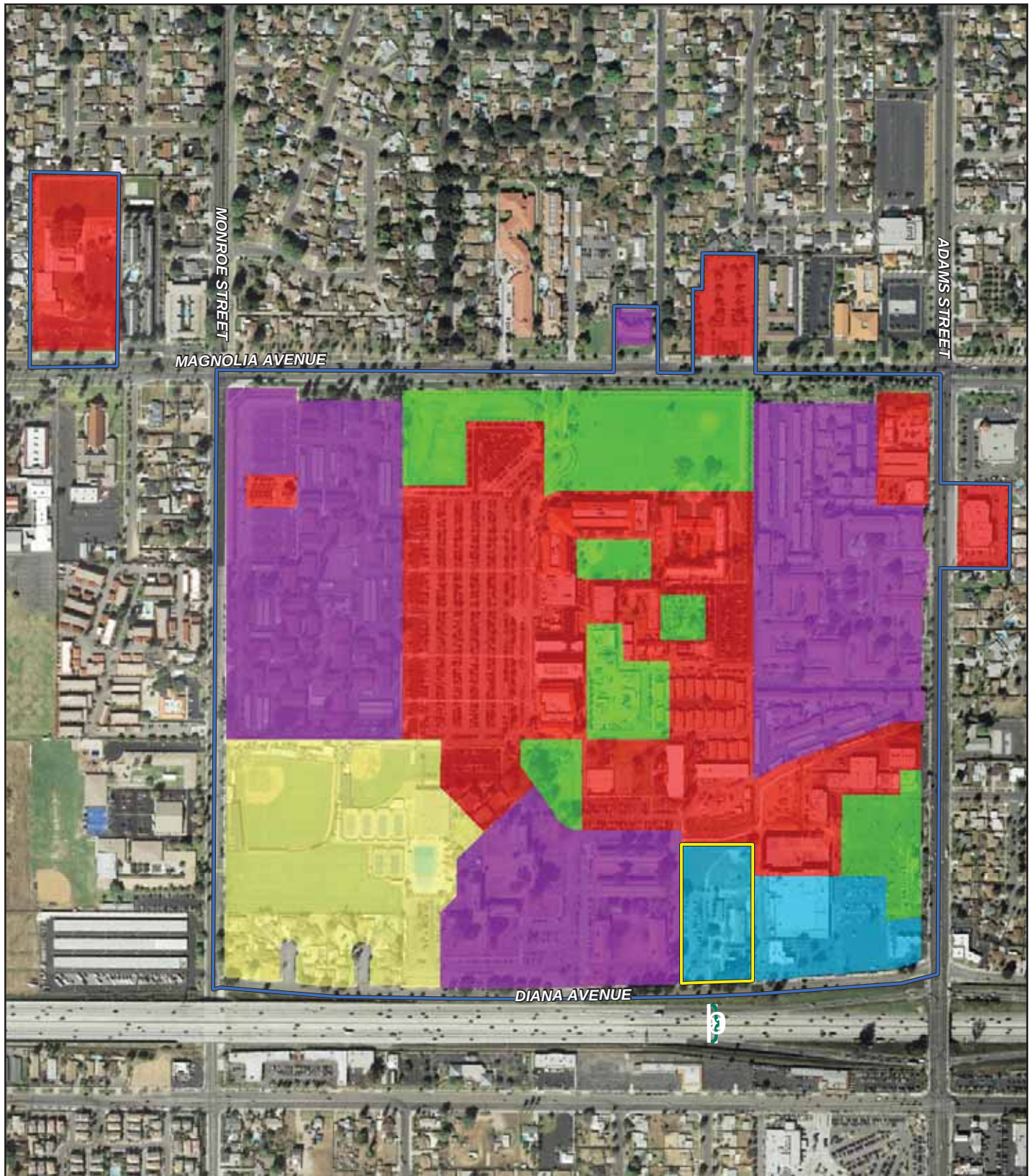
The church facility was evaluated for historical significance in a Cultural Resources survey completed with the CBUSP. The church facility site was found to be eligible for designation as a City Landmark under criteria of Title 20 of the Riverside Municipal Code. Although the church facility is included in the CBUSP, the demolition of the church facility was not analyzed in the MND since CBU did not own the property at the time the MND was adopted. CBU subsequently acquired the property. The proposed project does not identify a replacement use at this time. Any future use shall be consistent with the uses allowed in the CBUSP.

The proposed project will consist of site clearing, building removal, and rough grading and will take approximately two to three months. The proposed project is anticipated to occur in the latter half of 2015. The church facility has been served by an on-site septic system. This system will be removed under the proposed project, and any future development will be connected to the City's sewer system.

A Certificate of Appropriateness in accordance with Title 20 of the Riverside Municipal Code is required in order to implement the proposed project, and is the entitlement that is subject to the California Environmental Quality Act.

10. Surrounding land uses and setting: Briefly describe the project's surroundings:

	Existing Land Use	General Plan Designation	Zoning Designation
Project Site	Riverside Free Methodist Church	CBU Specific Plan	Mixed Use/Urban
North	CBU Facilities Planning	CBU Specific Plan	Mixed Use/Academic
East	Commercial retail buildings	CBU Specific Plan	Mixed Use/Urban
South	State Route 91	N/A	N/A
West	CBU on-campus apartments	CBU Specific Plan	Mixed Use/Residential and Mixed Use/Academic



L S A

FIGURE 3

 Project Location	 Mixed Use/Residential (CBUSP-MU/R)
 CBU Specific Plan Boundary	 Mixed Use/Urban (CBUSP-MU/U)
Specific Plan Zoning	
 Mixed Use/Academic (CBUSP-MU/A)	 Open Space (CBUSP-OS)
	 Athletics (CBUSP-A)

*Riverside Free Methodist
Church Demolition Project*

California Baptist University
Specific Plan Zoning

SOURCE: ESRI World Imagery, 2012; Riverside County, 2014

11. Other public agencies whose approval is required (e.g., permits, financial approval, or participation agreement.):

- a. Regional Water Quality Control Board

12. Other Environmental Reviews Incorporated by Reference in this Review:

- a. General Plan 2025
- b. GP 2025 FPEIR
- c. California Baptist University Specific Plan Mitigated Negative Declaration

13. Acronyms

AICUZ -	Air Installation Compatible Use Zone Study
AQMP -	Air Quality Management Plan
AUSD -	Alvord Unified School District
CEQA -	California Environmental Quality Act
CMP -	Congestion Management Plan
EIR -	Environmental Impact Report
EMWD -	Eastern Municipal Water District
EOP -	Emergency Operations Plan
FEMA -	Federal Emergency Management Agency
FPEIR -	GP 2025 Final Programmatic Environmental Impact Report
GIS -	Geographic Information System
GhG -	Green House Gas
GP 2025 -	General Plan 2025
IS -	Initial Study
LHMP -	Local Hazard Mitigation Plan
MARB/MIP -	March Air Reserve Base/March Inland Port
MJPA-JLUS -	March Joint Powers Authority - Joint Land Use Study
MSHCP -	Multiple-Species Habitat Conservation Plan
MVUSD -	Moreno Valley Unified School District
NCCP -	Natural Communities Conservation Plan
OEM -	Office of Emergency Services
OPR -	Office of Planning & Research, State
PEIR -	Program Environmental Impact Report
PW -	Public Works, Riverside
RCALUC -	Riverside County Airport Land Use Commission
RCALUCP -	Riverside County Airport Land Use Compatibility Plan
RCP -	Regional Comprehensive Plan
RCTC -	Riverside County Transportation Commission
RMC -	Riverside Municipal Code
RPD -	Riverside Police Department
RPU -	Riverside Public Utilities
RTIP -	Regional Transportation Improvement Plan
RTP -	Regional Transportation Plan
RUSD -	Riverside Unified School District
SCAG -	Southern California Association of Governments
SCAQMD -	South Coast Air Quality Management District
SCH -	State Clearinghouse
SKR-HCP -	Stephens' Kangaroo Rat - Habitat Conservation Plan
SWPPP -	Storm Water Pollution Prevention Plan
USGS -	United States Geologic Survey
WMWD -	Western Municipal Water District
WQMP -	Water Quality Management Plan

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

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation which reflects the independent judgment of the City of Riverside, it is recommended that:

The City of Riverside finds that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared. ☐

The City of Riverside finds 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. ☐

The City of Riverside finds that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required. ☒

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

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

Signature _____

Date _____

Printed Name & Title _____

For _____ City of Riverside



City of Arts & Innovation

COMMUNITY DEVELOPMENT DEPARTMENT

Planning Division

Environmental Initial Study

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
- 4) “Negative Declaration: Less Than Significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from “Earlier Analyses,” as described in (5) below, may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. 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 measure 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) The explanation of each issue should identify:
 - a. the significance criteria or threshold, if any, used to evaluate each question; and
 - b. the mitigation measure identified, if any, to reduce the impact to less than significance.

ISSUES (AND SUPPORTING INFORMATION SOURCES):	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?	☐	☐	☐	☒
1a. Response: <i>(Source: General Plan 2025 Figure CCM-4 – Master Plan of Roadways, General Plan 2025 FPEIR Figure 5.1-1 – Scenic and Special Boulevards and Parkways, Table 5.1-A – Scenic and Special Boulevards, and Table 5.1-B – Scenic Parkways)</i> No Impact. The most prominent scenic vistas that can be seen from the Western Riverside are the San Gabriel Mountains and Mount Rubidoux. Due to the topography, landscaping and surrounding buildings, these scenic vistas cannot be seen from the project site. In addition, the proposed project consists of demolition of existing buildings within an urbanized area completely surrounded by existing development on a college campus. There are no nearby scenic vistas. Therefore, the project will have no impact directly, indirectly or cumulatively to scenic vistas. No mitigation is required and further discussion of this topic is not required in the EIR.				
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
1b. Response: <i>(Source: General Plan 2025 Figure CCM-4 – Master Plan of Roadways, General Plan 2025 FPEIR Figure 5.1-1 – Scenic and Special Boulevards, Parkways, Table 5.1-A – Scenic and Special Boulevards, Table 5.1-B – Scenic Parkways, the City's Urban Forest Tree Policy Manual, and Title 20 – Cultural Resources)</i> Less Than Significant Impact. There are no scenic highways within the City that could be potentially impacted. In addition, the proposed project is not located along or within view of a scenic boulevard, parkway or special boulevard as designated by the City's General Plan 2025. The nearest special boulevard to the proposed project is Magnolia Avenue which is located approximately 0.5 mile northwest of the project site. Existing buildings immediately northwest of the project site block views of the site from Magnolia Avenue. In addition, the project site contains an existing building that is proposed to be demolished and all future uses of the site have been analyzed in the CBUSP MND. Therefore the proposed demolition will not have an effect on any scenic resources within a scenic roadway. As well, there are no rock outcroppings within view of this proposed project so no impacts to these resources will occur. The cultural relevance of the existing building is discussed in response 5 a. of this initial study. Demolition of existing buildings on the project site will not significantly impact scenic resources. Therefore, any potential adverse direct, indirect or cumulative impacts from this project will be less than significant impacts . No mitigation is required and further discussion of this topic is not required in the EIR.				
c. Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☒	☐
1c. Response: <i>(Source: General Plan 2025, General Plan 2025 FPEIR, Zoning Code, Citywide Design and Sign Guidelines, and CBU Specific Plan)</i> Less than Significant Impact. To substantially degrade the existing visual character or quality of a site requires that a project develop an area in such a way that the long term quality of the site would be degraded. The proposed project consists of the demolition of existing buildings to prepare the site for future uses that have previously been analyzed in the CBUSP MND. Therefore, because the project does not include any long term changes to the site that have not been analyzed in the CBUSP MND, the project will not directly, indirectly or cumulatively degrade the existing visual character of the area and a less than significant impact would occur. No mitigation is required and further discussion of this topic is not required in the EIR.				
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☒
1d. Response: <i>(Source: General Plan 2025, General Plan 2025 FPEIR Figure 5.1-2 – Mount Palomar Lighting)</i>				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
Area, Title 19 – Article VIII – Chapter 19.556 – Lighting, Citywide Design and Sign Guidelines, and CBU Specific No Impact. The project would not result in a new source of substantial light or glare which would adversely affect day or nighttime views as the project consists of the demolition of existing buildings which would occur only during daylight hours. No new lighting is proposed or required for the project and no exterior building materials are proposed that would contribute to daytime glare impacts. As such the project will have no impact directly, indirectly or cumulatively which would adversely affect day or nighttime views due to glare and lighting. No mitigation is required and further discussion of this topic is not required in the EIR.				
2. AGRICULTURE AND FOREST 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 the forest carbon measurement methodology provided in the 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?	☐	☐	☐	☒
2a. Response: (Source: General Plan 2025 – Figure OS-2 – Agricultural Suitability & General Plan 2025 FPEIR – Appendix I – Designated Farmland Table) No Impact. The Project is located within an urbanized area. A review of Figure OS-2 – Agricultural Suitability of the General Plan 2025 reveals that the project site is not designated as, and is not adjacent to or in proximity to any land classified as, Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. Therefore, the project will have no impact directly, indirectly or cumulatively to Farmland.				
b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
2b. Response: (Source: General Plan 2025 – Figure OS-3 - Williamson Act Preserves, General Plan 2025 FPEIR – Figure 5.2-4 – Proposed Zones Permitting Agricultural Uses, and Title 19) No Impact. A review of Figure 5.2-2 – Williamson Act Preserves of the General Plan 2025 FPEIR reveals that the project site is not located within an area that is affected by a Williamson Act Preserve or under a Williamson Act Contract. Moreover, the project site is not zoned for agricultural use and is not next to land zoned for agricultural use; therefore, the project will have no impact directly, indirectly or cumulatively to agricultural zoning or Williamson Act contract lands.				
c. Conflict with existing zoning for, or cause rezoning of,	☐	☐	☐	☒

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
forest land (as defined in Public Resources Code section 12220(g)) timberland (as defined in Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				
2c. Response: No Impact. The project site and the entire City of Riverside has no forest land nor does it have any timberland. Therefore, no impacts to forest land or timberland will occur from this project directly, indirectly or cumulatively.				
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
2d. Response: No Impact. The project site and the entire City of Riverside has no forest land nor does it have any timberland, therefore no impacts to forest land or timberland will occur from this project directly, indirectly or cumulatively.				
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?	☐	☐	☐	☒
2e. Response: (Source: General Plan – Figure OS-2 – Agricultural Suitability, Figure OS-3 – Williamson Act Preserves, General Plan 2025 FPEIR – Appendix I – Designated Farmland Table, Title 19 – Article V – Chapter 19.100 – Residential Zones – RC Zone and RA-5 Zone) No Impact. The project is located in an urbanized area of the City. The property is developed and currently contains a church facility and two associated buildings. The exterior area of the property is primarily covered with paved walkways and ornamental landscaping. Additionally, the site is identified as urban/built out land and therefore does not support agricultural resources or operations. The project will not result in the conversion of designated farmland to non-agricultural uses. There are no agricultural resources or operations, including farmlands within proximity of the subject site. The City of Riverside has no forest land or timberland. Therefore, no impacts will occur from this project directly, indirectly or cumulatively to conversion of Farmland to non-agricultural use or to the loss of forest land and timberland.				
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?	☒	☐	☐	☐
3a. Response: (Source: South Coast Air Quality Management District's 2007 Air Quality Management Plan (AQMP)) Potentially Significant Impact. The City of Riverside is located in the South Coast Air Basin which, according to the 1997 Air Quality Management Plan has the worst air quality in the nation. The proposed project could have a potentially significant impact by conflicting with applicable air quality plans. A technical air quality study is being prepared to address the project's effects on air quality during the demolition of the on-site buildings. Therefore, an EIR will be required to address any Air Quality impacts such as conflicts with any applicable air quality plans and to identify any required mitigation measures.				
b. Violate any air quality standard or contribute substantially	☒	☐	☐	☐

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
to an existing or projected air quality violation?				
3b. Response: (Source: General Plan 2025 FPEIR Table 5.3-B SCAQMD CEQA Regional Significance Thresholds, South Coast Air Quality Management District's 2007 AQMP)				
Potentially Significant Impact. The project could contribute substantially to an existing or project air quality violation. The EIR will be required to address any Air Quality impacts such as violations of any air quality standards or contributions to existing or project air quality violations and to identify any required mitigation measures.				
c. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☒	☐	☐	☐
3c. Response: (Source: General Plan 2025 FPEIR Table 5.3-B SCAQMD CEQA Regional Significance Thresholds, South Coast Air Quality Management District's 2007 Air Quality Management Plan)				
Potentially Significant Impact. The project consists of the demolition of three existing buildings but not the replacement of those buildings at this time. The demolition could cause short-term cumulative net increases in pollutants. The EIR will be required to address any Air Quality impacts such as cumulatively considerable net increases of any criteria pollutant and to identify required mitigation measures.				
d. Expose sensitive receptors to substantial pollutant concentrations?	☒	☐	☐	☐
3d. Response: (Source: General Plan 2025 FPEIR Table 5.3-B SCAQMD CEQA Regional Significance Thresholds, South Coast Air Quality Management District's 2007 Air Quality Management Plan)				
Potentially Significant Impact. The SCAQMD identifies the following as sensitive receptors: long-term health care facilities, rehabilitation centers, convalescent centers, retirement homes, residences, schools, playgrounds, child care centers, and athletic facilities. The nearest sensitive receptors are medium density residential homes approximately 0.2 mile west of the project site. The project site is also in the vicinity of three schools. The nearest school to the project site is Riverside Christian High School approximately 0.4 mile west of the project site. Other nearby schools include: Chemawa Middle School approximately 0.5 mile northwest of the project site and Sherman Indian High School approximately 0.6 mile west of the project site. In addition, CBU public/institutional facilities land uses are located immediately adjacent to the west and north of the project site. Therefore, the project has the potential to significantly impact sensitive receptors. An EIR will be required to address any Air Quality impacts and identify and required mitigation measures.				
e. Create objectionable odors affecting a substantial number of people?	☐	☐	☐	☒
3e. Response:				
Less Than Significant. During demolition, diesel-powered vehicles and equipment in use on the site would create odors. However, these odors are temporary and not likely to be noticeable beyond the project boundaries. Therefore, odors from the proposed project would have a less than significant impact . No mitigation is required and further discussion of this topic is not required in the EIR.				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	☒	☐	☐	☐
4a. Response: Potentially Significant Impact. A Biological Resource Assessment is being prepared for the proposed site. Potential impacts to biological resources will be fully analyzed in the required EIR and mitigation measures will be identified, where required.				
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?	☒	☐	☐	☐
4b. Response: Potentially Significant Impact. A Biological Resource Assessment is being prepared for the proposed site. Potential impacts to biological resources will be fully analyzed in the required EIR and mitigation measures will be identified, where required.				
c. Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☒	☐	☐	☐
4c. Response: Potentially Significant Impact. The project site does not include any wetlands. However, a Biological Resource Assessment is being prepared for the proposed site. Potential impacts to biological resources will be fully analyzed in the required EIR and mitigation measures will be identified, where required.				
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?	☒	☐	☐	☐
4d. Response: Potentially Significant Impact. A Biological Resource Assessment is being prepared for the proposed site. Potential impacts to biological resources will be fully analyzed in the required EIR and mitigation measures will be identified, where required.				
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☒	☐	☐	☐
4e. Response:				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
Potentially Significant Impact. A Biological Resource Assessment is being prepared for the proposed site. Potential impacts to biological resources will be fully analyzed in the required EIR and mitigation measures will be identified, where required.				
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?	☒	☐	☐	☐
4f. Response: Potentially Significant Impact. A Biological Resource Assessment is being prepared for the proposed site. Potential impacts to biological resources will be fully analyzed in the required EIR and mitigation measures will be identified, where required.				
5. CULTURAL RESOURCES. Would the project:				
a. Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5 of the CEQA Guidelines?	☒	☐	☐	☐
5a. Response: (Source: GP 2025 FPEIR Table 5.5-A Historical Districts and Neighborhood Conservation Areas and Appendix D, Title 20 of the Riverside Municipal Code) Potentially Significant Impact. Based on the previously adopted Mitigated Negative Declaration for the California Baptist University Specific Plan, the existing church facility was determined to be an eligible historical resource. In accordance with CEQA, demolition of an eligible historical resource is presumed to be a potentially significant impact.. A Cultural Resources Study is being completed for the project site to evaluate potentially significant impacts associated with the project.. The historical significance of the existing buildings and potential impacts will be fully analyzed in the EIR and mitigation measures will be identified, where required.				
b. Cause a substantial adverse change in the significance of an archeological resource pursuant to § 15064.5 of the CEQA Guidelines?	☒	☐	☐	☐
5b. Response: (Source: GP 2025 FPEIR Figure 5.5-1 - Archaeological Sensitivity and Figure 5.5-2 - Prehistoric Cultural Resources Sensitivity, Appendix D – Cultural Resources Study) Potentially Significant Impact. According to the Riverside General Plan EIR Figure 5.5-1, the project site is in an area of unknown archaeological sensitivity. Therefore, demolition may have significant impacts to archeological resources. This topic will be analyzed in the required EIR and mitigation measures, where required, will be identified.				
c. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐
5c. Response: (Source: General Plan 2025 Policy HP-1.3) Less than Significant Impact. The project site has been previously developed and is unlikely to contain any paleontological resources. In addition, the project consists of demolition of existing church buildings. Demolition does not involve a large amount of earthmoving. Therefore, impacts to unique paleontological resources are less than significant and no mitigation is required. Further discussion of this topic is not required in the EIR.				
d. Disturb any human remains, including those interred	☐	☐	☒	☐

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
outside of formal cemeteries?				
5d. Response: (Source: GP 2025 FPEIR Figure 5.5-1 - Archaeological Sensitivity and Figure 5.5-2 - Prehistoric Cultural Resources Sensitivity) Less than Significant. Due to the project site being previously developed the likelihood of encountering human remains is minimal. In addition, the California Health and Safety Code states that if human remains are discovered on site, no further disturbance shall occur until the County Coroner has made a determination of origin and disposition. ¹ Disposition of the human remains should occur in the manner provided in §5097.98 of the Public Resources Code. If the Coroner determines that the remains are not subject to his or her authority and 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, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission. As adherence to State regulations is required for all development, no mitigation is required in the unlikely event that human remains were discovered on the site. Therefore, impacts associated with the discovery of human remains would be less than significant . No mitigation is required and further discussion of this topic is not required in the EIR.				
6. GEOLOGY AND SOILS. Would the project:				
a. Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
6i. Response: (Source: General Plan 2025 Figure PS-1 – Regional Fault Zones & General Plan 2025 FPEIR Appendix E – Geotechnical Report) Less than Significant Impact. Seismic activity is to be expected in Southern California. In the City of Riverside, there are no Alquist-Priolo zones. The project site does not contain any known fault lines and the potential for fault rupture is low. No mitigation is required and further discussion of this topic is not required in the EIR.				
ii. Strong seismic ground shaking?	☐	☐	☒	☐
6ii. Response: (Source: General Plan 2025 FPEIR Appendix E – Geotechnical Report) No Impact. The San Jacinto Fault Zone is located northeast of the City, and the Elsinore Fault Zone, located south of the City, have the potential to cause moderate to large earthquakes that would cause intense ground shaking. Because the proposed project only includes demolition of existing buildings direct, indirect, and cumulative impacts associated with strong seismic ground shaking will have a less than significant impact . No mitigation is required and further discussion of this topic is not required in the EIR.				
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
6iii. Response: (Source: General Plan 2025 Figure PS-1 – Regional Fault Zones, Figure PS-2 – Liquefaction Zones, General Plan 2025 FPEIR Figure PS-3 – Soils with High Shrink-Swell Potential, and Appendix E – Geotechnical Report) Less Than Significant Impact. The project site is located in an area with low to moderate liquefaction potential, per the				

¹ Division 7, *Dead Bodies*; Chapter 2, *General Provisions*, § 7050.5, California Health and Safety Code.

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
GP 2025 Liquefaction Zones Map – Figure PS-2. The project site is also not located in an area of high shrink-swell potential, per the GP 2025 Soils with High Shrink Swell Potential Map – Figure PS-3. The project only includes the demolition of the existing buildings. All environmental impacts of future land uses have been previously discussed in the CBUSP MND. Compliance with the demolition permit requirements will ensure that direct, indirect, and cumulative impacts related to seismic-related ground failure, including liquefaction would be less than significant . No mitigation is required and further discussion of this topic is not required in the EIR.				
iv. Landslides?	☐	☐	☒	☐
6iv. Response: <i>(Source: General Plan 2025 FPEIR Figure 5.6-1 – Areas Underlain by Steep Slope, Appendix E – Geotechnical Report, Title 18 – Subdivision Code, and Title 17 – Grading Code)</i> Less than Significant Impact. The project site and its surroundings have generally flat topography and are not located in an area prone to landslides, per Figure 5.6-1 of the General Plan 2025 Program Final PEIR. Therefore, there will be a less than significant impact related to landslides directly, indirectly and cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
6b. Response: <i>(Source: General Plan 2025 FPEIR Figure 5.6-1 – Areas Underlain by Steep Slope, Figure 5.6-4 – Soils, Table 5.6-B – Soil Types, Title 18 – Subdivision Code, and Title 17 – Grading Code)</i> Less Than Significant Impact. Erosion and loss of topsoil could occur as a result of the project. State and Federal requirements call for the preparation and implementation of a Storm Water Pollution Prevention Plan (SWPPP) establishing erosion and sediment controls for construction activities. The project site includes approximately 3.14 acres and therefore, must also comply with the National Pollutant Discharge Elimination System (NPDES) regulations. In addition, the project must comply with the Grading Code (Title 17) which requires the implementation of measures designed to minimize soil erosion. Compliance with State and Federal requirements, and Title 17 will ensure that soil erosion or loss of topsoil will be less than significant impact directly, indirectly and cumulatively. No additional mitigation is required and further discussion of this topic is not required in the EIR.				
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?	☐	☐	☒	☐
6c. Response: <i>(Source: General Plan 2025 Figure PS-1 – Regional Fault Zones, Figure PS-2 – Liquefaction Zones, General Plan 2025 FPEIR Figure PS-3 – Soils with High Shrink-Swell Potential, Figure 5.6-1 - Areas Underlain by Steep Slope, Figure 5.6-4 – Soils, Table 5.6-B – Soil Types, and Appendix E – Geotechnical Report)</i> Less Than Significant Impact. The project site is relatively level and includes the existing Riverside Free Methodist Church buildings. The project is only the demolition of the three existing church buildings. The project site is not subject to high risk of landslides, lateral spreading, subsidence, liquefaction, or collapse. Therefore, impacts related to geologic conditions are reduced to less than significant impact levels directly, indirectly and cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	☐	☒
6d. Response: <i>(Source: General Plan 2025 FPEIR Figure 5.6-4 – Soils, Figure 5.6-4 – Soils, Table 5.6-B – Soil Types, Figure 5.6-5 – Soils with High Shrink-Swell Potential, Appendix E – Geotechnical Report, and California Building Code as adopted by the City of Riverside and set out in Title 16 of the Riverside Municipal Code)</i>				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
No Impact. The project is located on a site that does not have expansive soils and therefore there will be no impact directly, indirectly or cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				
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?	☐	☐	☐	☒
6e. Response: (Source: General Plan 2025 FPEIR Figure 5.6-4 – Soils, and Table 5.6-B – Soil Types) No Impact. There is an existing septic tank system on the project site that was being used by the church. During demolition of the church buildings, the existing septic tanks will be removed and disposed of in accordance to local and State laws and regulations. All future uses on the project site will be connected to the City’s sewer system. Therefore, the project will have no impact on the use of septic or alternate waste disposal systems. No mitigation is required and further discussion of this topic is not required in the EIR.				
7. GREENHOUSE GAS EMISSIONS. Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
7a. Response: Potentially Significant Impact. The proposed project could have a short-term increase in greenhouse gas emissions based on the proposed demolition. A Greenhouse Gas Assessment is being prepared for the project. Greenhouse gas emissions will be further discussed in the EIR and mitigation measures will be identified, where required to reduce impacts.				
b. Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐
7b. Response: Potentially Significant Impact. The proposed project could have a short-term increase in greenhouse gas emissions causing a conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing emissions of greenhouse gases. A Greenhouse Gas Assessment is being prepared for the project. Conflicts with applicable greenhouse gas emission plans, policies, and regulations, will be discussed in the EIR and required mitigation measures will be identified.				
8. HAZARDS & 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?	☒	☐	☐	☐
8a. Response: Potentially Significant Impact. A Phase I Environmental Site Assessment (ESA) has been completed for the project site. This assessment will be used to fully analyze any hazards or hazardous waste impacts in the EIR. The EIR will also identify mitigation measures to reduce significant impacts where identified.				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	☒	☐	☐	☐
8b. Response: Potentially Significant Impact. A Phase I Environmental Site Assessment (ESA) has been completed for the project site. This assessment will be used to fully analyze any hazards or hazardous waste impacts in the EIR. The EIR will also identify mitigation measures to reduce significant impacts where identified.				
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☒	☐	☐	☐
8c. Response: <i>(Source: General Plan 2025 Public Safety and Education Elements, GP 2025 FPEIR Table 5.7-D - CalARP RMP Facilities in the Project Area, Figure 5.13-2 – RUSD Boundaries, Table 5.13-D RUSD Schools, Figure 5.13-3 AUSD Boundaries, Table 5.13-E AUSD Schools, Figure 5.13-4 – Other School District Boundaries, California Health and Safety Code, Title 49 of the Code of Federal Regulations, California Building Code)</i> Potentially Significant Impact. The nearest school to the project site is Riverside Christian High School approximately 0.4 mile west of the project site. Other nearby schools include: Chemawa Middle School approximately 0.5 mile northwest of the project site and Sherman Indian High School approximately 0.6 mile west of the project site. The project site is also bordered by and within the boundary of CBU public/institutional facility land uses to the north and west. A Phase I Environmental Site Assessment has been prepared for the project site and will be used to fully analyze any hazards or hazardous waste impacts to existing or proposed schools in the EIR and identify any required mitigation measures.				
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☒	☐	☐	☐
8d. Response: <i>(Source: General Plan 2025 Figure PS-5 – Hazardous Waste Sites, GP 2025 FPEIR Tables 5.7-A – CERCLIS Facility Information, Figure 5.7-B – Regulated Facilities in TRI Information and 5.7-C – DTSC EnviroStor Database Listed Sites)</i> Potentially Significant Impact. The project site contains three existing church buildings that may contain asbestos. Asbestos is a hazardous material that must be disposed of in a certain manner to keep it from getting into the environment. A Phase I Environmental Site Assessment has been prepared for this project site and will be used to fully analyze any hazards or hazardous waste impacts related to the site being included on a list of hazardous materials sites in the EIR and identify any required mitigation measures.				
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒	☐
8e. Response: <i>(Source: General Plan 2025 Figure PS-6 – Airport Safety Zones and Influence Areas, RCALUCP and March Air Reserve Base/March Inland Port Comprehensive Land Use Plan (1999)).</i> Less than Significant Impact. The project site is located in Zone E of the Riverside Municipal Airport Land Use Plan. Zone E of the Riverside Municipal Airport Land Use Plan has the least amount of restrictions on proposed land uses. General restrictions in Zone E include airspace review for objects greater than 100 feet tall, discouragement of major				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
spectator oriented sports stadiums, amphitheaters, and concert halls, and hazards to flight such as tall objects, electronic forms of interference, and land uses that will may attract birds. The proposed project is the demolition of existing buildings. Therefore, the project does not include any features that are considered a hazard to flight or are not allowed in Zone E. Impacts are less than significant and no mitigation is required. Further discussion of this topic is not required in the EIR.				
f. For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
8f. Response: <i>(Source: General Plan 2025 Figure PS-6 – Airport Safety Zones and Influence Areas, RCALUCP)</i> No Impact. The project site is not located in a private airstrip. Therefore, the project would have no impact related to the safety of people near private airstrips. No mitigation is required.				
g. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
8g. Response: Less than Significant Impact. Demolition activities may temporarily restrict vehicular traffic. As part of the demolition permit the City will require that the developer submit a Traffic Management Plan (TMP) that will provide appropriate measures to facilitate the passage of persons and vehicles through/around any required road closures. Adherence to these measures would reduce potential impacts related to this issue to a less than significant level, and no mitigation is required. No further discussion of this topic is required in the EIR.				
h. Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐		☒
8h. Response: <i>(Source: General Plan 2025 Figure PS-7 – Fire Hazard Areas, GIS Map Layer VHFSZ 2010, City of Riverside’s EOP, 2002, Riverside Operational Area – Multi-Jurisdictional LHMP, 2004 Part 1/Part 2 and OEM’s Strategic Plan)</i> No Impact. The project site is not in or near a fire hazard zone. Therefore, the project would have no impact related to wildland fires and no mitigation is required. Further discussion of this topic is not required in the EIR.				
9. HYDROLOGY AND WATER QUALITY. Would the project:				
a. Violate any water quality standards or waste discharge requirements?	☐	☐	☒	☐
9a. Response: <i>(Source: GP 2025 FPEIR Table 5.8-A – Beneficial Uses Receiving Water)</i> Less Than Significant Impact. The project is located on a 3.14-acre property within the Santa Ana River Watershed. The project site is currently developed with mostly impervious structures and some landscaped areas. The project consists of the demolition of the three existing buildings and will involve site clearing, demolition, and rough grading. The site clearing and grading phases will disturb vegetation and surface soils, potentially resulting in erosion and sedimentation. If left exposed and with no vegetative cover, the site’s bare soil would be subject to additional wind and water erosion. Since the project involves over an acre of ground disturbance, the project is subject to NPDES requirements and must implement a Storm Water Pollution Prevention Plan (SWPPP). Implementation of site-specific BMPs as established by the SWPPP will				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
ensure all impacts related to erosion and sedimentation from ground disturbance are less than significant. Furthermore, no new runoff will be generated from the project because it does not involve an increase in impervious surfaces. Urban runoff is currently and will continue to be conveyed by local drainage facilities developed throughout the City to regional drainage facilities, and then ultimately to the receiving waters. To address potential water contaminants, the project is required to comply with applicable Federal, State, and local water quality regulations. Given compliance with all applicable local, state, and federal laws regulating surface water quality and the fact that the project will not result in a net increase of surface water runoff, the proposed project as designed is anticipated to result in a less than significant impact directly, indirectly or cumulatively to any water quality standards or waste discharge.				
b. Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	☐	☐	☐	☒
9b. Response: <i>(Source: General Plan 2025 Table PF-1 – RPU Projected Domestic Water Supply (AC-FT/YR), Table PF-2 – RPU Projected Water Demand, RPU Map of Water Supply Basins, RPU Urban Water Management Plan)</i> No Impact. The proposed project is located along the border of the Riverside South and Arlington Water Supply Basins. The proposed project only involves the demolition of three buildings on the project site and does not involve any use of groundwater supplies. The project is required comply with all NPDES requirements, which will ensure the proposed project will not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level. Therefore, there will be no impact to groundwater supplies and recharge either directly, indirectly or cumulatively.				
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	☐	☐	☒	☐
9c. Response: Less Than Significant Impact. The project is subject to NPDES requirements; areas of one acre or more of disturbance are subject to preparing and implementing a Storm Water Pollution Prevention Plan (SWPPP) for the prevention of runoff during demolition activities. No existing streams, rivers, or other drainage features exist on the site. Further, drainage patterns on the site would not be altered substantially since the site is already flat and has been previously graded. Therefore, the project will have a less than significant impact directly, indirectly or cumulatively to existing drainage patterns.				
d. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	☐	☐	☐	☒
9d. Response: No Impact. The project will not directly or indirectly result in any activity that would alter the existing drainage pattern of the site, alter the course of a stream or river, or increase the rate or amount of surface runoff in a manner that would result in flooding on- or off-site because the project is limited to the demolition of existing structures. The project is not located within a floodplain. Demolition activities will not increase impervious surfaces at the site, and runoff volumes as a result of the project will be unchanged. Therefore no flooding on or off-site as a result of the project will occur and there will be no				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
impact directly, indirectly or cumulatively that would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.				
e. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒	☐
f. Otherwise substantially degrade water quality?	☐	☐	☒	☐
9e-f. Response: Less Than Significant Impact. The project is over one acre in size and is required to have coverage under the State's General Permit for Construction Activities (SWPPP). As stated in the Permit, during and after construction, best management practices (BMPs) will be implemented to reduce/eliminate adverse water quality impacts resulting from development. Since the project is limited to site preparation, demolition, and grading at the site, all impacts related to runoff will be addressed by the SWPPP. As any sources of stormwater pollution will mitigated through adherence to NPDES permit requirements, the project will not create or contribute runoff water exceeding capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. For these reasons, there will be a less than significant impact directly, indirectly or cumulatively from stormwater exceeding the capacity of existing or planned stormwater drainage systems, substantial additional sources of polluted runoff, or other sources of water quality degradation				
g. Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒
9g. Response: (Source: General Plan 2025 Figure PS-4 – Flood Hazard Areas, and FEMA Flood Hazard Map Number 06065C0720G) No Impact. The project does not involve the construction of housing. There will be no impact caused by this project directly, indirectly or cumulatively as it will not place housing within a 100-year flood hazard area.				
h. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	☐	☐	☐	☒
9h. Response: (Source: General Plan 2025 Figure PS-4 – Flood Hazard Areas, and FEMA Flood Hazard Number 06065C0720G) No Impact. The project site is not located within or near a 100-year flood hazard area as depicted on General Plan 2025 Program FPEIR Figure 5.8-2 – Flood Hazard Areas and the National Flood Insurance Rate Map (Map Number 06065C0720G Effective Date August 28, 2008). Furthermore, the project does not involve the construction of any structures. Therefore, the project will not place a structure within a 100-year flood hazard area that would impede or redirect flood flows and no impact will occur directly, indirectly or cumulatively.				
i. Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☐	☒
9i. Response: (Source: General Plan 2025 Figure PS-4 – Flood Hazard Areas, and FEMA Flood Hazard Number 06065C0720G) No impacts. The project site is located within a dam inundation area as depicted on General Plan 2025 Program FPEIR Figure 5.8-2 – Flood Hazard Areas. The project is located within the Woodcrest Dam inundation area that may be affected in the event of a dam failure. In the event of a dam failure, first flow waters are expected to reach the site in 42 minutes.				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
However, the project is limited only to demolition activities on the site; no structures or habitable dwellings are proposed as part of the project. Therefore, the project will not result in the exposure of structures or people to a significant risk of loss, injury, or death from flooding caused by levee or dam failure and therefore no impact directly, indirectly, or cumulatively will occur.				
j. Inundation by seiche, tsunami, or mudflow?	☐	☐	☐	☒
9j. Response: (Source: GP 2025 FPEIR Chapter 7.5.8 – Hydrology and Water Quality) No Impact. Tsunamis are large waves that occur in coastal areas; therefore, since the City is not located in a coastal area, no impacts due to tsunamis will occur directly, indirectly or cumulatively. The proposed project site and its surroundings have generally flat topography and is within an urbanized area not within proximity to Lake Mathews, Lake Evans, the Santa Ana River, Lake Hills, Norco Hills, Box Springs Mountain Area or any of the 9 arroyos which transverse the City and its sphere of influence. Therefore, no impact potential for seiche or mudflow exists either directly, indirectly or cumulatively.				
10. LAND USE AND PLANNING:				
Would the project:				
a. Physically divide an established community?	☐	☐	☐	☒
10a.Response: (Source: General Plan 2025 Land Use and Urban Design Element, , City of Riverside GIS/CADME map layers) No Impact. The project site is located within the CBUSP. The existing zoning for the site is Mixed Use/Urban. The area west of the project site is zoned Mixed Use/Residential and Mixed Use/Academic, zoning to the east is Mixed Use/Urban, and to the north Mixed Use/Academic. The 91 freeway is located south of the site. The project is the demolition of the existing buildings to prepare the site for future uses that were analyzed in the CBUSP MND. The project is currently served by fully improved public streets and other infrastructure and does not involve the subdivision of land or the creation of streets that could alter the existing surrounding pattern of development or an established community. Therefore, no impact directly, indirectly or cumulatively to an established community will occur. No mitigation is required and further discussion of this topic is not required in the EIR.				
b. Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒
10b. Response: (Source: General Plan 2025, General Plan 2025 Figure LU-10 – Land Use Policy Map, Table LU-5 – Zoning/General Plan Consistency Matrix, Figure LU-7 – Redevelopment Areas, CBU Specific Plan, Title 19 – Zoning Code, Title 18 – Subdivision Code, Title 7 – Noise Code, Title 17 – Grading Code, Title 20 – Cultural Resources Code, Title 16 – Buildings and Construction and Citywide Design and Sign Guidelines) No Impact. The project is the demolition of existing church buildings located within the CBUSP. The CBUSP has been analyzed for its consistency with the City’s General Plan, and the future land use consistency impacts have been previously discussed in the CBUSP MND. The project site is not located within other plan areas and the project is not a project of Statewide, Regional or Areawide Significance. For these reasons, this project will have no impact on an applicable land use plan, policy or regulation directly, indirectly or cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				
c. Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒
10c.Response: (Source: Regional Conservation Authority, http://www.wrc-				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>rca.org/webimages/mshcpsize.pdf)General Plan 2025 – Figure OS-7 – MSHCP Core and Linkage</i> No Impact. The project site is located in the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP). However, according to the General Plan 2025 Open Space Element Figure OS-7, the project site is not located in any MSHCP habitat core or habitat linkage area. In addition, the project site is located in a fully developed urban area and includes the demolition of existing church buildings. All future development of the site has been previously analyzed in the CBUSP MND. For these reasons the project will have no impact on any applicable habitat conservation plan or natural community conservations plans. No mitigation is required and further discussion of this topic is not required in the EIR.				
11. MINERAL RESOURCES. Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
11a. Response: (Source: General Plan 2025 Figure – OS-1 – Mineral Resources) No Impact. State-classified MRZ-2 and MRZ-4 Mineral Resource Zones are shown in Figure 5.10-1, Mineral Resources of the GP 2025 FPEIR. The proposed project is located in MRZ-4, which indicates that there is insufficient data to know whether mineral resources can be found onsite. The project site is currently developed with three buildings and surrounding landscaping. The demolition project will not create ground disturbance beyond which the property has already been exposed to. Therefore, the project will have no impact on regionally or statewide significant mineral resources directly, indirectly, or cumulatively.				
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?	☐	☐	☐	☒
11b. Response: (Source: General Plan 2025 Figure – OS-1 – Mineral Resources) No Impact. The GP 2025 FPEIR determined that there are no specific areas with the City of Sphere Area which have locally-important mineral resource recovery sites and that the implementation of the General Plan 2025 would not significantly preclude the ability to extract state-designated resources. The proposed project is consistent with the General Plan 2025. Therefore, the project will have no impact on locally significant mineral resources directly, indirectly, or cumulatively.				
12. NOISE. Would the project result in:				
a. Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
12a. Response: (Source: General Plan Figure N-1 – 2003 Roadway Noise, Figure N-2 – 2003 Freeway Noise, Figure N-3 – 2003 Railway Noise, Figure N-5 – 2025 Roadway Noise, Figure N-6 – 2025 Freeway Noise, Figure N-7 – 2025 Railroad Noise, Figure N-8 – Riverside and Flabob Airport Noise Contours, FPEIR Table 5.11-I – Existing and Future Noise Contour Comparison, Table 5.11-E – Interior and Exterior Noise Standards, Appendix G – Noise Existing Conditions Report, Title 7 – Noise Code). Potentially Significant Impact. A Noise Study is being prepared for the proposed project and will be used to fully analyze potentially significant noise impacts that may occur during demolition of the on-site buildings in the EIR. Required mitigation measures to reduce significant noise impacts will be identified in the EIR.				
b. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
12b. Response: (Source: General Plan Figure N-1 – 2003 Roadway Noise, Figure N-2 – 2003 Freeway Noise, Figure N-3 – 2003 Railway Noise, Figure N-5 – 2025 Roadway Noise, Figure N-6 – 2025 Freeway Noise, Figure N-7 – 2025 Railroad Noise, Figure N-8 – Riverside and Flabob Airport Noise Contours, FPEIR Table 5.11-G – Vibration Source Levels For Construction Equipment, Appendix G – Noise Existing Conditions Report)				
Potentially Significant Impact. A Noise Study will be prepared for the proposed project and used to fully analyze any potentially significant noise impacts that would generate excessive groundborne vibrations in the EIR. Required mitigation measures to reduce significant vibration noise impacts will be identified in the EIR.				
c. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐
12c. Response: (Source: General Plan Figure N-1 – 2003 Roadway Noise, Figure N-2 – 2003 Freeway Noise, Figure N-3 – 2003 Railway Noise, Figure N-5 – 2025 Roadway Noise, Figure N-6 – 2025 Freeway Noise, Figure N-7 – 2025 Railroad Noise, Figure N-8 – Riverside and Flabob Airport Noise Contours, FPEIR Table 5.11-I – Existing and Future Noise Contour Comparison, Table 5.11-E – Interior and Exterior Noise Standards, Appendix G – Noise Existing Conditions Report, Title 7 – Noise Code).				
Less than Significant Impact. The project site is approximately 90 feet north the 91 Freeway and 0.3 miles north of the metrolink railroad. According to the General Plan Noise Element the project site is within or near the noise contours of the freeway, the railroad, and the Riverside Municipal Airport. However, these are all existing conditions of the site. The proposed project would increase the ambient noise levels in the project vicinity for a short time during demolition of the existing church buildings. After demolition ambient noise levels would return to existing levels. Therefore, the project would have a less than significant impact related to permanent increases in ambient noise levels. No mitigation is required and further discussion of this topic is not required in the EIR.				
d. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☒	☐	☐	☐
12d. Response: (Source: FPEIR Table 5.11-J – Construction Equipment Noise Levels, Appendix G – Noise Existing Conditions Report)				
Potentially Significant Impact. A Noise Study will be prepared for the proposed project. The Environmental Impact Report (EIR) will fully analyze any potentially significant noise impacts related to the project substantially increasing the ambient noise levels in the project vicinity and will identify any required mitigation measures.				
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐
12e. Response: (Source: General Plan 2025 Figure N-8 – Riverside and Flabob Airport Noise Contours.				
Less than Significant Impact. The project site is located in the Riverside Municipal Airport Land Use Plan. However, the project site is outside the Riverside Airport Noise contour. In addition, the only on-site receptors that would be impacted by potential airport noises are construction workers that are not considered sensitive receptors. For these reasons, the project would have a less than significant impact related to airport noise. No mitigation is required and further discussion of this topic is not required in the EIR.				
f. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project	☐	☐	☐	☒

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
area to excessive noise levels?				
12f. Response: <i>(Source: General Plan 2025 Figure PS-6 – Airport Safety Zones and Influence Areas.</i> No Impact. The project site is not within the vicinity of a private airstrip. Therefore, the project would have no impact related to private airstrips. No mitigation is required and further discussion of this topic is not required in the EIR.				
13. POPULATION AND HOUSING. Would the project:				
a. Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
13a. Response: <i>(Source: General Plan 2025 Table LU-3 – Land Use Designations, FPEIR Table 5.12-A – SCAG Population and Households Forecast, Table 5.12-B – General Plan Population and Employment Projections– 2025, Table 5.12-C – 2025 General Plan and SCAG Comparisons, Table 5.12-D - General Plan Housing Projections 2025, Capital Improvement Program and SCAG’s RCP and RTP)</i> No Impact. The project is in an urbanized area and does not propose new homes or businesses that would directly induce substantial population growth, and does not involve the addition of new roads or infrastructure that would indirectly induce substantial population growth because the project consists of the demolition of three existing church buildings. Therefore, this project will have no impact on population growth either directly or indirectly. No mitigation is required and further discussion of this topic is not required in the EIR.				
b. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
13b. Response: <i>(Source: CADME Land Use 2003 Layer, Google imaging etc.)</i> No Impact. The project will not displace existing housing, necessitating the construction of replacement housing elsewhere because the project site is proposed on a previously improved site that has no existing housing located on it that will be removed or affected by the proposed project. The project site does contain three church buildings including a worship center, classrooms, and fellowship hall. The project proposes to demolish these three buildings. However, there will be no impact on existing housing either directly, indirectly or cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				
c. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒
13c. Response: <i>(Source: CADME Land Use 2003 Layer, Google imaging etc.)</i> No Impact. The project will not displace any people, necessitating the construction of replacement housing elsewhere because the project site is proposed on a previously improved site that has no existing housing or residents that will be removed or affected by the proposed project. The former Riverside Free Methodist Church (now known as the California Avenue Christian Fellowship) congregation has relocated to California Avenue within the City of Riverside. Therefore, the project will have no impact on people, necessitating the need for replacement housing either directly, indirectly or cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
14. PUBLIC SERVICES.				
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	☐	☐	☐	☒
14a. Response: (Source: FPEIR Table 5.13-B – Fire Station Locations, Table 5.13-C – Riverside Fire Department Statistics and Ordinance 5948 § 1) No Impact. The project is in an urbanized area and only consists of the demolition of existing structures at the project site. Adequate fire facilities and services are provided by Station 10 located at 2590 Jefferson Street to serve this project. This project will not result in the intensification of land use and there will be no impact directly, indirectly or cumulatively created by the construction of new or expansion of existing fire service facilities caused by the increase in the demand for fire facilities or services.				
b. Police protection?	☐	☐	☐	☒
14b. Response: (Source: General Plan 2025 Figure PS-8 – Neighborhood Policing Centers) No Impact. The project is in an urbanized area and only consists of the demolition of existing structures. Adequate police facilities and services are provided by Neighborhood Policing Center (Lincoln Station) located 8181 Lincoln Avenue to serve this project. Therefore, this project will not result in the intensification of land use and there will be no impact directly, indirectly or cumulatively created by the construction of new or expansion of existing police protection facilities caused by the increase in the demand for police facilities or services.				
c. Schools?	☐	☐	☐	☒
14c. Response: (Source: FPEIR Figure 5.13-2 – RUSD Boundaries, Table 5.13-D – RUSD, Figure 5.13-3 – AUSD Boundaries, Table 5.13-E – AUSD, Table 5.13-G – Student Generation for RUSD and AUSD By Education Level, and Figure 5.13-4 – Other School District Boundaries) No Impact. The project is non-residential use that will not involve the addition of any housing units that would increase numbers of school age children. Therefore, there will be no impact directly, indirectly or cumulatively created by the construction of new or expansion of existing school facilities caused by the increase in the demand for school facilities or services.				
d. Parks?	☐	☐	☐	☒
14d. Response: (Source: General Plan 2025 Figure PR-1 – Parks, Open Spaces and Trails, Table PR-4 – Park and Recreation Facilities, Parks Master Plan 2003, GP 2025 FPEIR Table 5.14-A – Park and Recreation Facility Types, and Table 5.14-C – Park and Recreation Facilities Funded in the Riverside Renaissance Initiative) No Impact. The project is a non-residential use that will not involve the addition of any housing units that would increase the population. Therefore, there will be no impact directly, indirectly or cumulatively created by the construction of new or expansion of existing park facilities caused by the increase in the demand for park facilities or services.				
e. Other public facilities?	☐	☐	☐	☒
14e. Response: (Source: General Plan 2025 Figure LU-8 – Community Facilities, FPEIR Figure 5.13-5 - Library Facilities, Figure 5.13-6 - Community Centers, Table 5.3-F – Riverside Community Centers, Table 5.13-H –				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Riverside Public Library Service Standards</i> No Impact. The project only consists of the demolition of existing structures at the proposed site. The services of other public facilities, such as libraries and communities centers, would not be affected by demolition activities. Therefore, this project will not result in the intensification of land use and there will be no impact directly, indirectly or cumulatively created by the construction of new or expansion of existing other public facilities caused by the increase in the demand for public facilities or services.				
15. 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?	☐	☐	☐	☒
15a. Response: <i>(Source: General Plan 2025 Figure PR-1 – Parks, Open Spaces and Trails, Table PR-4 – Park and Recreation Facilities, Figure CCM-6 – Master plan of Trails and Bikeways, Parks Master Plan 2003, FPEIR Table 5.14-A – Park and Recreation Facility Types, and Table 5.14-C – Park and Recreation Facilities Funded in the Riverside Renaissance Initiative, Table 5.14-D – Inventory of Existing Community Centers, Riverside Municipal Code Chapter 16.60 - Local Park Development Fees, Bicycle Master Plan May 2007)</i> No Impact. The CBUSP MND analyzed the Mixed Use/Urban land uses that may be built on the demolition site in the future. The proposed project is the demolition of existing church buildings. The proposed project does not include any uses that would increase the existing neighborhood and regional parks and therefore this project will have no impact directly, indirectly or cumulatively on existing neighborhood and regional parks. No mitigation is required and further discussion of this topic is not required in the EIR.				
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?	☐	☐	☐	☒
15b. Response: No Impact. The project is the demolition of the existing church buildings and will not include new recreational facilities or require the construction or expansion of recreational facilities; therefore, there will be no impact directly, indirectly or cumulatively. No mitigation is required and further discussion of this topic is not required in the EIR.				
16. TRANSPORTATION/TRAFFIC.				
Would the project result in:				
a. Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	☒	☐	☐	☐
16a. Response: <i>(Source: General Plan 2025 Figure CCM-4 – Master Plan of Roadways, FPEIR Figure 5.15-4 – Volume to Capacity (V/C) Ratio and Level of Service (LOS) (Typical 2025), Table 5.15-D – Existing and Future Trip Generation Estimates, Table 5.15-H – Existing and Typical Density Scenario Intersection Levels of Service, Table 5.15-I – Conceptual General Plan Intersection Improvement Recommendations, Table 5.15-J – Current Status of Roadways Projected to Operate at LOS E or F in 2025, Table 5.15.-K – Freeway Analysis</i>				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<i>Proposed General Plan, Appendix H – Circulation Element Traffic Study and Traffic Study Appendix, SCAG's RTP)</i> Potentially Significant Impact. A project specific Traffic Impact Analysis is being prepared for the proposed project to address construction traffic during demolition. Traffic impacts related to applicable plans, ordinances, or policies will be fully analyzed in the EIR and required mitigation measures will be identified.				
b. Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	☒	☐	☐	☐
16b. Response: (Source: General Plan 2025 Figure CCM-4 – Master Plan of Roadways, FPEIR Figure 5.15-4 – Volume to Capacity (V/C) Ratio and Level of Service (LOS) (Typical 2025), Table 5.15-D – Existing and Future Trip Generation Estimates, Table 5.15-H – Existing and Typical Density Scenario Intersection Levels of Service, Table 5.15-I – Conceptual General Plan Intersection Improvement Recommendations, Table 5.15-J – Current Status of Roadways Projected to Operate at LOS E or F in 2025, Table 5.15-K – Freeway Analysis Proposed General Plan, Appendix H – Circulation Element Traffic Study and Traffic Study Appendix, SCAG's RTP) Potentially Significant Impact. A project specific Traffic Impact Analysis is being prepared for the proposed project to address construction traffic during demolition. Traffic impacts related to applicable congestion management programs will be fully analyzed in the EIR and required mitigation measures will be identified.				
c. Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☐	☒
16c. Response: (Source: General Plan 2025 Figure PS-6 – Airport Safety Zones and Influence Areas) No Impact. The project site is located in the Riverside Municipal Airport land use plan. However, the project is the demolition of an existing building that is not located on airport property. Therefore, the project will have no impact on air traffic patterns. No mitigation is required and further discussion of this topic is not required in the EIR.				
d. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
16d. Response: (Source: Project Site Plans) No Impact. The proposed project does not include any new roadways. The project includes only the demolition of existing church buildings. Therefore, the project will have no impact that will substantially increase hazards due to a design feature or incompatible use. No mitigation is required and further discussion of this topic is not required in the EIR.				
e. Result in inadequate emergency access?	☐	☐	☒	☐
16e. Response: (Source: California Department of Transportation Highway Design Manual, Municipal Code, and Fire Code) Less than Significant Impact. Demolition activities may temporarily restrict vehicular traffic. As part of the demolition permit the City will require that the developer submit a Traffic Management Plan (TMP) that will provide appropriate measures to facilitate the passage of persons and vehicles through/around any required road closures. Adherence to these measures would reduce potential impacts related to this issue to a less than significant level, and no mitigation is required.				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
No further discussion of this topic is required in the EIR.				
f. Conflict with adopted policies, plans or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities)?	☐	☐	☐	☒
16f. Response: <i>(Source: FPEIR, General Plan 2025 Land Use and Urban Design, Circulation and Community Mobility and Education Elements, Bicycle Master Plan, School Safety Program – Walk Safe! – Drive Safe!)</i> No Impact. The proposed project does not include any new roads, buildings, or need for mass transit, bicycle, or pedestrian facilities. Therefore, the project would have no impact on any adopted policies, plans, or programs related to public transit, bicycle, or pedestrian facilities. No mitigation is required and further discussion of this topic is not required in the EIR.				
17. UTILITIES AND SYSTEM SERVICES.				
Would the project:				
a. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☐	☒
17a. Response: <i>(Source: General Plan 2025 Figure PF-2 – Sewer Facilities Map, FPEIR Figure 5.16-5 – Sewer Service Areas, Table 5.16-K - Estimated Future Wastewater Generation for the City of Riverside’s Sewer Service Area, Figure 5.8-1 – Watersheds, Wastewater Integrated Master Plan and Certified EIR)</i> No Impact. The project is within the boundaries of the Santa Ana Regional Water Quality Control Board. Wastewater in the surrounding area is transported to the Riverside Regional Water Quality Treatment Plant. Currently, the church facility at the project site is served by an on-site septic system. The proposed project will remove the septic system. The project also consists of demolition, site clearing, and rough grading of the site. Since the project does not include any connection to wastewater utilities, it will have no effect on demand of wastewater treatment. Therefore, the project will not exceed wastewater treatment requirements of the Regional Water Quality Control Board (RWQCB), and there will be no impact directly, indirectly or cumulatively to wastewater treatment.				
b. Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	☒
17b. Response: <i>(Source: General Plan 2025 Table PF-1 – RPU PROJECTED DOMESTIC WATER Supply (AC-FT/YR), Table PF-2 – RPU Projected Water Demand, RPU, FPEIR Table 5.16-G – General Plan Projected Water Demand for RPU Including Water Reliability for 2025, Table 5.16-K - Estimated Future Wastewater Generation for the City of Riverside’s Sewer Service Area, Figure 5.16-4 – Water Facilities and Figure 5.16-6 – Sewer Infrastructure and Wastewater Integrated Master Plan and Certified EIR.)</i> No Impact. The project will not result in the construction of new or expanded water or wastewater treatment facilities. The project is consistent with the Typical Growth Scenario of the General Plan 2025 where future water and wastewater generation was determined to be adequate (see Tables 5.16-E, 5.16-F, 5.16-G, 5.16-H, 5.16-I, 5.16-J and 5.16-K of the General Plan 2025 Final PEIR). Therefore, the project will have no impact resulting in the construction of new water or wastewater treatment facilities or the expansion of existing facilities directly, indirectly or cumulatively.				
c. Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	☒

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
17c. Response: (Source: FPEIR Figure 5.16-2 - Drainage Facilities) No Impact. The project is located on a previously developed/improved site within an urbanized area where no increase in impervious surfaces will occur that would require or result in the construction of new storm water drainage facilities or expansion of existing facilities. Therefore, the project will have no impact resulting in the construction of new storm water drainage facilities or the expansion of existing facilities directly, indirectly or cumulatively.				
d. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☐	☐	☐	☒
17d. Response: (Source: FPEIR Figure 5.16-3 – Water Service Areas, Figure 5.16-4 – Water Facilities, Table 5.16-E – RPU Projected Domestic Water Supply (AC-FT/YR, Table 5.16-F – Projected Water Demand, Table 5.16-G – General Plan Projected Water Demand for RPU including Water Reliability for 2025) No Impact. The project will not create any demand for water. The project only consists of demolition, site clearing, and rough grading, with no connection to domestic water supply. The project is consistent with the General Plan 2025 Typical Growth Scenario where future water supplies were determined to be adequate (see Tables t.16-E, 5.16-F, 5.16-G, 5.16-H, 5.16-I and 5.16-J of the General Plan 2025 Final PEIR). Therefore, the project will have no impact resulting in the insufficient water supplies either directly, indirectly or cumulatively.				
e. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☐	☒
17e. Response: (Source: FPEIR Figure 5.16-5 - Sewer Service Areas, Figure 5.16-6 -Sewer Infrastructure, Table 5.16-K - Estimated Future Wastewater Generation for the City of Riverside's Sewer Service Area, and Wastewater Integrated Master Plan and Certified EIR) No Impact. The project only consists of demolition activities. No connection to or use of wastewater treatment facilities will occur as part of the project. Since the project will not generate wastewater, there will be no impact to wastewater treatment directly, indirectly or cumulatively.				
f. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	☒	☐
17f. Response: (Source: FPEIR Table 5.16-A – Existing Landfills and Table 5.16-M – Estimated Future Solid Waste Generation from the Planning Area, CalEEMod Appendix A) Less than Significant Impact. The project includes the demolition of three existing buildings on-site, covering an area of 9642 square feet. Debris from the project will be transported to the Badlands Landfill, located east of the City of Moreno Valley. Badlands Landfill has a current remaining capacity of 8.3 million tons, and maximum daily load of 4,000 tons per day, and an average daily load of 2,195 tons per day. Based on the building area, approximately 443.5 tons of debris will be generated by demolition activities². Per the California Green Building Code, a minimum of 50 percent of these debris shall be diverted. Therefore, no more than a total of approximately 221.75 tons, or an average of 44.35 per day, shall be sent to the Badlands Landfill. Based on the capacity and daily load of the landfill, it has sufficient permitted capacity to accommodate the project's solid waste disposal needs. Therefore, impacts to landfill capacity directly, indirectly or cumulatively will be less than significant.				
g. Comply with federal, state, and local statutes and	☐	☐	☐	☒

² Based on CalEEMod estimates provided in CalEEMod Appendix A (<http://www.aqmd.gov/docs/default-source/caleemod/caleemod-appendixa.pdf?sfvrsn=2>)

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
regulations related to solid waste?				
17g. Response: (Source: California Integrated Waste Management Board 2002 Landfill Facility Compliance Study)				
No Impact. The California Integrated Waste Management Act under the Public Resource Code requires that local jurisdictions divert at least 50% of all solid waste generated by January 1, 2000. The City is currently achieving a 60% diversion rate, well above State requirements. In addition, the California Green Building Code requires all developments to divert 50% of non-hazardous construction and demolition debris for all projects and 100% of excavated soil and land clearing debris for all non-residential projects beginning January 1, 2011. The proposed project must comply with the City's waste disposal requirements as well as the California Green Building. For these reasons, the project would not conflict with any Federal, State, or local regulations related to solid waste. Therefore, no impacts related to solid waste statutes will occur directly, indirectly or cumulatively.				
18. MANDATORY FINDINGS OF SIGNIFICANCE.				
a. Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or an endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
18a. Response: Potentially Significant Impact. The proposed project's impacts to biological resources and historical resources will be analyzed in the required EIR. Therefore, impacts to biological resources and historical resources could be potentially significant. Any required mitigation measures will be included in the EIR.				
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)?	☒	☐	☐	☐
18b. Response: Potentially Significant Impact. The proposed project's potential cumulative impacts to Air Quality, Biological Resources, Cultural Resources, Hazards and Hazardous Waste, Noise, and Traffic will be analyzed in EIR and any mitigation measures related to cumulative impacts will be identified in the EIR. All other cumulative topics have been fully analyzed in this Initial Study and have been determined to be less than significant.				
c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐
18c. Response: Potentially Significant Impact. Impacts related to air pollution and greenhouse gas emissions, noise, and hazards and hazardous waste that could potentially effect human beings directly or indirectly will be analyzed in the EIR. Therefore, these impacts are potentially significant and mitigation measures will be identified in the EIR, where required. However, it should be noted that effects on human beings related to flooding or flood zones have been addressed in this Initial Study in responses 9g, 9h, 9i. In addition, potential effects on humans from seismic related hazards have been addressed in responses 6a and 6c. These topics have been determined to be less than significant and no further discussion will be				

ISSUES (AND SUPPORTING INFORMATION SOURCES):	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
included in the EIR.				

Note: Authority cited: Sections 21083 and 21087, Public Resources Code. Reference: Sections 21080(c), 21080.1, 21080.3, 21082.1, 21083, 21083.3, 21093, 21094, 21151, Public Resources Code; Sundstrom v. County of Mendocino, 202 Cal.App.3d 296 (1988); Leonoff v. Monterey Board of Supervisors, 222 Cal.App.3d 1337 (1990).



City of Arts & Innovation

COMMUNITY DEVELOPMENT DEPARTMENT

Planning Division

Notice of Preparation

TO: See attached list

FROM LEAD AGENCY:

Teri Delcamp, Senior Planner
City of Riverside
Community Development Dept.
Planning Division
3900 Main Street, 3rd floor
Riverside, CA 92522

DATE: December 2, 2014

SUBJECT: Notice of Preparation of a Draft Environmental Report (EIR) for the Proposed Demolition of the Riverside Free Methodist Church

The City of Riverside will be the Lead Agency and will prepare an Environmental Impact Report (EIR) for the proposed demolition of the Riverside Free Methodist Church located at 8431 Diana Avenue (Project). The City needs to know the views of you or your agency or organization as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the proposed Project. If applicable, your agency will need to use the EIR prepared by our Agency when considering your permit or other approval for the Project.

The project description, project setting/location, and the potential environmental effects are contained in the attached materials. A copy of the initial Study, regional and local vicinity maps, topographic map and other related plans are attached.

Due to time limits mandated by State law, your response must be sent at the earliest possible date **but no later than 30 days** after receipt of this notice.

Please send your response to Teri Delcamp, at the address shown above. We will need the name and contact person in your agency. If you have any questions, please contact Teri Delcamp at 951-826-2117 or via e-mail at tdelcamp@riversideca.gov.

PROJECT TITLE: Riverside Free Methodist Church Demolition Project – Planning Cases P13-0685 (Certificate of Appropriateness) and P13-0852 (Environmental Impact Report)

PROJECT APPLICANT: Steve Smith, California Baptist University

PROJECT DESCRIPTION: The proposed project is the demolition by California Baptist University (CBU) of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue in the City of Riverside in western Riverside County (see attached Figure 1, Regional Location and Project Vicinity). The proposed project site consists of 3.14 acres and is developed as a church facility with a 3,942 square foot sanctuary and 2,340 square foot fellowship hall constructed in 1963-64 and a 3,360 square foot education building constructed in 1979. The site contains improvements consisting of a paved parking lot, concrete walkways, ornamental landscaping, a tot lot, and an undeveloped area. The project site is further identified by Assessor Parcel Number 231-070-007 and USGS Map, Riverside Quad, T3S, R5W, portions of Sections 5 and 8 of SBBM. Please refer to attached Figure 2, showing the location of the site on an aerial view of the project vicinity.

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

The proposed project site lies within the California Baptist University Specific Plan, (CBUSP) and is designated as Mixed Use/Urban under the CBUSP. In 2013, the City of Riverside adopted a Mitigated Negative Declaration (MND) in conjunction with the CBUSP. The MND evaluated potential impacts within the CBUSP project area that included aesthetics, biological resources, greenhouse gas emissions, air quality, land use planning, population and housing, transportation, cultural resources, hazards and hazardous materials, utility services, public services, geology and soils, hydrology, noise, and recreation. The technical, economic, and environmental characteristics evaluated in the MND remain relevant to the proposed project with the exception of an impact upon a cultural resource.

The church facility was evaluated for historical significance in a Cultural Resources survey completed with the CBUSP. The church facility site was found to be eligible for designation as a City Landmark under criteria of Title 20 of the Riverside Municipal Code. Although the church facility is included in the CBUSP, the demolition of the church facility was not analyzed in the MND since CBU did not own the property at the time the MND was adopted. CBU subsequently acquired the property. The proposed project does not identify a replacement use at this time. Any future use shall be consistent with the uses allowed in the CBUSP.

The proposed project will consist of site clearing, building removal, and rough grading and will take approximately two to three months. The proposed project is anticipated to occur in the latter half of 2015. The church facility has been served by an on-site septic system. This system will be removed under the proposed project, and any future development will be connected to the City's sewer system.

A Certificate of Appropriateness in accordance with Title 20 of the Riverside Municipal Code is required in order to implement the proposed project, and is the entitlement for which the EIR will be prepared. Public hearings on the Certificate of Appropriateness and the Environmental Impact Report will be scheduled in the future with the Cultural Heritage Board, Planning Commission and City Council.

PROJECT SETTING/LOCATION

The proposed project site consists of 3.14 acres and is developed as a church facility with a 3,942 square foot sanctuary and 2,340 square foot fellowship hall constructed in 1963-64 and a 3,360 square foot education building constructed in 1979. The site contains improvements consisting of a paved parking lot, concrete walkways, ornamental landscaping a tot lot, and an undeveloped area.

The project is located in a highly developed, urban area. Surrounding land uses and roadways are shown in the following table.

	Existing Land Use	General Designation	Plan	Zoning Designation
Project Site	Riverside Free Methodist Church	CBU Specific Plan		Mixed Use/Urban
North	CBU Facilities Planning	CBU Specific Plan		Mixed Use/Academic
East	Commercial retail buildings	CBU Specific Plan		Mixed Use/Urban
South	State Route 91	N/A		N/A
West	CBU on-campus apartments	CBU Specific Plan		Mixed Use/Residential

POTENTIAL ENVIRONMENTAL ISSUES OF CONCERN

For the proposed project, issues of concern include potentially significant impacts to air quality, biological resources, cultural resources, greenhouse gas emissions, hazards and hazardous materials, noise, transportation/traffic and mandatory findings of significance. These issues will be addressed in the forthcoming Draft EIR. See the attached Initial Study.

SIGNATURE: Teri Delcamp
TITLE: Teri Delcamp, Historic Preservation Senior Planner
TELEPHONE: 951-826-2117
DATE: 12-2-2014

ATTACHMENTS:

1. Figure 1: Regional Location and Project Vicinity
2. Figure 2: Aerial View of Project Site and Vicinity

Paul Hamilton, Building Division
City of Riverside, CDD
3900 Main Street, 3rd Floor
Riverside, CA 92522

Margaret Albanese Attn: Fire Prevention
City of Riverside, Fire Department
3900 Main Street, 3rd Floor
Riverside, CA 92522

Rob VanZanten
City of Riverside, Public Works
3900 Main Street, 4th Floor
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Matt Bates, Water Engineer
City of Riverside, Public Utilities
Mission Square Building
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Riverside, CA 92501

Electrical Engineering
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Toni Redman
City of Riverside, Public Utilities
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Summer Delgado, Electric Eng., Sys. Planning
City of Riverside, Public Utilities
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Riverside, CA 92501

Scott Walter Wheaton, Project Manager
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4495 Howard Avenue
Riverside, CA 92507

AT&T California
Susan Blackburn, AT&T Substructure Desk
1265 Van Buren Blvd., Rm 180
Anaheim, CA 92807

AT&T
SAG (Street Address Guide)
4331 Communications Dr., Rm 2-W-074
Dallas, TX 75211

Orin Williams
Director of Maintenance & Operations
Riverside Unified School Dist
3070 Washington Street
Riverside, CA 92504

Riverside Unified School District
Director of Planning
3070 Washington Street
Riverside, CA 92504

Randy McDaniel, Project Manager
City of Riverside, Park and Recreation
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Riverside, CA 92506

Robert Filiar
City of Riverside, Public Works Corp. Yard
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Riverside, CA 92504

David Welch, Real Property Services,
City of Riverside, Development Department
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Northwest Mosquito & Vector Control Dist
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Corona, CA 92881

Charter Communications
7337 Central Avenue
Riverside, CA 92504

Ms. Rebecca De Leon
Environmental Planning Team
The Metropolitan Water District of So. CA
700 N. Alameda Street, US3-230
Los Angeles, CA 90012

Southern California Edison Company
Karen Cadavona
Third Party Environmental Review
2244 Walnut Grove Avenue
Rosemead, CA 91770
Karen.cadavona@sce.com

Western Riverside County Regional
Conservation Authority (RCA)
3403 10th Street, Ste. 320
P.O. Box 1667
Riverside, CA 92502-1667

Cindy Roth
Greater Riverside Chambers of Commerce
3985 University Avenue
Riverside, CA 92501

John Guerin
County of Riverside ALUC
4080 Lemon Street, 14th Floor
Riverside, CA 92501

Steve Lech, President
Riverside Historical Society
P.O. Box 246
Riverside, CA 92502

Center on Deafness-Inland Empire
3576 Arlington Ave., Ste 211
Riverside, CA 92506

Western Riverside County Regional
Conservation Authority
Riverside Centre Building
3403 10th Street, Ste. 320
Riverside, CA 92501

Dr. M.C. Hall Coordinator
Eastern Information Center
Attn: Rachel Jacobus
c/o Dept of Anthropology
University of California Riverside
Riverside, CA 92521-0418

Ray Hicks, Region Manager
Local Public Affairs
Southern California Edison
26100 Menifee Rd
Menifee, CA 92585

Chris Cannon, Director of Environmental Mgmt
City of Los Angeles Harbor Department
P.O. Box 151
425 S. Palos Verdes Street
San Pedro, CA 90731-0151

Department of Toxic Substances Control
Rafiq Ahmed
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Cypress, CA 90630

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Rosalyn Squires
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Kevin Kuennen
Project Manager – Gas Transmission
The Gas Company
151 E. First Street
Beaumont, CA 92223

Steve Smith
South Coast Air Quality
Management District
21605 Copley Drive
Diamond Bar, CA 91765

Ray Hussey

From: Guerin, John <JGUERIN@rctlma.org>
Sent: Wednesday, December 31, 2014 5:00 PM
To: Delcamp, Teri
Cc: Cooper, Ed; Santos, Barbara
Subject: City Planning Case Nos. P13-0685 and P13-0852 - NOP of Draft EIR - Demolition of Riverside Free Methodist Church facilities located at 8431 Diana Avenue

Thank you for sending the Riverside County Airport Land Use Commission (ALUC) a CD copy of the Notice of Preparation and Initial Study for the project identified above, involving the demolition of buildings located at 8431 Diana Avenue in the City of Riverside, on the grounds of the California Baptist University campus. As the initial study acknowledges, the site is within Airport Compatibility Zone E of the Riverside Municipal Airport Influence Area. However, demolition of buildings does not result in an increase in population intensity, increase the number of people subject to aircraft noise, or result in a hazard to flight. Therefore, we agree with the statement in the Initial Study that the project will have a less-than-significant impact on airports and aviation, and that this issue need not be addressed in the Environmental Impact Report.

John Guerin, Principal Planner
Riverside County Airport Land Use Commission Staff
4080 Lemon Street, 14th Floor
Riverside CA 92501
(951) 955-0982

DEPARTMENT OF TRANSPORTATION

DISTRICT 8

PLANNING

464 WEST 4th STREET, 6th Floor MS 725

SAN BERNARDINO, CA 92401-1400

PHONE (909) 383-4557

FAX (909) 383-6890

TTY (909) 383-6300



*Serious drought
Help save water!*

December 22, 2014

Teri Delcamp
City of Riverside
Historic Preservation Senior Planner
3900 Main Street, 3rd Floor
Riverside, CA 92522

Riverside Free Methodist Church Demolition Project - Riv-91-15.623

Ms. Delcamp,

We have completed our review for the above mentioned proposed project for the demolition by California Baptist University of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue.

As the owner and operator of the State Highway System (SHS), it is our responsibility to coordinate and consult with local jurisdictions when proposed development may impact our facilities. Under the California Environmental Quality Act (CEQA), we are required to make recommendations to offset associated impacts with the proposed project. Although the project is under the jurisdiction of the City of Riverside due to the Project's potential impact to State facilities it is also subject to the policies and regulations that govern the SHS.

It appears that this project will have no lasting effects on the State Highway System (SHS) and therefore we have no further comments at this time. However, should the proposed project be modified in any way we ask that you please forward copies of revised plans as necessary to Caltrans so that we may reevaluate potential impacts to the SHS.

We appreciate the opportunity to offer comments concerning this project. If you have any questions regarding this letter, please contact Talvin Dennis at (909) 806-3957 or myself at (909) 383-4557 for assistance.

Sincerely,

A handwritten signature in black ink that reads "Mark Roberts".

Mark Roberts
Office Chief
Intergovernmental Review, Community and Regional Planning

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and mobility"

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



December 5, 2014

Teri Delcamp
City of Riverside
3900 Main Street, 3rd Floor
Riverside, CA 92522

RE: SCH# 2014121011 Riverside Free Methodist Church Demolition Project, Riverside County.

Dear Ms. Delcamp,

The Native American Heritage Commission (NAHC) has reviewed the Notice of Preparation (NOP) referenced above. The California Environmental Quality Act (CEQA) states that any project that causes a substantial adverse change in the significance of an historical resource, which includes archeological resources, is a significant effect requiring the preparation of an EIR (CEQA Guidelines 15064(b)). To comply with this provision the lead agency is required to assess whether the project will have an adverse impact on historical resources within the area of project effect (APE), and if so to mitigate that effect. To adequately assess and mitigate project-related impacts to archaeological resources, the NAHC recommends the following actions:

- ✓ Contact the appropriate regional archaeological Information Center for a record search. The record search will determine:
 - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
 - If any known cultural resources have already been recorded on or adjacent to the APE.
 - If the probability is low, moderate, or high that cultural resources are located in the APE.
 - If a survey is required to determine whether previously unrecorded cultural resources are present.
- ✓ If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure.
 - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- ✓ Contact the Native American Heritage Commission for:
 - A Sacred Lands File Check. USGS 7.5-minute quadrangle name, township, range, and section required
 - A list of appropriate Native American contacts for consultation concerning the project site and to assist in the mitigation measures. Native American Contacts List attached
- ✓ Lack of surface evidence of archeological resources does not preclude their subsurface existence.
 - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) Guidelines §15064.5(f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
 - Lead agencies should include in their mitigation plan provisions for the disposition of recovered cultural items that are not burial associated, which are addressed in Public Resources Code (PRC) §5097.98, in consultation with culturally affiliated Native Americans.
 - Lead agencies should include provisions for discovery of Native American human remains in their mitigation plan. Health and Safety Code §7050.5, PRC §5097.98, and CEQA Guidelines §15064.5(e), address the process to be followed in the event of an accidental discovery of any human remains and associated grave goods in a location other than a dedicated cemetery.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gayle Totton".

Gayle Totton
Associate Government Program Analyst

CC: State Clearinghouse

**Native American Tribal Government Consultation List
Riverside County
December 5, 2014**

Cabazon Band of Mission Indians
Doug Welmas, Chairperson
84-245 Indio Springs Parkway Cahuilla
Indio , CA 92203

(760) 342-2593
(760) 347-7880 Fax

Augustine Band of Cahuilla Mission Indians
Mary Ann Green, Chairperson
P.O. Box 846 Cahuilla
Coachella , CA 92236

(760) 398-4722
(760) 369-7161 Fax

Los Coyotes Band of Mission Indians
Shane Chapparosa, Chairman
P.O. Box 189 Cahuilla
Warner Springs , CA 92086

(760) 782-0711
(760) 782-2701 Fax

Morongo Band of Mission Indians
Denisa Torres, Cultural Resources Manager
12700 Pumarra Road Cahuilla
Banning , CA 92220 Serrano

dtorres@morongo-nsn.gov
(951) 572-6004 Fax

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539

admin@ramonatribes.com

(951) 763-4105
(951) 763-4325 Fax

Torres-Martinez Desert Cahuilla Indians
Matthew Krystal, Cultural Resources Manager
P.O. Box 1160 Cahuilla
Thermal , CA 92274

mkkrystal@tmdci-nsn.gov

(760) 397-0300
(760) 409-2987 Cell

Torres-Martinez Desert Cahuilla Indians
Mary Resvaloso, Chairperson
P.O. Box 1160 Cahuilla
Thermal , CA 92274

mresvaloso@torresmartinez.org

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(760) 397-8146 Fax

Cabazon Band of Mission Indians
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84-245 Indio Springs Parkway Cahuilla
Indio , CA 92203

jstapp@cabazonindians-nsn.gov

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(760) 347-7880 Fax

Santa Rosa Band of Mission Indians
John Marcus, Chairman
P.O. Box 391820 Cahuilla
Anza , CA 92539

(951) 659-2700
(951) 659-2228 Fax

Los Coyotes Band of Cahuilla and Cupeno Indians
Tribal Administrator
P.O. Box 189 Cahuilla
Warner Springs , CA 92086

(760) 782-0711
(760) 782-2701 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Government Code Section 65352.3 and 65362.4, et seq.

**Native American Tribal Government Consultation List
Riverside County
December 5, 2014**

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(951) 763-4325 Fax

Agua Caliente Band of Cahuilla Indians THPO
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(760) 699-6924 Fax

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(951) 763-4325 Fax

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(916) 369-7161 Fax

Santa Rosa Band of Mission Indians
Terry Hughes, Tribal Administrator
P.O. Box 609 Cahuilla
Hemet , CA 92546
tkentucky@aol.com
(951) 658-5311
(951) 658-6733 Fax

Cahuilla Band of Indians
Luther Salgado, Chairperson
P.O. Box 391760 Cahuilla
Anza , CA 92539
Chairman@cahuilla.net
(760) 763-5549
(760) 763-2631 Tribal EPA

Agua Caliente Band of Cahuilla Indians
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Palm Springs , CA 92262
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(760) 325-0593 Fax

Ernest H. Siva
Morongo Band of Mission Indians Tribal Elder
9570 Mias Canyon Road
Banning , CA 92220 Serrano
siva@dishmail.net Cahuilla
(951) 849-4676

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable only for consultation with Native American tribes under Government Code Section 65352.3 and 65362.4, et seq.



**South Coast
Air Quality Management District**
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

December 10, 2014

Teri Delcamp, Historic Preservation Senior Planner
City of Riverside
3900 Main St., 3rd Floor
Riverside, CA 92522

**Notice of Preparation of a CEQA Document for the
Riverside Free Methodist Church Demolition Project**

The South Coast Air Quality Management District (SCAQMD) staff appreciates the opportunity to comment on the above-mentioned document. The SCAQMD staff's comments are recommendations regarding the analysis of potential air quality impacts from the proposed project that should be included in the draft CEQA document. Please send the SCAQMD a copy of the CEQA document upon its completion. Note that copies of the Draft EIR that are submitted to the State Clearinghouse are not forwarded to the SCAQMD. Please forward a copy of the Draft EIR directly to SCAQMD at the address in our letterhead. **In addition, please send with the draft EIR all appendices or technical documents related to the air quality and greenhouse gas analyses and electronic versions of all air quality modeling and health risk assessment files. These include original emission calculation spreadsheets and modeling files (not Adobe PDF files). Without all files and supporting air quality documentation, the SCAQMD will be unable to complete its review of the air quality analysis in a timely manner. Any delays in providing all supporting air quality documentation will require additional time for review beyond the end of the comment period.**

Air Quality Analysis

The SCAQMD adopted its California Environmental Quality Act (CEQA) Air Quality Handbook in 1993 to assist other public agencies with the preparation of air quality analyses. The SCAQMD recommends that the Lead Agency use this Handbook as guidance when preparing its air quality analysis. Copies of the Handbook are available from the SCAQMD's Subscription Services Department by calling (909) 396-3720. More recent guidance developed since this Handbook was published is also available on SCAQMD's website here: [http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-\(1993\)](http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993)). SCAQMD staff also recommends that the lead agency use the CalEEMod land use emissions software. This software has recently been updated to incorporate up-to-date state and locally approved emission factors and methodologies for estimating pollutant emissions from typical land use development. CalEEMod is the only software model maintained by the California Air Pollution Control Officers Association (CAPCOA) and replaces the now outdated URBEMIS. This model is available free of charge at: www.caleemod.com.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the project and all air pollutant sources related to the project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, that is, sources that generate or attract vehicular trips should be included in the analysis.

The SCAQMD has also developed both regional and localized significance thresholds. The SCAQMD staff requests that the lead agency quantify criteria pollutant emissions and compare the results to the recommended regional significance thresholds found here: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2>. In addition to analyzing regional air quality impacts, the SCAQMD staff recommends calculating localized air quality impacts and comparing the results to localized significance thresholds (LSTs). LST's can be used in addition to the recommended regional significance thresholds as a second indication of air quality impacts when preparing CEQA documents. For the Riverside Free Methodist Church Demolition Project, it is

recommended that the lead agency perform a localized analysis by either using the LSTs developed by the SCAQMD or performing dispersion modeling as necessary. Guidance for performing a localized air quality analysis can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds>.

In the event that the proposed project generates or attracts vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the lead agency perform a mobile source health risk assessment. Guidance for performing a mobile source health risk assessment ("*Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*") can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis>. An analysis of all toxic air contaminant impacts due to the use of equipment potentially generating such air pollutants should also be included.

In addition, guidance on siting incompatible land uses (such as placing homes near freeways) can be found in the California Air Resources Board's *Air Quality and Land Use Handbook: A Community Perspective*, which can be found at the following internet address: <http://www.arb.ca.gov/ch/handbook.pdf>. CARB's Land Use Handbook is a general reference guide for evaluating and reducing air pollution impacts associated with new projects that go through the land use decision-making process.

Mitigation Measures

In the event that the project generates significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized during project construction and operation to minimize or eliminate these impacts. Pursuant to state CEQA Guidelines §15126.4 (a)(1)(D), any impacts resulting from mitigation measures must also be discussed. Several resources are available to assist the Lead Agency with identifying possible mitigation measures for the project, including:

- Chapter 11 of the SCAQMD *CEQA Air Quality Handbook*
- SCAQMD's CEQA web pages at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies>.
- CAPCOA's *Quantifying Greenhouse Gas Mitigation Measures* available here: <http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf>.
- SCAQMD's Rule 403 – Fugitive Dust, and the Implementation Handbook for controlling construction-related emissions
- Other measures to reduce air quality impacts from land use projects can be found in the SCAQMD's Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning. This document can be found at the following internet address: <http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf?sfvrsn=4>.

Data Sources

SCAQMD rules and relevant air quality reports and data are available by calling the SCAQMD's Public Information Center at (909) 396-2039. Much of the information available through the Public Information Center is also available via the SCAQMD's webpage (<http://www.aqmd.gov>).

The SCAQMD staff is available to work with the Lead Agency to ensure that project emissions are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at jbaker@aqmd.gov or call me at (909) 396-3176.

Sincerely,

Jillian Baker

Jillian Baker, Ph.D.
Program Supervisor
Planning, Rule Development & Area Sources

RVC141202-04
Control Number



Edmund G. Brown Jr.
Governor

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



Ken Alex
Director

Notice of Preparation

December 2, 2014

To: Reviewing Agencies

Re: Riverside Free Methodist Church Demolition Project
SCH# 2014121011

Attached for your review and comment is the Notice of Preparation (NOP) for the Riverside Free Methodist Church Demolition Project draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Teri Delcamp
City of Riverside
3900 Main Street, 3rd Floor
Riverside, CA 92522

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Attachments
cc: Lead Agency

**Document Details Report
State Clearinghouse Data Base**

SCH# 2014121011
Project Title Riverside Free Methodist Church Demolition Project
Lead Agency Riverside, City of

Type NOP Notice of Preparation

Description The proposed project is the demolition by California Baptist University of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue in the City of Riverside. The proposed project site consists of 3.14 acres and is developed as a church facility with a sanctuary and fellowship hall built in 1963-64 and an education building built in 1979. Although the church facility is included in the CBU Specific Plan, the demolition of the church facility was not analyzed in the CBUSP MND since CBU did not own the property at the time the MND was adopted. A Certificate of Appropriateness in accordance with Title 20 of the Riverside Municipal Code is required in order to implement the proposed project, and is the entitlement that is subject to the CEQA.

Lead Agency Contact

Name Teri Delcamp
Agency City of Riverside
Phone 951 826 2117 **Fax**
email
Address 3900 Main Street, 3rd Floor
City Riverside **State** CA **Zip** 92522

Project Location

County Riverside
City Riverside
Region
Cross Streets 8431 Diana Avenue
Lat / Long 33° 55' 37" N / 117° 25' 21" W
Parcel No. 231-070-007
Township 3S **Range** 5W **Section** 5/8 **Base** SBB&M

Proximity to:

Highways Hwy 91
Airports Riverside Municipal
Railways BNSF
Waterways
Schools CBU; Riv. Christian HS; Chemawa MS; Sherman Indian HS
Land Use Existing land use = church;
Z: California Baptist University Specific Plan - Mixed Use/Urban
GP: CBUSP

Project Issues Air Quality; Archaeologic-Historic; Biological Resources; Noise; Toxic/Hazardous; Traffic/Circulation; Other Issues

Reviewing Agencies Resources Agency; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Department of Fish and Wildlife, Region 6; Native American Heritage Commission; Caltrans, District 8; Air Resources Board; Department of Toxic Substances Control; Regional Water Quality Control Board, Region 8

Date Received 12/02/2014 **Start of Review** 12/02/2014 **End of Review** 12/31/2014

Notice of Completion & Environmental Document Transmittal

2014121011

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH #

Project Title: Riverside Free Methodist Church Demolition Project

Lead Agency: City of Riverside

Contact Person: Teri Delcamp

Mailing Address: 3900 Main Street, 3rd Floor

Phone: 951-826-2117

City: Riverside

Zip: 92522

County: Riverside

Project Location: County: Riverside

City/Nearest Community: Riverside

Cross Streets: 8431 Diana Avenue

Zip Code: 92504

Longitude/Latitude (degrees, minutes and seconds): 33 ° 55 ' 37 " N / 117 ° 25 ' 21 " W Total Acres: 3.14

Assessor's Parcel No.: 231-070-007

Section: 5/8

Twp.: 3S

Range: 5W

Base: SBBM

Within 2 Miles: State Hwy #: 91

Waterways:

Airports: Riverside Municipal Airport

Railways: BNSF

Schools: CBU; Riv. Christian HS;
Chemawa MS; Sherman Indian HS

Document Type:

CEQA: ☒ NOP☐ Draft EIRNEPA: ☐ NOIOther: ☐ Joint Document☐ Early Cons☐ Supplement/Subsequent EIR☐ EA☐ Final Document☐ Neg Dec

(Prior SCH No.)

☐ Draft EIS☐ Other:☐ Mit Neg Dec

Other:

Local Action Type:

☐ General Plan Update☐ Specific Plan☐ Rezone☐ Annexation☐ General Plan Amendment☐ Master Plan☐ Prezone☐ Redevelopment☐ General Plan Element☐ Planned Unit Development☐ Use Permit☐ Coastal Permit☐ Community Plan☐ Site Plan☐ Land Division (Subdivision, etc.)

Other: Certificate of

Appropriateness

Development Type:

☐ Residential: Units

Acres

☐ Office: Sq.ft.

Acres

Employees

☐ Transportation: Type☐ Commercial: Sq.ft.

Acres

Employees

☐ Mining: Mineral☐ Industrial: Sq.ft.

Acres

Employees

☐ Power: Type

MW

☐ Educational:☐ Waste Treatment: Type

MGD

☐ Recreational:☐ Hazardous Waste: Type☐ Water Facilities: Type

MGD

☒ Other: Demolition

Project Issues Discussed in Document:

☐ Aesthetic/Visual☐ Fiscal☐ Recreation/Parks☐ Vegetation☐ Agricultural Land☐ Flood Plain/Flooding☐ Schools/Universities☐ Water Quality☒ Air Quality☐ Forest Land/Fire Hazard☐ Septic Systems☐ Water Supply/Groundwater☒ Archeological/Historical☐ Geologic/Seismic☐ Sewer Capacity☐ Wetland/Riparian☒ Biological Resources☐ Minerals☐ Soil Erosion/Compaction/Grading☐ Growth Inducement☐ Coastal Zone☒ Noise☐ Solid Waste☐ Land Use☐ Drainage/Absorption☐ Population/Housing Balance☒ Toxic/Hazardous☐ Cumulative Effects☐ Economic/Jobs☐ Public Services/Facilities☒ Traffic/Circulation☒ Other: GHG Emissions

Present Land Use/Zoning/General Plan Designation:

Existing land use = church; zoning = California Baptist University Specific Plan (CBU SP) - Mixed Use/Urban; General Plan = CBU SP

Project Description: (please use a separate page if necessary)

The proposed project is the demolition by California Baptist University (CBU) of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue in the City of Riverside. The proposed project site consists of 3.14 acres and is developed as a church facility with a sanctuary and fellowship hall built in 1963-64 and an education building built in 1979. Although the church facility is included in the CBU Specific Plan (CBUSP), the demolition of the church facility was not analyzed in the CBUSP MND since CBU did not own the property at the time the MND was adopted. A Certificate of Appropriateness in accordance with Title 20 of the Riverside Municipal Code is required in order to implement the proposed project, and is the entitlement that is subject to the California Environmental Quality Act.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

Revised 2010

NOP Distribution List

County: *Riverside*

SCH#

2014121011

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Habitat Conservation Program

☐ Fish & Wildlife Region 6 I/M
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Marine Region

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Public School Construction

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Cal State Transportation Agency CalSTA

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HQ LD-IGR
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Office of Special Projects

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Phil Crader
Division of Water Rights

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CEQA Tracking Center

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CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

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Cathleen Hudson
North Coast Region (1)

☐ RWQCB 2
Environmental Document Coordinator
San Francisco Bay Region (2)

☐ RWQCB 3
Central Coast Region (3)

☐ RWQCB 4
Teresa Rodgers
Los Angeles Region (4)

☐ RWQCB 5S
Central Valley Region (5)

☐ RWQCB 5F
Central Valley Region (5)
Fresno Branch Office

☐ RWQCB 5R
Central Valley Region (5)
Redding Branch Office

☐ RWQCB 6
Lahontan Region (6)

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Lahontan Region (6)
Victorville Branch Office

☐ RWQCB 7
Colorado River Basin Region (7)

☒ RWQCB 8
Santa Ana Region (8)

☐ RWQCB 9
San Diego Region (9)

☐ Other _____

☐ _____
Conservancy

From: Squires, Rosalyn [<mailto:RSquires@semprautilities.com>]
Sent: Friday, February 06, 2015 2:37 PM
To: Delcamp, Teri
Subject: FW:

February 6, 2015

Riverside Free Methodist Church
Attn: Teri Delcamp, Historic Preservation Senior Planner

Email: Tdelcamp@riversideca.gov

**Subject: 8431 Diana Avenue - Riverside Free Methodist
Church Demolition Project
Document Control File: 121-15NC095**

Southern California Gas Company Transmission Department does not operate facilities within your proposed improvement. However, our Northwest Distribution Region may have some distribution facilities within your construction area.

To assure no conflict with the local distribution's pipeline system, please contact them at (909) 335- 7507.

Sincerely,

Rosalyn Squires
Transmission Pipeline Planning Assistant
(818) 701-4546

Rosalyn Squires
Transmission Pipeline Planning Assistant
(818) 701-4546

APPENDIX B

AIR QUALITY ANALYSIS

RIVERSIDE FREE METHODIST CHURCH DEMOLITION PROJECT

CITY OF RIVERSIDE

RIVERSIDE COUNTY, CALIFORNIA

AIR QUALITY ANALYSIS

RIVERSIDE FREE METHODIST CHURCH DEMOLITION PROJECT CITY OF RIVERSIDE RIVERSIDE COUNTY, CALIFORNIA

Submitted to:

City of Riverside
Community Development Department
Planning Division
3900 Main Street, 3rd Floor
Riverside, California 92522

Prepared by:

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, California 92614-4731
(949) 553-0666

Project No. CTR1401

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APPENDIX

A: CALEEMOD MODEL PRINTOUTS

EXECUTIVE SUMMARY

LSA Associates, Inc. (LSA) was retained by the City of Riverside to prepare an air quality study for a proposed church demolition project (project) located in the City of Riverside (City), in Riverside County (County), California.

The air quality study provides a discussion of the proposed project, the physical setting of the project area, and the regulatory framework for air quality. The report provides data on existing air quality and evaluates potential air quality impacts associated with the proposed project. Modeled air quality levels are based on default trip generation for the proposed uses included in the project.

Regional emissions during project construction/demolition, calculated with the CalEEMod (Version 2013.2.2) model, would not exceed criteria pollutant thresholds established by the South Coast Air Quality Management District (SCAQMD). Compliance with SCAQMD Rules and Regulations during construction will reduce construction-related air quality impacts from fugitive dust emissions and construction equipment emissions. Standard dust suppression measures have been identified for short-term construction to meet the SCAQMD emissions thresholds. The proposed project would not exceed the localized significance thresholds (LSTs) for construction.

Historical air quality data show that existing carbon monoxide (CO) levels for the project area and the general vicinity do not exceed either State or Federal ambient air quality standards (AAQS). The CO concentrations in the project area are much lower than the Federal and State CO standards. The proposed project would not result in any significant increase in CO concentrations at intersections in the project vicinity. Therefore, project-related traffic would not significantly affect local CO levels and the CO concentrations would be below the State and Federal standards. No significant impact on local CO levels would occur.

The proposed project is located in Riverside County, which is not among the counties that are found to have serpentine and ultramafic rock in their soils. In addition, no serpentine or ultramafic rock has been found in the project vicinity in the past 10 years. Therefore, the potential risk for naturally occurring asbestos (NOA) during project construction is small and less than significant.

The potential of the project to affect global climate change (GCC) is also addressed. Short-term construction and long-term operational emissions of the principal greenhouse gases (GHGs), including carbon dioxide (CO₂) and methane (CH₄), are quantified, and their significance relative to the California Air Resources Board (ARB) Scoping Plan is discussed. The proposed project will not exceed any proposed GHG emissions thresholds or conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions.

The proposed uses are consistent with General Plan of the City, which is consistent with the Southern California Association of Governments (SCAG) Regional Comprehensive Plan (RCP) Guidelines and the SCAQMD Air Quality Management Plan (AQMP). Therefore, the proposed project is consistent with the General Plans and the regional AQMP.

The evaluation was prepared in conformance with appropriate standards, utilizing procedures and methodologies in the *SCAQMD California Environmental Quality Act (CEQA) Air Quality Handbook* (SCAQMD 1993) and associated updates. Air quality data posted on the California Air Resources Board (ARB) and United States Environmental Protection Agency (EPA) websites are included to document the local air quality environment.

PROJECT DESCRIPTION

This air quality impact analysis has been prepared to evaluate the potential air quality impacts and mitigation measures associated with the proposed church demolition project (project) in the City of Riverside, (City) Riverside County (County), California. This report provides a project-specific air quality impact analysis by examining the impacts of the proposed action on adjacent sensitive uses, and evaluating the mitigation measures required as part of the project. Guidelines identified by the South Coast Air Quality Management District (SCAQMD) in its California Environmental Quality Act (CEQA) *Air Quality Handbook* (SCAQMD, April 1993) and associated updates will be followed in this air quality impact analysis.

The proposed project is the demolition by California Baptist University (CBU) of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue in the City of Riverside, in western Riverside County, California. Figure 1 depicts the project vicinity and regional location.

The proposed project site consists of 3.14 acres (ac) and is developed as a church facility with a 3,942-square foot (sf) sanctuary and 2,340 sf fellowship hall constructed in 1963–64 and a 3,360 sf education building constructed in 1979. The site contains improvements consisting of a paved parking lot, concrete walkways, ornamental landscaping, a tot lot, and undeveloped area. The project site is further identified by Assessor's Parcel Number (APN) 231-070-007 and United States Geological Survey (USGS) Map, *Riverside, California* quadrangle, Township 3 South, Range 5 West, portions of Sections 5 and 8 of San Bernardino Baseline and Meridian (SBBM). Figure 2 illustrates the structures currently on site.

SURROUNDING LAND USES IN THE PROJECT VICINITY

A mix of land uses surrounds the project site. The areas adjacent to the project site include the following uses:

- North: CBU Facilities Planning.
- East: Commercial retail buildings.
- South: State Route 91 (SR-91).
- West: CBU on-campus apartments.

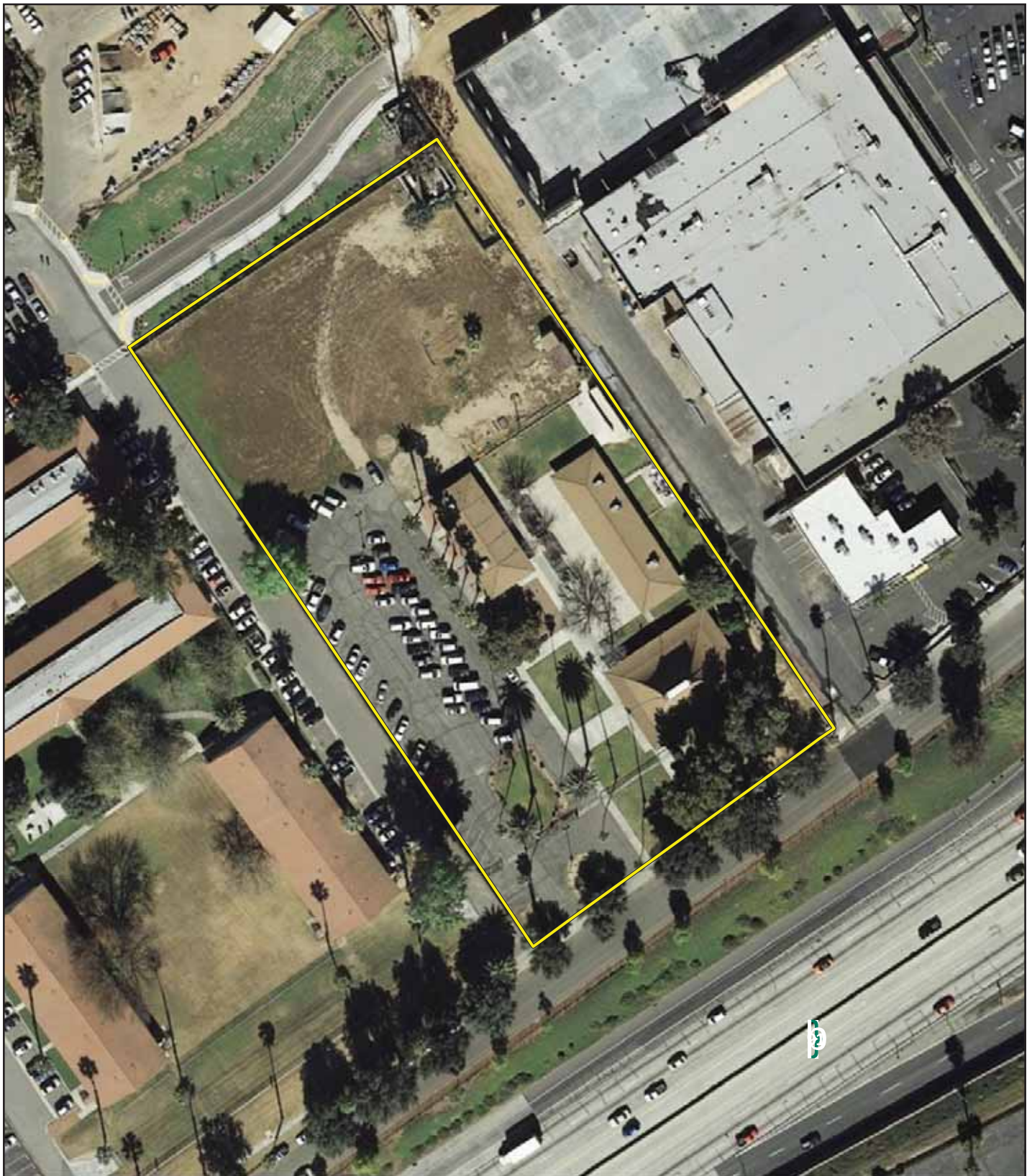
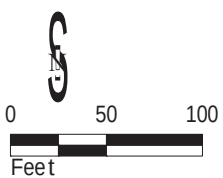


FIGURE 2

LSA



Project Location

*Riverside Free Methodist
Church Demolition Project*

Project Site

SOURCE: ESRI World Imagery, 2012; Riverside County, 2014

E:\CTR14\08\Reports\08-0852\FRISyste.mxd 11/23/2011

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

SETTING

REGIONAL AIR QUALITY

The project site is located in the nondesert portion of Riverside County, California, which is part of the South Coast Air Basin (Basin) and is under the jurisdiction of the SCAQMD. The air quality assessment for the proposed project includes estimating emissions associated with short-term construction and long-term operation of the proposed project.

A number of air quality modeling tools are available to assess the air quality impacts of projects. In addition, certain air districts, such as the SCAQMD, have created guidelines and requirements to conduct air quality analyses. The SCAQMD's current guidelines, included in its *CEQA Air Quality Handbook* (April 1993) and associated updates, were adhered to in the assessment of air quality impacts for the proposed project.

Both the State of California (State) and the Federal government have established health-based AAQS for seven air pollutants. As detailed in Table A, these pollutants include ozone (O₃), CO, nitrogen dioxide (NO₂), sulfur dioxide (SO₂), particulate matter less than 10 microns in size (PM₁₀), particulate matter less than 2.5 microns in size (PM_{2.5}), and lead. In addition, the State has set standards for sulfates, hydrogen sulfide (H₂S), vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

In addition to setting out primary and secondary AAQS, the State has established a set of episode criteria for O₃, CO, NO₂, SO₂, and PM₁₀. These criteria refer to episode levels representing periods of short-term exposure to air pollutants that actually threaten public health. Health effects are progressively more severe as pollutant levels increase from Stage One to Stage Three. An alert level is that concentration of pollutants at which initial stage control actions are to begin. An alert will be declared when any one of the pollutant alert levels is reached at any monitoring site and meteorological conditions is such that the pollutant concentrations can be expected to remain at these levels for 12 or more hours or to increase; or, in the case of oxidants, if the situation is likely to recur within the next 24 hours unless control actions are taken.

Pollutant alert levels:

- **O₃:** 392 micrograms per cubic meter (µg/m³) (0.20 parts per million [ppm]), 1-hour average
- **CO:** 17 milligrams per cubic meter (mg/m³) (15 ppm), 8-hour average
- **NO₂:** 1,130 µg/m³ (0.6 ppm), 1-hour average; 282 µg/m³ (0.15 ppm), 24-hour average
- **SO₂:** 800 µg/m³ (0.3 ppm), 24-hour average
- **Particulates measured as PM₁₀:** 350 µg/m³, 24-hour average

Table A: Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards ¹		Federal Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃)	1-Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	--	Same as Primary Standard	Ultraviolet Photometry
	8-Hour	0.070 ppm (137 µg/m ³)		0.075 ppm (147 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁸	24-Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		--		
Fine Particulate Matter (PM _{2.5}) ⁸	24-Hour	No Separate State Standard		35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	8-Hour	9.0 ppm (10 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m ³)	None	Non-Dispersive Infrared Photometry (NDIR)
	1-Hour	20 ppm (23 mg/m ³)		35 ppm(40 mg/m ³)		
	8-Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	—
Nitrogen Dioxide (NO ₂) ⁹	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m ³)	Same as Primary Standard	Gas Phase Chemiluminescence
	1-Hour	0.18 ppm (339 µg/m ³)		100 ppb (188 µg/m ³)	—	
Sulfur Dioxide (SO ₂) ¹⁰	Annual Arithmetic Mean	—	Ultraviolet Fluorescence	0.030 ppm (for certain areas) ⁹	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	24-Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ⁹	—	
	3-Hour	—		—	0.5 ppm (1300 µg/m ³)	
	1-Hour	0.25 ppm (655 µg/m ³)		75 ppb (196 µg/m ³)	—	
Lead ^{11,12}	30-Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High-Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³	Same as Primary Standard	
	Rolling 3-Month Average ¹¹	—		0.15 µg/m ³		
Visibility- Reducing Particles ¹³	8-Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No Federal Standards		
Sulfates	24-Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹¹	24-Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

Source: ARB (June 4, 2013).

Footnotes:

¹ California standards for O₃; CO (except Lake Tahoe); SO₂ (1- and 24-hour); NO₂; suspended particulate matter - PM₁₀, PM_{2.5} 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 O₃, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O₃ standard is attained when the fourth-highest 8-hour concentration in a year, averaged over 3 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 1. For PM_{2.5}, the 24-hour standard is attained when 98 percent of the daily concentrations,

averaged over 3 years, are equal to or less than the standard. Contact the EPA for further clarification and current Federal 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 ARB 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 December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} 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.
- ⁹ To attain the 1-hour standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum 1-hour average at each monitor within an area 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.
- ¹⁰ On June 2, 2010, the 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 1 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.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
- ¹¹ The ARB 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.
- ¹² 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 1 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 standards are approved.
- ¹³ In 1989, the ARB 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 Basins, respectively.

°C = degrees Celsius

ARB = California Air Resources Board

EPA = United States Environmental Protection Agency

µg/m³ = micrograms per cubic meter

mg/m³ = milligrams per cubic meter

ppm = parts per million

ppb = parts per billion

Table B summarizes the primary health effects and sources of common air pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety (EPA), these health effects will not occur unless the standards are exceeded by a large margin or for a prolonged period of time. State AAQS are more stringent than Federal AAQS. Among the pollutants, O₃ and particulate matter (PM_{2.5} and PM₁₀) are considered regional pollutants, while the others have more localized effects.

Table B: Summary of Health Effects of the Major Criteria Air Pollutants

Pollutant	Health Effects	Examples of Sources
Particulate matter (PM ₁₀ : less than or equal to 10 microns)	- Increased respiratory disease - Lung damage - Premature death	- Cars and trucks, especially diesels - Fireplaces, wood stoves - Windblown dust from roadways, agriculture, and construction
Ozone (O ₃)	- Breathing difficulties - Lung damage	Formed by chemical reactions of air pollutants in the presence of sunlight; common sources are motor vehicles, industries, and consumer products
Carbon monoxide (CO)	- Chest pain in heart patients - Headaches, nausea - Reduced mental alertness - Death at very high levels	Any source that burns fuel, such as cars, trucks, construction and farming equipment, and residential heaters and stoves
Nitrogen dioxide (NO ₂)	Lung damage	See carbon monoxide sources
Toxic air contaminants	- Cancer - Chronic eye, lung, or skin irritation - Neurological and reproductive disorders	- Cars and trucks, especially diesels - Industrial sources such as chrome-platers - Neighborhood businesses such as dry cleaners and service stations - Building materials and products

Source: ARB (2010).

The California Clean Air Act (CCAA) provides SCAQMD and other air districts with the authority to manage transportation activities at indirect sources. Indirect sources of pollution are generated when minor sources collectively emit a substantial amount of pollution. Examples of this would be the motor vehicles at an intersection, a mall, and on highways. The SCAQMD also regulates stationary sources of pollution throughout its jurisdictional area. Direct emissions from motor vehicles are regulated by the ARB.

Climate/Meteorology

Air quality in the planning area is not only affected by various emission sources (mobile, industry, etc.), but also by atmospheric conditions such as wind speed, wind direction, temperature, rainfall, etc. The combination of topography, low mixing height, abundant sunshine, and emissions from the second largest urban area in the United States gives the Basin the worst air pollution problem in the nation.

The annual average temperature varies little throughout the Basin, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological

station closest to the site is the Riverside Citrus Experiment Station.¹ The monthly average maximum temperature recorded at this station from July 1948 to September 2009 ranged from 66.6°F in January to 94.4°F in August, with an annual average maximum of 79.0°F. The monthly average minimum temperature recorded at this station ranged from 41.3°F in December to 61.3°F in August, with an annual average minimum of 50.5°F. January and December are typically the coldest months, and August is typically the warmest month in this area of the Basin.

The majority of annual rainfall in the Basin occurs between November and April. Summer rainfall is minimal and is generally limited to scattered thundershowers in coastal regions and slightly heavier showers in the eastern portion of the Basin and along the coastal side of the mountains. The Riverside Citrus Experiment Station also monitored precipitation. Average monthly rainfall during the period from July 1948 to September 2009 varied from 2.16 inches in February to 0.32 inch or less from May to October, with an annual total of 9.86 inches. Patterns in monthly and yearly rainfall totals are unpredictable due to fluctuations in the weather.

The Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid-afternoon to late afternoon on hot summer days, when the smog appears to clear up suddenly. Winter inversions frequently break by midmorning.

Winds in the vicinity of the project area blow predominantly from the south-southwest, with relatively low velocities. Wind speeds in the project area average about 5 miles per hour (mph). Summer wind speeds average slightly higher than winter wind speeds. Low average wind speeds, together with a persistent temperature inversion limit the vertical dispersion of air pollutants throughout the Basin. Strong, dry, north or northeasterly winds, known as Santa Ana winds, occur during the fall and winter months, dispersing air contaminants. The Santa Ana conditions tend to last for several days at a time.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are the lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly on shore into Riverside and San Bernardino Counties. In the winter, the greatest pollution problems are CO and nitrogen oxides (NO_x) because of extremely low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and the brighter sunshine combine to cause a reaction between hydrocarbons and NO_x to form photochemical smog.

Description of Global Climate Change and Its Sources

GCC is the observed increase in the average temperature of the Earth's atmosphere and oceans along with other significant changes in climate (such as precipitation or wind) that last for an extended period of time. The term "global climate change" is often used interchangeably with the term "global

¹ Western Regional Climate Center, www.wrcc.dri.edu.

warming,” but “global climate change” is preferred to “global warming” because it helps convey that there are other changes in addition to rising temperatures.

Climate change refers to any change in measures of weather (such as temperature, precipitation, or wind) lasting for an extended period (decades or longer). Climate change may result from natural factors, such as changes in the sun’s intensity; natural processes within the climate system (e.g., changes in ocean circulation) or human activities, such as the burning of fossil fuels, land clearing, or agriculture. The primary observed effect of GCC has been a rise in the average global tropospheric¹ temperature of 0.36°F per decade, determined from meteorological measurements worldwide between 1990 and 2005. Climate change modeling shows that further warming may occur, which may induce additional changes in the global climate system during the current century. Changes to the global climate system, ecosystems, and the environment of California could include higher sea levels, drier or wetter weather, changes in ocean salinity, changes in wind patterns, or more energetic aspects of extreme weather, including droughts, heavy precipitation, heat waves, extreme cold, and increased intensity of tropical cyclones. Specific effects in California might include a decline in the Sierra Nevada snowpack, erosion of California’s coastline, and seawater intrusion in the San Joaquin Delta.

Global surface temperatures have risen by $1.33^{\circ}\text{F} \pm 0.32^{\circ}\text{F}$ over the last 100 years (1906 to 2005). The rate of warming over the last 50 years is almost double that over the last 100 years.² The latest projections, based on state-of-the art climate models, indicate that temperatures in California are expected to rise 3–10.5°F by the end of the century.³ The prevailing scientific opinion on climate change is that “most of the warming observed over the last 60 years is attributable to human activities.”⁴ Increased amounts of CO₂ and other GHGs are the primary causes of the human-induced component of warming. The observed warming effect associated with the presence of GHGs in the atmosphere (from either natural or human sources) is often referred to as the greenhouse effect.⁵

GHGs are present in the atmosphere naturally, are released by natural sources, or are formed from secondary reactions taking place in the atmosphere. The gases that are widely seen as the principal contributors to human-induced GCC are:⁶

- CO₂
- CH₄

¹ The troposphere is the zone of the atmosphere characterized by water vapor, weather, winds, and decreasing temperature with increasing altitude.

² Intergovernmental Panel on Climate Change (IPCC), 2013. *Climate Change 2013: The Physical Science Basis*.

³ California Climate Change Portal website, www.climatechange.ca.gov, accessed December 2014.

⁴ IPCC, *Climate Change 2013: The Physical Science Basis*, <http://www.ipcc.ch>.

⁵ The temperature on Earth is regulated by a system commonly known as the “greenhouse effect.” Just as the glass in a greenhouse lets heat from sunlight in and reduces the amount of heat that escapes, GHGs like CO₂, CH₄, and nitrous oxide (N₂O) in the atmosphere keep the Earth at a relatively even temperature. Without the greenhouse effect, the Earth would be a frozen globe; thus, the *naturally occurring* greenhouse effect is necessary to keep our planet at a comfortable temperature.

⁶ The GHGs listed are consistent with the definition in AB 32 (Government Code 38505), as discussed later in this section.

- Nitrous Oxide (N₂O)
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons (PFCs)
- Sulfur hexafluoride (SF₆)

Over the last 200 years, human activities have caused substantial quantities of GHGs to be released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere and enhancing the natural greenhouse effect, which some scientist believe can cause global warming. While GHGs produced by human activities include naturally occurring GHGs such as CO₂, CH₄, and N₂O, some gases, like HFCs, PFCs, and SF₆, are completely new to the atmosphere. Certain other gases, such as water vapor, are short-lived in the atmosphere as compared to these GHGs that remain in the atmosphere for significant periods of time, contributing to climate change in the long term. Water vapor is generally excluded from the list of GHGs because it is short-lived in the atmosphere and its atmospheric concentrations are largely determined by natural processes, such as oceanic evaporation. For the purposes of this air quality study, the term “GHGs” will refer collectively to the six gases identified in the bulleted list provided above.

These gases vary considerably in terms of Global Warming Potential (GWP), which is a concept developed to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. GWP is based on several factors, including the relative effectiveness of a gas in absorbing infrared radiation and the length of time that the gas remains in the atmosphere (“atmospheric lifetime”). GWP of each gas is measured relative to CO₂, the most abundant GHG. The definition of GWP for a particular GHG is the ratio of heat trapped by one unit mass of the GHG to the ratio of heat trapped by one unit mass of CO₂ over a specified time period. GHG emissions are typically measured in terms of metric tons (MT)¹ of “CO₂ equivalents” (CO₂e). For example, SF₆ is 22,800 times more potent at contributing to global warming than CO₂. Table C identifies the GWP for each type of GHG analyzed in this report.

The following discussion summarizes the characteristics of the six primary GHGs.

Carbon Dioxide. In the atmosphere, carbon generally exists in its oxidized form, as CO₂. Natural sources of CO₂ include the respiration (breathing) of humans, animals, and plants; volcanic outgassing; decomposition of organic matter; and evaporation from the oceans. Human-caused sources of CO₂ include the combustion of fossil fuels and wood, waste incineration, mineral production, and deforestation. The Earth maintains a natural carbon balance, and when concentrations of CO₂ are upset, the system gradually returns to its natural state through natural processes. Natural changes to the carbon cycle work slowly, especially compared to the rapid rate at which humans are adding CO₂ to the atmosphere. Natural removal processes, such as photosynthesis by land- and ocean-dwelling plant species, cannot keep pace with this extra input of human-made CO₂, and consequently the gas is building up in the atmosphere.

¹ A metric ton is equivalent to approximately 1.1 tons.

Table C: Global Warming Potential of Greenhouse Gases

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-year Time Horizon)
Carbon Dioxide (CO ₂)	50–200	1
Methane (CH ₄)	12	25
Nitrous Oxide (NO _x)	114	298
HFC-23	270	14,800
HFC-134a	14	1,430
HFC-152a	1.4	124
PFC: Tetrafluoromethane (CF ₄)	50,000	7,390
PFC: Hexafluoromethane (C ₂ F ₆)	10,000	12,200
Sulfur Hexafluoride (SF ₆)	3,200	22,800

Source: IPCC (2007). *Climate Change 2007: The Physical Science Basis*. Contribution of Working Group I to the Fourth Assessment Report of the IPCC.

HFC = hydrofluorocarbons

IPCC = Intergovernmental Panel on Climate Change

PFC = perfluorocarbons

The concentration of CO₂ in the atmosphere has risen approximately 30 percent since the late 1800s.¹

The transportation sector remains the largest source of GHG emissions in 2012 with 36 percent of California's GHG emission inventory. The largest emissions category within the transportation sector is on-road, which consists of passenger vehicles (cars, motorcycles, and light-duty trucks) and heavy duty trucks and buses. Emissions from on-road constitute over 92 percent of the transportation sector total. Industry and electricity generation were California's second- and third-largest categories of GHG emissions, respectively.

Methane. CH₄ is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources of CH₄ include fires, geologic processes, and bacteria that produce CH₄ in a variety of settings (most notably, wetlands).² Anthropogenic sources include rice cultivation, livestock, landfills and waste treatment, biomass burning, and fossil fuel combustion (burning of coal, oil, and natural gas, etc.). As with CO₂, the major removal process of atmospheric CH₄—a chemical breakdown in the atmosphere—cannot keep pace with source emissions, and CH₄ concentrations in the atmosphere are increasing.

Nitrous Oxide. N₂O is produced naturally by a wide variety of biological sources, particularly microbial action in soils and water. Tropical soils and oceans account for the majority of natural source emissions. N₂O is also a product of the reaction that occurs between nitrogen and oxygen during fuel combustion. Both mobile and stationary combustion sources emit N₂O. The quantity of N₂O emitted varies according to the type of fuel, technology, and pollution control device used, as well as

¹ California Environmental Protection Agency (CalEPA). 2006. *Climate Action Team Report to Governor Schwarzenegger and the Legislature*. March.

² *Methane and Nitrous Oxide Emissions from Natural Sources*, EPA, April 2010.

maintenance and operating practices. Agricultural soil management and fossil fuel combustion are the primary sources of human-generated N₂O emissions in California. N₂O emissions accounted for nearly 7 percent of human-made GHG emissions (CO₂e) in California in 2002.

Hydrofluorocarbons, Perfluorocarbons, and Sulfur Hexafluoride. HFCs are primarily used as substitutes for O₃-depleting substances regulated under the Montreal Protocol.¹ PFCs and SF₆ are emitted from various industrial processes, including aluminum smelting, semiconductor manufacturing, electric power transmission and distribution, and magnesium casting. There is no aluminum or magnesium production in California; however, the rapid growth in the semiconductor industry, which is active in California, has led to greater use of PFCs. However, there are no known project-related emissions of these three GHGs, therefore, these substances are not discussed further in this analysis.

Emissions Sources and Inventories

An emissions inventory that identifies and quantifies the primary human-generated sources and sinks of GHGs is a well-recognized and useful tool for addressing climate change. This section summarizes the latest information on global, national, California, and local GHG emission inventories. However, because GHGs persist for a long time in the atmosphere (see Table C), accumulate over time, and are generally well mixed, their impact on the atmosphere and climate cannot be tied to a specific point of emission.

Global Emissions. Worldwide emissions of GHGs in 2004 totaled 27 billion MT of CO₂e per year (CO₂e/yr).² Global estimates are based on country inventories developed as part of the programs of the United Nations Framework Convention on Climate Change (UNFCCC).

United States Emissions. In 2008, the United States emitted approximately 7.0 billion MT of CO₂e, or approximately 25 tons per year (tpy) per person. Of the six major sectors nationwide—electric power industry, transportation, industry, agriculture, commercial, and residential—the electric power industry and transportation sectors combined account for approximately 62 percent of the GHG emissions; the majority of the electric power industry and all of the transportation emissions are generated from direct fossil fuel combustion. Between 1990 and 2006, total United States GHG emissions rose approximately 14.7 percent.³

¹ The Montreal Protocol is an international treaty that was approved on January 1, 1989, and was designated to protect the ozone layer by phasing out the production of several groups of halogenated hydrocarbons believed to be responsible for O₃ depletion.

² Combined total of Annex I and Non-Annex I Country CO₂e emissions. UNFCCC, 2007. *Greenhouse Gas Inventory Data*. Information available at http://unfccc.int/ghg_data/ghg_data_unfccc/time_series_annex_i/items/3814.php and http://maindb.unfccc.int/library/view_pdf.pl?url=http://unfccc.int/resource/docs/2005/sbi/eng/18a02.pdf.

³ EPA. 2010. The 2010 U.S. Greenhouse Gas Inventory Report. <http://www.epa.gov/climatechange/emissions/usinventoryreport.html> (accessed September 2010).

State of California Emissions. According to ARB emission inventory estimates, California emitted approximately 474 million metric tons of CO₂e (MMTCO₂e) emissions in 2008.¹ This large number is due primarily to the sheer size of California compared to other states. By contrast, California has the fourth-lowest per-capita CO₂ emission rate from fossil fuel combustion in the country due to the success of its energy efficiency and renewable energy programs and commitments that have lowered the State's GHG emissions rate of growth by more than half of what it would have been otherwise.²

The California Environmental Protection Agency (CalEPA) Climate Action Team (CAT)³ stated in its March 2006 report that the composition of gross climate change pollutant emissions in California in 2002 (expressed in terms of CO₂e) was as follows:

- CO₂ accounted for 83.3 percent
- CH₄ accounted for 6.4 percent
- N₂O accounted for 6.8 percent
- HFCs, PFC, and SF₆ accounted for 3.5 percent⁴

The ARB estimates that transportation was the source of approximately 38 percent of the State's GHG emissions in 2011, followed by electricity generation (both in-State and out-of-State) at 19 percent and industrial sources at 21 percent. The remaining sources of GHG emissions were residential and commercial activities at 10 percent, agriculture at 7 percent, high-GWP gases at 3 percent, and recycling and waste at 2 percent.⁵

The ARB is responsible for developing the California Greenhouse Gas Emission Inventory. This inventory estimates the amount of GHGs emitted to and removed from the atmosphere by human activities within the State of California and supports the AB 32 Climate Change Program. The ARB's current GHG emission inventory covers the years 1990–2004 and is based on fuel use, equipment activity, industrial processes, and other relevant data (e.g., housing, landfill activity, agricultural lands). The emission inventory estimates are based on the actual amount of all fuels combusted in the State, which accounts for over 85 percent of the GHG emissions within California.

The ARB staff has projected statewide unregulated GHG emissions for 2020, which represent the emissions that would be expected to occur in the absence of any GHG reduction actions, at 596 MMTCO₂e. GHG emissions from the transportation and electricity sectors as a whole are expected to increase but remain at approximately 36 percent and 22 percent of total CO₂e emissions, respectively. The industrial sector consists of large stationary sources of GHG emissions, and the percentage of the total 2020 emissions is projected to be 18 percent of total CO₂e emissions. The remaining sources of

¹ ARB, Greenhouse Gas Inventory Data – 1990 to 2004. <http://www.arb.ca.gov/cc/inventory/data/data.htm> (accessed September 2010).

² California Energy Commission (CEC), 2007. Inventory of California Greenhouse Gas Emissions and Sinks: 1990 to 2004 – Final Staff Report, publication # CEC-600-2006-013-sf, Sacramento, CA, December 22, 2006; and January 23, 2007, update to that report.

³ CAT is a consortium of representatives from State agencies who have been charged with coordinating and implementing GHG emission reduction programs that fall outside of ARB's jurisdiction.

⁴ CalEPA. 2006. *Climate Action Team Report to Governor Schwarzenegger and the Legislature*. March.

⁵ ARB, 2013. <http://www.arb.ca.gov/cc/inventory/data/data.htm> (October 2013).

GHG emissions in 2020 are high-GWP gases at 7 percent, residential and commercial activities at 9 percent, agriculture at 6 percent, and recycling and waste at 2 percent.¹

Air Pollution Constituents and Attainment Status

The ARB coordinates and oversees both State and Federal air pollution control programs in California. The ARB oversees activities of local air quality management agencies and maintains air quality monitoring stations throughout the State in conjunction with the EPA and local air districts. The ARB has divided the State into 15 air basins based on meteorological and topographical factors of air pollution. Data collected at these stations are used by the ARB and EPA to classify air basins as attainment, nonattainment, nonattainment-transitional, or unclassified, based on air quality data for the most recent 3 calendar years compared with the AAQS. Attainment areas may be the following:

- Attainment/Unclassified (“Unclassifiable” in some lists), which have never violated the air quality standard of interest or don’t have enough monitoring data to establish attainment or nonattainment status; or
- Attainment-Maintenance (NAAQS only), which violated a NAAQS that is currently in use (was Nonattainment) in or after 1990, but now attains the standard and is officially redesignated to Attainment by U.S. EPA with a Maintenance SIP; or
- Attainment (usually only for CAAQS, but sometimes for NAAQS), which have adequate monitoring data to show attainment, have never been nonattainment, or, for NAAQS, have completed the official Maintenance period.

Nonattainment areas are imposed with additional restrictions as required by the EPA. The air quality data are also used to monitor progress in attaining air quality standards. Table D lists the attainment status for the criteria pollutants in the Basin.

Ozone. O₃ (smog) is formed by photochemical reactions between oxides of nitrogen and reactive organic gases (ROGs) rather than being directly emitted. O₃ is a pungent, colorless gas typical of Southern California smog. Elevated O₃ concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, the elderly, and young children. O₃ levels peak during summer and early fall. The entire Basin is designated as a nonattainment area for the State 1-hour and 8-hour O₃ standards. The EPA has officially designated the status for most of the Basin regarding the 8-hour O₃ standard as “Extreme Nonattainment,” which means the Basin has until 2024 to attain the Federal 8-hour O₃ standard.

Carbon Monoxide. CO is formed by the incomplete combustion of fossil fuels, almost entirely from automobiles. It is a colorless, odorless gas that can cause dizziness, fatigue, and impairments to central nervous system functions. The entire Basin is in attainment for the State standards for CO. The Basin is designated as an “Attainment/Maintenance” area under the Federal CO standards.

¹ ARB, 2013. <http://www.arb.ca.gov/cc/inventory/data/data.htm> (October 2013).

Nitrogen Oxides. NO₂, a reddish brown gas, and nitric oxide (NO), a colorless, odorless gas, are formed from fuel combustion under high temperature or pressure. These compounds are referred to as nitrogen oxides, or NO_x. NO_x is a primary component of the photochemical smog reaction. It also contributes to other pollution problems, including a high concentration of fine particulate matter, poor visibility, and acid deposition (i.e., acid rain). NO₂ decreases lung function and may reduce resistance to infection. The entire Basin is designated as nonattainment for the State NO₂ standard and as an “Attainment/Maintenance” area under the Federal NO₂ standard.

Table D: Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
O ₃ 1-hour	Nonattainment	N/A
O ₃ 8-hour	Nonattainment	Extreme Nonattainment
PM ₁₀	Nonattainment	Attainment/Maintenance
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Attainment/Maintenance
NO ₂	Nonattainment	Attainment/Maintenance
SO ₂	Attainment	Attainment
Lead	Attainment ¹	Attainment ¹
All others	Attainment/Unclassified	Attainment/Unclassified

Source: California Air Resources Board (2013) (<http://www.arb.ca.gov/desig/desig.htm>).

¹ Except in Los Angeles County.

CO = carbon monoxide

N/A = not applicable

NO₂ = nitrogen dioxide

O₃ = ozone

PM₁₀ = particulate matter less than 10 microns in diameter

PM_{2.5} = particulate matter less than 2.5 microns in diameter

SO₂ = sulfur dioxide

Sulfur Dioxide. SO₂ is a colorless irritating gas formed primarily from incomplete combustion of fuels containing sulfur. Industrial facilities also contribute to gaseous SO₂ levels. SO₂ irritates the respiratory tract, can injure lung tissue when combined with fine particulate matter, and reduces visibility and the level of sunlight. The entire Basin is in attainment with both Federal and State SO₂ standards.

Lead. Lead is found in old paints and coatings, plumbing, and a variety of other materials. Once in the blood stream, lead can cause damage to the brain, nervous system, and other body systems. Children are highly susceptible to the effects of lead. The Los Angeles County portion of the Basin was re-designated as nonattainment for the State and Federal standards for lead in 2010.

Particulate Matter. Particulate matter (PM) is the term used for a mixture of solid particles and liquid droplets found in the air. Coarse particles (PM₁₀) derive from a variety of sources, including windblown dust and grinding operations. Fuel combustion and resultant exhaust from power plants and diesel buses and trucks are primarily responsible for fine particle (PM_{2.5}) levels. Fine particles can also be formed in the atmosphere through chemical reactions. PM₁₀ can accumulate in the respiratory system and aggravate health problems such as asthma. The EPA’s scientific review concluded that

PM_{2.5}, which penetrate deeply into the lungs, are more likely than coarse particles to contribute to the health effects listed in a number of recently published community epidemiological studies at concentrations that extend well below those allowed by the current PM₁₀ standards. These health effects include premature death and increased hospital admissions and emergency room visits (primarily the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (children and individuals with cardiopulmonary disease such as asthma); decreased lung functions (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms. The Basin is designated nonattainment for the Federal and State PM_{2.5} standards and State PM₁₀ standard, and attainment/maintenance for the Federal PM₁₀ standard.

Reactive Organic Compounds. Reactive organic compounds (ROCs; also known as ROGs and volatile organic compounds [VOCs]) are formed from the combustion of fuels and the evaporation of organic solvents. ROCs are not defined as criteria pollutants, but are a prime component of the photochemical smog reaction. Consequently, ROC accumulates in the atmosphere more quickly during the winter when sunlight is limited and photochemical reactions are slower. There are no attainment designations for ROC.

Sulfates. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to SO₂ during the combustion process and subsequently is converted to sulfate compounds in the atmosphere. The conversion of SO₂ to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features. The entire Basin is in attainment for the State standard for sulfates.

Hydrogen Sulfide. H₂S is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation. In 1984, an ARB committee concluded that the ambient standard for H₂S is adequate to protect public health and to significantly reduce odor annoyance. The entire Basin is unclassified for the State standard for H₂S.

Visibility-Reducing Particles. Visibility-reducing particles consist of suspended particulate matter, which 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 greatly in shape, size, and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt. The statewide standard is intended to limit the frequency and severity of visibility impairment due to regional haze. The entire Basin is unclassified for the State standard for visibility-reducing particles.

LOCAL AIR QUALITY

The SCAQMD, together with the ARB, maintains ambient air quality monitoring stations in the Basin. The air quality monitoring station closest to the site is the Riverside-Rubidoux Station, which monitors

all criteria air pollutant data. The air quality trends from this station are used to represent the ambient air quality in the project area. The pollutants monitored are CO, O₃, PM₁₀, PM_{2.5}, NO₂, and SO₂.¹ The ambient air quality data in Table E show that NO₂, SO₂, and CO levels are below the applicable State and Federal standards.

The State 1-hour O₃ standard was exceeded 13 to 52 times per year in the past 3 years. The Federal 8-hour O₃ standard was exceeded 26 to 47 days per year in the past 3 years, and the State 8-hour O₃ standard was exceeded 38 to 92 times per year in the past 3 years. The State 24-hour PM₁₀ standard was exceeded 10 to 97 days per year in the past 3 years, and the Federal 24-hour standard was not exceeded. The Federal 24-hour PM_{2.5} standard was exceeded 5 to 7 days per year in the past 3 years. The State annual average PM_{2.5} standards were exceeded in each of the last 3 years and the Federal annual average PM_{2.5} standards have not been exceeded in the past 3 years.

REGULATORY SETTINGS

Federal Regulations/Standards

Pursuant to the Federal Clean Air Act (CAA) of 1970, the EPA established national ambient air quality standards (NAAQS). The NAAQS were established for six major pollutants, termed “criteria” pollutants. Criteria pollutants are defined as those pollutants for which the Federal and State governments have established AAQS, or criteria, for outdoor concentrations in order to protect public health.

Data collected at permanent monitoring stations are used by the EPA to classify regions as “attainment” or “nonattainment,” depending on whether the regions met the requirements stated in the primary NAAQS. Nonattainment areas are imposed with additional restrictions as required by the EPA. The EPA has designated the SCAG as the Metropolitan Planning Organization (MPO) responsible for ensuring compliance with the requirements of the CAA for the Basin.

The EPA established new national air quality standards for ground-level O₃ and PM_{2.5} in 1997. On May 14, 1999, the Court of Appeals for the District of Columbia Circuit issued a decision ruling that the CAA, as applied in setting the new public health standards for O₃ and particulate matter, was unconstitutional as an improper delegation of legislative authority to the EPA. On February 27, 2001, the United States Supreme Court upheld the way the government sets air quality standards under the CAA. The court unanimously rejected industry arguments that the EPA must consider financial cost, as well as health benefits, in writing standards. The justices also rejected arguments that the EPA took too much lawmaking power from Congress when it set tougher standards for O₃ and soot in 1997.

¹ Air quality data, 2011–2013; Environmental Protection Agency (www.epa.gov/air/data/index.html) and California Air Resources Board (www.arb.ca.gov/adam/welcome.html) websites.

Table E: Ambient Air Quality Monitored in the Project Vicinity at the Riverside-Rubidoux Station

Pollutant	Standard	2011	2012	2013
Carbon Monoxide (CO)				
Maximum 1-hr concentration (ppm)		4.4	2.0	2.0
Number of days exceeded:	State: > 20 ppm	0	0	0
	Federal: > 35 ppm	0	0	0
Maximum 8-hr concentration (ppm)		1.35	1.59	ND
Number of days exceeded:	State: ≥ 9.0 ppm	0	0	0
	Federal: ≥ 9 ppm	0	0	0
Ozone (O₃)				
Maximum 1-hr concentration (ppm)		0.128	0.126	0.123
Number of days exceeded:	State: > 0.09 ppm	52	27	13
	Federal: > 0.07 ppm	92	70	38
Maximum 8-hr concentration (ppm)		0.115	0.102	0.103
Number of days exceeded:	State: > 0.07 ppm	92	70	38
	Federal: > 0.075 ppm	67 ¹	47	26
Coarse Particulates (PM₁₀)				
Maximum 24-hr concentration (µg/m ³)		82.7	67.0	135.0
Number of days exceeded:	State: > 50 µg/m ³	10	97	86
	Federal: > 150 µg/m ³	0	0	0
Annual arithmetic average concentration (µg/m ³)		32.5	33.4	34.6
Exceeded for the year:	State: > 20 µg/m ³	Yes	Yes	Yes
Fine Particulates (PM_{2.5})				
Maximum 24-hr concentration (µg/m ³)		60.8	38.1	60.3
Number of days exceeded:	Federal: > 35 µg/m ³	5 ²	7	6
	State: > 12 µg/m ³	Yes	Yes	Yes
Annual arithmetic average concentration (µg/m ³)		13.5	13.6	14.8
Exceeded for the year:	State: > 12 µg/m ³	Yes	Yes	Yes
	Federal: > 15 µg/m ³	No	No	No
Nitrogen Dioxide (NO₂)				
Maximum 1-hr concentration (ppm)		0.063	0.062	0.060
Number of days exceeded:	State: > 0.18 ppm	0	0	0
	Federal: > 0.030 ppm	ND ³	ND	ND
Annual arithmetic average concentration (ppm)		ND ³	ND	ND
Exceeded for the year:	State: > 0.030 ppm	ND	ND	ND
	Federal: > 0.053 ppm	ND	ND	ND
Sulfur Dioxide (SO₂)				
Maximum 24-hr concentration (ppm)		0.001	0.001	0.001
Number of days exceeded:	State: > 0.04 ppm	0	0	ND
	Federal: > 0.14 ppm	0	0	ND
Annual arithmetic average concentration (ppm)		0.001	ND	ND
Exceeded for the year:	Federal: > 0.030 ppm	No	ND	ND

Sources: Environmental Protection Agency (www.epa.gov/air/data/index.html) and California Air Resources Board (www.arb.ca.gov/adam/welcome.html) websites. (Note that full 2012 data are not yet available.)

¹ The exceedances of the Federal 8-hr O₃ standard are based on the old 0.08 ppm standard.

In April 2008, the EPA revised the standard to 0.075 ppm.

² The exceedances of the Federal 24-hour PM_{2.5} standard are based on the old 65 µg/m³ standard. In 2006, the EPA revised the standard to 35 µg/m³.

³ No data available.

EPA = United States Environmental Protection Agency

hr = hour

µg/m³ = micrograms per cubic meter

PM₁₀ = particulate matter less than 10 microns in diameter

PM_{2.5} = particulate matter less than 2.5 microns in diameter

ppm = parts per million

Nevertheless, the court threw out the EPA's policy for implementing new O₃ rules, saying that the agency ignored a section of the law that restricts its authority to enforce such rules.

In April 2003, the EPA was cleared by the White House Office of Management and Budget (OMB) to implement the 8-hour ground-level O₃ standard. The EPA issued the proposed rule implementing the 8-hour O₃ standard in April 2003. The EPA completed final 8-hour nonattainment status on April 15, 2004. The EPA revoked the 1-hour O₃ standard on June 15, 2005, and lowered the 8-hour O₃ standard from 0.08 ppm to 0.075 ppm on April 1, 2008.

The EPA issued the final PM_{2.5} implementation rule in fall 2004. The EPA lowered the 24-hour PM_{2.5} standard from 65 to 35 µg/m³ and revoked the annual PM₁₀ standard on December 17, 2006. The EPA issued final designations for the 2006 24-hour PM_{2.5} standard on December 12, 2008.

The United States has historically had a voluntary approach to reducing GHG emissions. However, on April 2, 2007, the United States Supreme Court ruled that the EPA has the authority to regulate CO₂ emissions under the CAA. While there currently are no adopted Federal regulations for the control or reduction of GHG emissions, the EPA commenced several actions in 2009 that are required to implement a regulatory approach to GCC.

On September 30, 2009, the EPA announced a proposal that focuses on large facilities emitting over 25,000 tons of GHG emissions per year. These facilities would be required to obtain permits that would demonstrate they are using the best practices and technologies to minimize GHG emissions.

On December 7, 2009, the EPA Administrator signed a final action under the CAA, finding that six GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆) constitute a threat to public health and welfare, and that the combined emissions from motor vehicles cause and contribute to GCC. This EPA action does not impose any requirements on industry or other entities. However, the findings are a prerequisite to finalizing the GHG emission standards for light-duty vehicles mentioned below.

On April 1, 2010, the EPA and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) announced a final joint rule to establish a national program consisting of new standards for model year 2012 through 2016 light-duty vehicles that will reduce GHG emissions and improve fuel economy. The EPA is finalizing the first-ever national GHG emissions standards under the CAA, and NHTSA is finalizing Corporate Average Fuel Economy (CAFE) standards under the Energy Policy and Conservation Act. The EPA GHG standards require these vehicles to meet an estimated combined average emissions level of 250 grams of CO₂ per mile in model year 2016, equivalent to 35.5 miles per gallon (mpg).

State Regulations/Standards

In 1967, the California Legislature passed the Mulford-Carrell Act, which combined two Department of Health bureaus, the Bureau of Air Sanitation and the Motor Vehicle Pollution Control Board, to establish the ARB. Since its formation, the ARB has worked with the public, the business sector, and local governments to find solutions to California's air pollution problems.

The ARB identified particulate emissions from diesel-fueled engines (diesel particulate matter [DPM]) as toxic air contaminants (TACs) in August 1998. Following the identification process, the ARB was required by law to determine whether there is a need for further control. In September 2000, the ARB adopted the Diesel Risk Reduction Plan (Diesel RRP), which recommends many control measures to reduce the risks associated with DPM and to achieve goals of 75 percent DPM reduction by 2010 and 85 percent by 2020.

In a response to the transportation sector's significant contribution to California's CO₂ emissions, AB 1493 (Pavley) was enacted on July 22, 2002. AB 1493 requires the ARB to set GHG emission standards for passenger vehicles and light-duty trucks (and other vehicles whose primary use is noncommercial personal transportation in the State) manufactured in 2009 and all subsequent model years. In setting these standards, the ARB considered cost effectiveness, technological feasibility, and economic impacts. The ARB adopted the standards in September 2004. When fully phased in, the near-term (2009 to 2012) standards would result in a reduction in GHG emissions of approximately 22 percent compared to the emissions from the 2002 fleet, while the midterm (2013 to 2016) standards would result in a reduction of approximately 30 percent. To set its own GHG emissions limits on motor vehicles, California must receive a waiver from the EPA. However, in December 2007, the EPA denied the request from California for the waiver. In January 2008, the California Attorney General filed a petition for review of the EPA's decision in the Ninth Circuit Court of Appeals; however, no decision on that petition has been published as of January 2009. On January 26, 2009, President Barack Obama issued an Executive Memorandum directing the EPA to reassess its decision to deny the waiver and to initiate any appropriate action.¹ On May 18, 2009, the President announced the enactment of a 35.5 mpg fuel economy standard for automobiles and light-duty trucks, which began to take effect in 2012. This standard is approximately the same standard that was proposed by California; therefore, the California waiver request was shelved.

In June 2005, Governor Schwarzenegger established California's GHG emissions reduction targets in Executive Order (EO) S-3-05. This EO established the following goals for the State of California: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80 percent below 1990 levels by 2050.

California's major initiative for reducing GHG emissions is outlined in AB 32, the "Global Warming Solutions Act," passed by the California State legislature on August 31, 2006. AB 32 requires the ARB to do the following:

- Establish a statewide GHG emissions cap for 2020, based on 1990 emissions, by January 1, 2008;
- Adopt mandatory reporting rules for significant sources of GHG emissions by January 1, 2008;
- Adopt an emissions reduction plan by January 1, 2009, indicating how emissions reductions will be achieved via regulations, market mechanisms, and other actions; and
- Adopt regulations to achieve the maximum technologically feasible and cost-effective reductions of GHGs by January 1, 2011.

¹ President Barack Obama. 2009. Memorandum to the Administrator of the EPA. State of California Request for Waiver Under 42 United States Code (USC) 7543(b), the Clean Air Act (January 26).

The ARB has established the level of GHG emissions in 1990 at 427 MMTCO₂e. The emissions target of 427 MMT requires the reduction of 169 MMT from the State's projected business-as-usual (BAU) 2020 emissions of 596 MMT. AB 32 requires the ARB to prepare a Scoping Plan that outlines the main State strategies for meeting the 2020 deadline and to reduce GHGs that contribute to GCC. The Scoping Plan was approved by the ARB on December 11, 2008, and includes measures to address GHG emission reduction strategies related to energy efficiency, water use, and recycling and solid waste, among other measures.¹ Emission reductions that are projected to result from the recommended measures in the Scoping Plan are expected to total 174 MMTCO₂e, which would allow California to attain the emissions goal of 427 MMTCO₂e by 2020. The Scoping Plan includes a range of GHG reduction actions that may include direct regulations, alternative compliance mechanisms, monetary and nonmonetary incentives, voluntary actions, and market-based mechanisms such as a cap-and-trade system. The Scoping Plan, even after Board approval, remains a recommendation. The measures in the Scoping Plan will not be binding until after they are adopted through the normal rulemaking process. The ARB rule-making process includes preparation and release of each of the draft measures, public input through workshops, and a public comment period, followed by an ARB Board hearing and rule adoption.

In addition to reducing GHG emissions to 1990 levels by 2020, AB 32 directed the ARB and the newly created CAT to identify a list of "discrete early action GHG reduction measures" that could be adopted and made enforceable by January 1, 2010. On January 18, 2007, Governor Schwarzenegger signed EO S-1-07, further solidifying California's dedication to reducing GHGs by setting a new Low Carbon Fuel Standard. This EO set a target to reduce the carbon intensity of California transportation fuels by at least 10 percent by 2020 and directed the ARB to consider the Low Carbon Fuel Standard as a discrete early action measure.

In June 2007, the ARB approved a list of 37 early action measures, including three discrete early action measures (Low Carbon Fuel Standard, Restrictions on High Global Warming Potential Refrigerants, and Landfill Methane Capture). Discrete early action measures are measures that were required to be adopted as regulations and made effective no later than January 1, 2010, the date established by Health and Safety Code (HSC) Section 38560.5. The ARB adopted additional early action measures in October 2007² that tripled the number of discrete early action measures. These measures relate to truck efficiency, port electrification, reduction of PFCs from the semiconductor industry, reduction of propellants in consumer products, proper tire inflation, and SF₆ reductions from the non-electricity sector. The combination of early action measures is estimated to reduce statewide GHG emissions by nearly 16 MMT.³

To assist public agencies in the mitigation of GHG emissions or analyzing the effects of GHGs under CEQA, including the effects associated with transportation and energy consumption, Senate Bill (SB) 97 (Chapter 185, 2007) requires the Governor's Office of Planning and Research (OPR) to develop CEQA guidelines on how to minimize and mitigate a project's GHG emissions. The OPR prepared, developed, and transmitted these guidelines in May 2009, the Resources Agency certified

¹ ARB. 2008. *Climate Change Proposed Scoping Plan: a Framework for Change* (October).

² ARB. 2007. *Expanded List of Early Action Measures to Reduce Greenhouse Gas Emissions in California Recommended for Board Consideration* (October).

³ ARB. 2007. "ARB approves tripling of early action measures required under AB 32." News Release 07-46. <http://www.arb.ca.gov/newsrel/nr102507.htm> (October 25).

and adopted them on December 30, 2009, and they became effective on March 18, 2010. The amendments encourage lead agencies to consider many factors in performing a CEQA analysis but preserve the discretion granted by CEQA to lead agencies in making their own determinations.

SB 375, signed into law on October 1, 2008, is intended to enhance the ARB's ability to reach AB 32 goals by directing the ARB to develop regional GHG emissions reduction targets to be achieved within the automobile and light truck sectors for 2020 and 2035. The ARB will work with California's 18 MPOs to align their regional transportation, housing, and land use plans and prepare a "Sustainable Communities Strategy" to reduce the number of vehicle miles traveled (VMT) in their respective regions and demonstrate each region's ability to attain its GHG reduction targets.

Additionally, SB 375 provides incentives for creating attractive, walkable, and sustainable communities and revitalizing existing communities. The bill exempts homebuilders from certain CEQA requirements if they build projects consistent with the new sustainable community strategies. It also encourages the development of more alternative transportation options to promote healthy lifestyles and reduce traffic congestion.

Regional Air Quality Planning Framework

The 1976 Lewis Air Quality Management Act established the SCAQMD and other air districts throughout the State. The Federal CAA Amendments of 1977 required that each state adopt an implementation plan outlining pollution control measures to attain the Federal standards in nonattainment areas of the State.

The ARB is responsible for incorporating air quality management plans for local air basins into a State Implementation Plan (SIP) for EPA approval. Significant authority for air quality control within them has been given to local air districts that regulate stationary-source emissions and develop local nonattainment plans.

Regional Air Quality Management Plan

The SCAQMD and the SCAG are responsible for formulating and implementing the Air Quality Management Plan (AQMP) for the Basin. Every 3 years the SCAQMD prepares a new AQMP, updating the previous plan and setting a 20-year horizon.

The main purpose of an AQMP is to bring the area into compliance with Federal and State air quality standards. Every 3 years, the SCAQMD prepares a new AQMP, updating the previous plan and having a 20-year horizon. The SCAQMD adopted the 2012 AQMP in December 2012, ARB approved it on January 23, 2013 and forwarded it to the EPA.

The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including the 2012 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventory methodologies for various source categories. The 2012 AQMP included the new and changing Federal requirements, implementation of new technology measures, and the continued development of economically sound, flexible compliance approaches.

THRESHOLDS OF SIGNIFICANCE

A number of modeling tools are available to assess air quality impacts of projects. In addition, certain air districts, such as the SCAQMD, have created guidelines and requirements to conduct air quality analysis. SCAQMD's current guidelines, *CEQA Air Quality Handbook* (April 1993) with associated updates, and the City of Riverside were adhered to in the assessment of air quality impacts for the proposed project. The current air quality, CalEEMod Version 2013.2.2, was used to estimate project-related mobile- and stationary-source emissions in this Air Quality Analysis.

The Air Quality Analysis includes estimated emissions associated with short-term construction and long-term operation of the proposed project. Criteria pollutants with regional impacts would be emitted by project-related vehicular trips, as well as by emissions associated with stationary sources used on site. Localized air quality impacts, i.e., higher CO concentrations (CO hot spots) near intersections or roadway segments in the project vicinity, would be small and less than significant due to the generally low ambient CO concentrations (maximum 5.3 ppm for the 1-hour period and 1.84 ppm for the 8-hour period) in the project area.

The net increase in pollutant emissions determines the significance and impact on regional air quality as a result of the proposed project. The results also allow the local government to determine whether the proposed project will deter the region from achieving the goal of reducing pollutants in accordance with the AQMP in order to comply with Federal and State AAQS.

On December 5, 2008, the SCAQMD adopted an interim GHG significance threshold for projects where the lead agency is using a tiered approach for determining significance. The objective of the SCAQMD's interim GHG significance threshold proposal was to achieve a GHG emission capture rate of 90 percent for all new or modified stationary-source projects.

Based on *Guidelines for the Implementation of California Environmental Quality Act*, Appendix G, Public Resource Code (PRC) Sections 15000–15387, a project would normally be considered to have a significant effect on air quality if the project would violate any AAQS, contribute substantially to an existing air quality violation, expose sensitive receptors to substantial pollutants concentrations, or conflict with adopted environmental plans and goals of the community in which it is located.

In addition to the Federal and State AAQS, the SCAQMD has established daily emissions thresholds for construction and operation of a proposed project in the Basin. It should be noted that the emissions thresholds were established based on the attainment status of the air basin in regard to air quality standards for specific criteria pollutants. Because the concentration standards were set at a level that protects public health with an adequate margin of safety (EPA), these emissions thresholds are regarded as conservative and would overstate an individual project's contribution to health risks.

REGIONAL THRESHOLDS FOR CONSTRUCTION EMISSIONS

The following CEQA significance thresholds for construction emissions have been established for the Basin:

- 75 pounds per day (lbs/day) of ROC
- 100 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM₁₀
- 55 lbs/day of PM_{2.5}
- 150 lbs/day of SO₂

Projects in the Basin with construction-related emissions that exceed any of these emission thresholds are considered to be significant under the SCAQMD guidelines.

REGIONAL THRESHOLDS FOR OPERATIONAL EMISSIONS

The following CEQA significance thresholds for operational emissions have been established for the Basin:

- 55 lbs/day of ROC
- 55 lbs/day of NO_x
- 550 lbs/day of CO
- 150 lbs/day of PM₁₀
- 55 lbs/day of PM_{2.5}
- 150 lbs/day of SO₂

Projects in the Basin with operational emissions that exceed any of these emission thresholds are considered to be significant under the SCAQMD guidelines.

Local Microscale Concentration Standards

The significance of localized project impacts under CEQA depends on whether ambient CO levels in the vicinity of the project are above or below State and Federal CO standards. If ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or Federal standard, project emissions are considered significant if they increase 1-hour CO concentrations by 1 ppm or more or 8-hour CO concentrations by 0.45 ppm or more. The following are applicable local emission concentration standards for CO:

- California State 1-hour CO standard of 20.0 ppm

- California State 8-hour CO standard of 9.0 ppm

THRESHOLDS FOR LOCALIZED SIGNIFICANCE

The SCAQMD published its *Final Localized Significance Threshold Methodology* in June 2003, recommending that all air quality analyses include an assessment of both construction and operational impacts on the air quality of nearby sensitive receptors. Localized Significance Thresholds (LSTs) represent the maximum emissions from a project site that are not expected to result in an exceedance of the national or State AAQS, as previously shown in Table A. LSTs are based on the ambient concentrations of that pollutant within the project Source Receptor Area (SRA) and the distance to the nearest sensitive receptor. For this project, the appropriate SRA for the Localized impacts analysis is the Metropolitan Riverside County area (SRA 23).

In the case of CO and NO₂, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a State or Federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM₁₀ and PM_{2.5}, both of which are nonattainment pollutants. For these two, the significance criteria are the pollutant concentration thresholds presented in SCAQMD Rules 403 and 1301. The Rule 403 threshold of 10.4 µg/m³ applies to construction emissions (and may apply to operational emissions at aggregate handling facilities). The Rule 1301 threshold of 2.5 µg/m³ applies to nonaggregate handling operational activities.

To avoid the need for every air quality analysis to perform air dispersion modeling, the SCAQMD performed air dispersion modeling for a range of construction sites less than or equal to 5 ac in size and created look-up tables that correlate pollutant emissions rates with project size to screen out projects that are unlikely to generate enough emissions to result in a locally significant concentration of any criteria pollutant. These look-up tables can also be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required.

For construction and operational emissions, the localized significance for a project smaller than 5 ac can be determined by performing the screening-level analysis before using the dispersion modeling because the screening-level analysis is more conservative, and if no exceedance of the screening-level thresholds is identified, then the chance of operational LST exceeding concentration standards is small. Since the total gross area for the project site is 3.14 ac, the LST screening thresholds for 3 ac are used in this analysis for construction emissions for a screening-level analysis first. Since the project is not an aggregate handling facility, operational LSTs are assessed with the SCAQMD screening thresholds as well.

Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to adverse air quality. Existing campus apartments nearest to the project site are approximately 85 feet (ft) (25 meters [m]) from the project site. Using the operations LST thresholds for receptors at 25 m from a 3 ac site for this project would result in a conservative analysis. Therefore, the following emissions thresholds apply during project construction:

Construction

- **LST Thresholds, 3 ac, 85 ft distance**

- 208 lbs/day of NO_x
- 1,147 lbs/day of CO
- 9.3 lbs/day of PM₁₀
- 5.5 lbs/day of PM_{2.5}

GLOBAL CLIMATE CHANGE

CEQA Guidelines Section 15064(b) provides that the “determination of whether a project may have a significant effect on the environment calls for careful judgment on the part of the public agency involved, based to the extent possible on scientific and factual data,” and further states that an “ironclad definition of significant effect is not always possible because the significance of an activity may vary with the setting.”

Appendix G of the CEQA Guidelines includes the following questions related to greenhouse gas emissions that are intended to encourage thoughtful assessment of impacts, and do not necessarily represent thresholds of significance:

- Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
- Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

However, despite this, currently neither the CEQA statutes nor any applicable guidelines, prescribe thresholds of significance or a particular methodology for performing an impact analysis. As with most environmental topics, significance criteria are left to the judgment and discretion of the lead agency. The SCAQMD has not adopted a significance threshold for GHG emissions for development projects¹ or a methodology for quantifying GHG emissions. However, the current draft thresholds released by SCAQMD for discussion purposes in September of 2010 include the option of using an efficiency metric based on the MT of GHG emissions per year per “service population.” Service population is defined as the sum of the residential population and employees; a development’s GHG emissions are divided by the service population to yield a GHG efficiency metric that is presented in terms of a “metric tons of CO₂e per service population per year” (MT/SP/YR) figure.

This report will use the SCAQMD’s draft efficiency metric of 4.8 MT/SP/YR to make its significance determinations. As this project includes only demolition, the service population would be the average number of workers per day. Finally, since no threshold of significance has been adopted for construction GHG emissions, consistent with methods used by the SCAQMD in their draft guidelines,

¹ SCAQMD adopted a significance threshold for industrial sources of 10,000 metric tons (MT) of CO₂e per year on December 5, 2008.

the one-time construction and vegetation change annual GHG emissions are amortized over a 30-year average project lifespan and compared to the SCAQMD's draft efficiency metric.¹

¹ This approach to one-time construction and vegetation change GHG emissions is based on the GHG Threshold Working Group Meeting No. 13 Minutes from August 26, 2009. Website: <http://www.aqmd.gov/ceqa/handbook/GHG/2009/aug26mtg/wkgrp13minutes.pdf>.

IMPACTS AND MITIGATION

Air pollutant emissions associated with the project would occur over the short term from construction activities, such as fugitive dust from demolition, site preparation, and grading, and emissions from equipment exhaust.

CONSTRUCTION IMPACTS

Equipment Exhausts and Related Construction Activities

Construction activities produce combustion emissions from various sources, such as demolition, grading, site preparation, utility engines, and motor vehicles transporting the construction crew. Exhaust emissions from construction activities envisioned on site would vary daily as construction activity levels change. The use of construction equipment on site would result in localized exhaust emissions. The site is expected to be balanced on-site, with little or no off-site transport of soils/dirts. Based on the SCAQMD guidelines, the project is not expected to disturb more than 5 ac on a daily basis. This analysis provides the peak-day construction emissions. Table F lists the tentative project construction schedule. Table G lists the potential construction equipment to be used during project construction.

The most recent version of the CalEEMod model (Version 2013.2.2) was used to calculate the construction emissions, as shown in Table H. The “Rough Grading” phase includes vegetation removal and site preparation. The emissions rates shown are from the CalEEMod output tables listed as “Mitigated Construction,” even though the only measures that have been applied to the analysis are the required construction emissions control measures, or standard conditions. They are also the combination of the on- and off-site emissions.

Since no exceedances of any criteria pollutants are expected, no significant impacts would occur for project construction. Standard measures are discussed later in this report. Details of the emission factors and other assumptions are included in Appendix A.

Table F: Tentative Project Construction Schedule

Phase Number	Phase Name	Phase Start Date	Phase End Date	Number of Days/Week	Number of Days
1	Demolition	08/01/2015	10/1/2015	5	44
2	Rough Grading	10/2/2015	10/13/2015	5	8

Note: The schedule is estimated from the site plan.

Table G: Diesel Construction Equipment Utilized by Construction Phase

Construction Phase	Off-Road Equipment Type	Off-Road Equipment Unit Amount	Hours Used per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	1	8	81	0.73
	Excavators	3	8	162	0.38
	Rubber-Tired Dozers	2	8	255	0.40
Rough Grading	Rubber-Tired Dozers	1	8	255	0.40
	Excavators	1	8	162	0.38
	Graders	1	8	174	0.41
	Tractors/Loaders/Backhoes	3	8	97	0.37

Source: CalEEMod Defaults.

Fugitive Dust

Fugitive dust emissions are generally associated with land clearing and exposure of soils to the air and wind, as well as cut-and-fill grading operations. Dust generated during construction varies substantially on a project-by-project basis, depending on the level of activity, the specific operations, and weather conditions at the time of construction.

Construction emissions can vary greatly depending on the level of activity, the specific operations taking place, the equipment being operated, local soils, weather conditions, and other factors. The proposed project will be required to comply with SCAQMD Rules 402 and 403 to control fugitive dust.

Table H: Short-Term Regional Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (lbs/day)								
	ROG	NO _x	CO	SO ₂	Fugitive PM ₁₀	Exhaust PM ₁₀	Fugitive PM _{2.5}	Exhaust PM _{2.5}	CO _{2e}
Demolition	4.6	49	37	0.043	0.27	2.5	0.062	2.3	4,400
Rough Grading	3.9	40	28	0.032	2.7	2.3	1.4	2.1	3,300
Peak Daily Emissions	4.6	49	37	0.043	5.0		3.5		4,400
SCAQMD Thresholds	75	100	550	150	150		55		No
Significant Emissions?	No	No	No	No	No		No		Threshold

Source: LSA Associates, Inc. (December 2014).

CO = carbon monoxide

CO₂ = carbon dioxide

CO_{2e} = carbon dioxide equivalent

lbs/day = pounds per day

NO_x = nitrogen oxides

PM_{2.5} = particulate matter less than 2.5 microns in size

PM₁₀ = particulate matter less than 10 microns in size

ROG = reactive organic compounds

SCAQMD = South Coast Air Quality Management District

SO_x = sulfur oxides

Table H lists total construction emissions (i.e., fugitive dust emissions and construction equipment exhausts) that have incorporated a number of feasible control measures that can be reasonably implemented to significantly reduce PM₁₀ emissions from construction.

Localized Impact Analysis

The SCAQMD has issued guidance on applying CalEEMod modeling results to LST analyses.¹ Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to noise and air pollutants. There are existing residential uses approximately 85 ft (25 m) from the project site. Using the distance of 25 m would be considered a conservative analysis. Since the project is not expected to disturb more than 3 ac on a daily basis, using the LST levels for 3 ac is reasonable and adequate for this analysis. Table I shows that the emissions of the pollutants on the peak day of demolition will result in concentrations of pollutants at these nearest campus apartments residences that are all below the SCAQMD thresholds of significance.

Odors

Heavy-duty equipment in the project area during construction would emit odors. However, the construction activity would cease to occur after individual construction is completed. No other sources of objectionable odors have been identified for the proposed project, and no mitigation measures are required.

SCAQMD Rule 402 regarding nuisances states:

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

The proposed uses are not anticipated to emit any objectionable odors. Therefore, objectionable odors posing a health risk to potential on-site and existing off-site uses would not occur as a result of the proposed project.

Naturally Occurring Asbestos

The proposed project is located in Riverside County, which is not among the counties that are found to have serpentine and ultramafic rock in their soils. In addition, no serpentine or ultramafic rock has been found in the project vicinity in the past 10 years. Therefore, the potential risk for NOA during project construction is small and less than significant.

Construction Emissions Conclusions

Table H shows that daily regional construction emissions would not exceed the daily thresholds of any criteria pollutant emission thresholds established by the SCAQMD. Table I shows that during construction, there will be no LST impacts. The project's air emissions during construction do not

¹ From the SCAQMD website, www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

exceed any of the thresholds of significance established by the Air District or other thresholds set forth in CEQA Appendix G. Because these thresholds were established to protect human health, project-specific emissions would not have any significant impact on human health.

Table I: Construction Localized Impacts Analysis

Emissions Sources	NO _x	CO	PM ₁₀	PM _{2.5}
On-Site Emissions	48	36	4.9	3.5
LST Thresholds	208	1,147	9.3	5.5
Significant Emissions?	No	No	No	No

Source: LSA Associates, Inc. (December 2014).

SRA: Metropolitan Riverside County Area, 3 acres, less than 85-foot distance for residents

CO = carbon monoxide

NO_x = nitrogen oxides

lbs/day = pounds per day

PM_{2.5} = particulate matter less than 2.5 microns in size

LST = local significance threshold

PM₁₀ = particulate matter less than 10 microns in size

Greenhouse Gas Emissions

This section evaluates potential significant impacts to GCC that could result from implementation of the proposed project. Because it is not possible to tie specific GHG emissions to actual changes in climate, this evaluation focuses on the project's emission of GHGs. Mitigation measures are identified as appropriate.

GHG Emissions Background. Emissions estimates for the proposed project are discussed below. GHG emissions estimates are provided herein for informational purposes only, as there is no established quantified GHG emissions threshold. Bearing in mind that CEQA does not require “perfection” but instead “adequacy, completeness, and a good faith effort at full disclosure,” the analysis below is based on methodologies and information available to the City and the applicant at the time this analysis was prepared. Estimation of GHG emissions in the future does not account for all changes in technology that may reduce such emissions; therefore, the estimates are based on past performance and represent a scenario that is worse than that which is likely to be encountered (after energy-efficient technologies have been implemented). While information is presented below to assist the public and decision-makers in understanding the project's potential contribution to GCC impacts, the information available to the cities is not sufficiently detailed to allow a direct comparison between particular project characteristics and particular climate change impacts, nor between any particular proposed mitigation measure and any reduction in climate change impacts.

Overall, the following activities associated with the proposed project could directly or indirectly contribute to the generation of GHG emissions:

- **Construction Activities:** During construction of the project, GHGs would be emitted through the operation of construction equipment and from worker and vendor vehicles, each of which typically uses fossil-based fuels to operate. The combustion of fossil-based fuels creates GHGs such as CO₂, CH₄, and N₂O. Furthermore, CH₄ is emitted during the fueling of heavy equipment.

GHG emissions associated with the project would occur over the short term from construction activities and would consist primarily of emissions from equipment exhaust. Preliminary guidance from OPR and recent letters from the Attorney General critical of CEQA documents that have taken different approaches indicate that lead agencies should calculate, or estimate, emissions from vehicular traffic, energy consumption, water conveyance and treatment, waste generation, and construction activities.

Construction activities produce combustion emissions from various sources, such as demolition, utility engines, on-site heavy-duty construction vehicles, equipment hauling materials to and from the site, and motor vehicles transporting the construction crew. Exhaust emissions from on-site construction activities would vary daily as construction activity levels change. Table J lists the annual GHG emissions by construction phase, with the total GHG emissions for the whole construction process expected to be 100 MT.

Table J: Short-Term Regional Construction Emissions

Construction Phase	Total Regional Pollutant Emissions (MT/year)			
	CO ₂	CH ₄	N ₂ O	CO ₂ e
Demolition	87	0.022	0	88
Rough Grading	12	0.0034	0	12

Source: LSA Associates, Inc. (December 2014).

Note: Total construction GHG emissions = 100 MT CO₂e.

CH₄ = methane

MT = metric tons

CO₂ = carbon dioxide

MT/year = metric tons per year

CO₂e = carbon dioxide equivalent

N₂O = nitrous oxide

The traffic study determined that there would be 6 workers daily. The GHG emissions rate of 100 amortized over 30 years divided by the service population of 6 results in 0.56 MT/SP/yr, less than the threshold of 4.8 MT/SP/yr. Thus, the project emissions of GHG would be considered less than significant and no mitigation would be required.

STANDARD CONDITIONS

Construction Operations

The project is required to comply with regional rules that assist in reducing short-term air pollutant emissions. SCAQMD Rule 403 requires that fugitive dust be controlled with best-available control measures so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. In addition, SCAQMD Rule 403 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off site. Applicable dust suppression techniques from Rule 403 are summarized below. Implementation of these dust suppression techniques can reduce the fugitive dust generation (and thus the PM₁₀ component).

Compliance with these rules would reduce impacts on nearby sensitive receptors. See <http://www.aqmd.gov/rules/reg/reg04/r403.pdf> for rule details. As shown in Table H, implementation of Rule 403 measures results in dust emissions below SCAQMD thresholds.

PROJECT FEATURE

Global Climate Change Impacts

Project Feature GCC-1

To ensure reductions below the expected “Business As Usual” (BAU) scenario, the project will implement a variety of measures that will reduce its greenhouse gas (GHG) emissions. To the extent feasible, and to the satisfaction of the City of Riverside (City), the following measures will be incorporated into the design and construction of the project (including specific building projects):

Construction and Building Materials.

- Divert at least 50 percent of the demolished and/or grubbed construction materials (including, but not limited to, soil, vegetation, concrete, lumber, metal, and cardboard).

The project’s contribution to cumulative GHG emissions would be less than significant.

REFERENCES

California Air Resources Board website: <http://www.arb.ca.gov>.

South Coast Air Quality Management District. Air Quality Management Plan. 2007.

———. *CEQA Air Quality Handbook*. April 1993.

———. *Final Localized Significance Threshold Methodology*. June 2003.

———. *Final – Methodology to Calculate Particulate Matter (PM)_{2.5} and PM_{2.5} Significance Thresholds*. October 2006.

Western Regional Climate Center website: <http://www.wrcc.dri.edu>.

APPENDIX A
CALEEMOD MODEL PRINTOUTS

Riverside Free Methodist Church Demolition

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2015

Utility Company Riverside Public Utilities

CO2 Intensity (lb/MW/hr)	1325.65	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - The proposed project will consist of site clearing, building removal, and rough grading and will take approximately two to three months to complete.

Demolition - Demolition of a 3,942 sf sanctuary, a 2,340 sf fellowship hall, and a 3,360 sf education building.

Construction Off-road Equipment Mitigation - Standard dust control measures as required by SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tbiConstructionPhase	NumDays	20.00	44.00
tbiProjectCharacteristics	Operational Year	2014	2015

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	4.5891	48.7403	37.2006	0.0426	6.7200	2.4578	9.0494	3.4120	2.2922	5.5550	0.0000	4,372.5760	4,372.5760	1.1272	0.0000	4,396.2469
Total	4.5891	48.7403	37.2006	0.0426	6.7200	2.4578	9.0494	3.4120	2.2922	5.5550	0.0000	4,372.5760	4,372.5760	1.1272	0.0000	4,396.2469

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					
2015	4.5891	48.7403	37.2006	0.0426	2.7231	2.4578	5.0525	1.3578	2.2922	3.5009	0.0000	4,372.5760	4,372.5760	1.1272	0.0000	4,396.2469
Total	4.5891	48.7403	37.2006	0.0426	2.7231	2.4578	5.0525	1.3578	2.2922	3.5009	0.0000	4,372.5760	4,372.5760	1.1272	0.0000	4,396.2469

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.48	0.00	44.17	60.21	0.00	36.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.5767	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

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	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.5767	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	8/1/2015	10/1/2015	5	44	
2	Rough Grading	Grading	10/2/2015	10/13/2015	5	8	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading	Excavators	1	8.00	162	0.38
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Rough Grading	Graders	1	8.00	174	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	255	0.40
Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2015

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					0.2172	0.0000	0.2172	0.0329	0.0000	0.0329			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4	4,127.1934	1.1188		4,150.6886
Total	4.5083	48.3629	36.0738	0.0399	0.2172	2.4508	2.6680	0.0329	2.2858	2.3187		4	4,127.1934	1.1188		4,150.6886

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	0.0170	0.3016	0.1801	7.1000e-004	0.0174	5.9400e-003	0.0234	4.7800e-003	5.4600e-003	0.0102			72.6528	5.1000e-004		72.6636
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
Worker	0.0639	0.0758	0.9467	2.0100e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455			172.7297	7.8600e-003		172.8947
Total	0.0808	0.3774	1.1268	2.7200e-003	0.1851	7.0300e-003	0.1921	0.0493	6.4600e-003	0.0557			245.3826	8.3700e-003		245.5583

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															
Fugitive Dust					0.0847	0.0000	0.0847	0.0128	0.0000	0.0128			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886
Total	4.5083	48.3629	36.0738	0.0399	0.0847	2.4508	2.5355	0.0128	2.2858	2.2986	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886

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															
Hauling	0.0170	0.3016	0.1801	7.1000e-004	0.0174	5.9400e-003	0.0234	4.7800e-003	5.4600e-003	0.0102		72.6528	72.6528	5.1000e-004		72.6636
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0639	0.0758	0.9467	2.0100e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		172.7297	172.7297	7.8600e-003		172.8947
Total	0.0808	0.3774	1.1268	2.7200e-003	0.1851	7.0300e-003	0.1921	0.0493	6.4600e-003	0.0557		245.3826	245.3826	8.3700e-003		245.5583

3.3 Rough Grading - 2015 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															

Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675		0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298	2.3284	2.3284	2.3284	2.1421	2.1421	2.1421	3,129.0158	0.9341			3,148.6328
Total	3.8327	40.4161	26.6731	0.0298	6.5523	2.3284	8.8807	3.3675	2.1421	5.5096	3,129.0158	0.9341			3,148.6328

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0639	0.0758	0.9467	2.0100e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	172.7297	172.7297	172.7297	7.8600e-003		172.8947
Total	0.0639	0.0758	0.9467	2.0100e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	172.7297	172.7297	172.7297	7.8600e-003		172.8947

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298	2.3284	2.3284	2.3284	2.1421	2.1421	2.1421	0.0000	3,129.0158	0.9341			3,148.6328
Total	3.8327	40.4161	26.6731	0.0298	2.5554	2.3284	4.8838	1.3133	2.1421	3.4554	0.0000	3,129.0158	0.9341			3,148.6328

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	0.0639	0.0758	0.9467	2.0100e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	172.7297	172.7297	172.7297	7.8600e-003		172.8947
Total	0.0639	0.0758	0.9467	2.0100e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455	172.7297	172.7297	172.7297	7.8600e-003		172.8947

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	

	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															
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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															
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Mitigated	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004

Unmitigated	3.5767	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	N2O	7.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7082					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Total	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004

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	0.8685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7082					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Total	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Riverside Free Methodist Church Demolition

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2015

Utility Company Riverside Public Utilities

CO2 Intensity (lb/MW/hr)	1325.65	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - The proposed project will consist of site clearing, building removal, and rough grading and will take approximately two to three months to complete.

Demolition - Demolition of a 3,942 sf sanctuary, a 2,340 sf fellowship hall, and a 3,360 sf education building.

Construction Off-road Equipment Mitigation - Standard dust control measures as required by SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tbiConstructionPhase	NumDays	20.00	44.00
tbiProjectCharacteristics	Operational Year	2014	2015

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	4.5870	48.7569	37.0883	0.0425	6.7200	2.4579	9.0494	3.4120	2.2923	5.5550	0.0000	4,357.5333	4,357.5333	1.1272	0.0000	4,381.2044
Total	4.5870	48.7569	37.0883	0.0425	6.7200	2.4579	9.0494	3.4120	2.2923	5.5550	0.0000	4,357.5333	4,357.5333	1.1272	0.0000	4,381.2044

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					
2015	4.5870	48.7569	37.0883	0.0425	2.7231	2.4579	5.0525	1.3578	2.2923	3.5009	0.0000	4,357.5333	4,357.5333	1.1272	0.0000	4,381.2044
Total	4.5870	48.7569	37.0883	0.0425	2.7231	2.4579	5.0525	1.3578	2.2923	3.5009	0.0000	4,357.5333	4,357.5333	1.1272	0.0000	4,381.2044

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.48	0.00	44.17	60.21	0.00	36.98	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.5767	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

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	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	3.5767	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000	0.0000	7.3000e-004

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	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	8/1/2015	10/1/2015	5	44	
2	Rough Grading	Grading	10/2/2015	10/13/2015	5	8	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading	Excavators	1	8.00	162	0.38
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Rough Grading	Graders	1	8.00	174	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	255	0.40
Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHD1
Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHD1

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2015

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					0.2172	0.0000	0.2172	0.0329	0.0000	0.0329			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4	4,127.1934	1.1188		4,150.6886
Total	4.5083	48.3629	36.0738	0.0399	0.2172	2.4508	2.6680	0.0329	2.2858	2.3187		4	4,127.1934	1.1188		4,150.6886

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	0.0177	0.3132	0.1966	7.1000e-004	0.0174	5.9600e-003	0.0234	4.7800e-003	5.4800e-003	0.0103			72.4747	5.2000e-004		72.4856
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
Worker	0.0611	0.0808	0.8178	1.8400e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455			157.8652	7.8600e-003		158.0302
Total	0.0787	0.3940	1.0145	2.5500e-003	0.1851	7.0500e-003	0.1922	0.0493	6.4800e-003	0.0557			230.3399	8.3800e-003		230.5158

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															
Fugitive Dust					0.0847	0.0000	0.0847	0.0128	0.0000	0.0128			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886
Total	4.5083	48.3629	36.0738	0.0399	0.0847	2.4508	2.5355	0.0128	2.2858	2.2986	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886

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															
Hauling	0.0177	0.3132	0.1966	7.1000e-004	0.0174	5.9600e-003	0.0234	4.7800e-003	5.4800e-003	0.0103		72.4747	72.4747	5.2000e-004		72.4856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0611	0.0808	0.8178	1.8400e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8652	157.8652	7.8600e-003		158.0302
Total	0.0787	0.3940	1.0145	2.5500e-003	0.1851	7.0500e-003	0.1922	0.0493	6.4800e-003	0.0557		230.3399	230.3399	8.3800e-003		230.5158

3.3 Rough Grading - 2015 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															

Fugitive Dust				6.5523	0.0000	6.5523	3.3675	0.0000	3.3675		0.0000		0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298	2.3284	2.3284	2.1421	2.1421	2.1421	3,129.0158	0.9341		3,148.6328
Total	3.8327	40.4161	26.6731	0.0298	6.5523	2.3284	2.1421	2.1421	5.5096	3,129.0158	0.9341		3,148.6328

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0611	0.0808	0.8178	1.8400e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8652	157.8652	7.8600e-003		158.0302
Total	0.0611	0.0808	0.8178	1.8400e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8652	157.8652	7.8600e-003		158.0302

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298	2.3284	2.3284	2.3284	2.1421	2.1421	2.1421	0.0000	3,129.0158	3,129.0158	0.9341		3,148.6328
Total	3.8327	40.4161	26.6731	0.0298	2.5554	2.3284	4.8838	1.3133	2.1421	3.4554	0.0000	3,129.0158	3,129.0158	0.9341		3,148.6328

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	0.0611	0.0808	0.8178	1.8400e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8652	157.8652	7.8600e-003		158.0302
Total	0.0611	0.0808	0.8178	1.8400e-003	0.1677	1.0900e-003	0.1688	0.0445	1.0000e-003	0.0455		157.8652	157.8652	7.8600e-003		158.0302

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	

	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															
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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															
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Mitigated	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004

Unmitigated	3.5767	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.9000e-004	6.9000e-004	0.0000	N2O	7.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7082					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Total	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004

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	0.8685					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.7082					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004
Total	3.5767	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		6.9000e-004	6.9000e-004	0.0000		7.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Riverside Free Methodist Church Demolition

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	3.14	Acre	3.14	136,778.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2015

Utility Company Riverside Public Utilities

CO2 Intensity (lb/MMWhr)	1325.65	CH4 Intensity (lb/MMWhr)	0.029	N2O Intensity (lb/MMWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - The proposed project will consist of site clearing, building removal, and rough grading and will take approximately two to three months to complete.

Demolition - Demolition of a 3,942 sf sanctuary, a 2,340 sf fellowship hall, and a 3,360 sf education building.

Construction Off-road Equipment Mitigation - Standard dust control measures as required by SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tbiConstructionPhase	NumDays	20.00	44.00
tbiProjectCharacteristics	Operational Year	2014	2015

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.1164	1.2348	0.9268	1.0600e-003	0.0357	0.0634	0.0990	0.0154	0.0590	0.0744	0.0000	98.9479	98.9479	0.0259	0.0000	99.4921
Total	0.1164	1.2348	0.9268	1.0600e-003	0.0357	0.0634	0.0990	0.0154	0.0590	0.0744	0.0000	98.9479	98.9479	0.0259	0.0000	99.4921

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					
2015	0.1164	1.2348	0.9268	1.0600e-003	0.0168	0.0634	0.0801	6.7800e-003	0.0590	0.0658	0.0000	98.9478	98.9478	0.0259	0.0000	99.4920
Total	0.1164	1.2348	0.9268	1.0600e-003	0.0168	0.0634	0.0801	6.7800e-003	0.0590	0.0658	0.0000	98.9478	98.9478	0.0259	0.0000	99.4920

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	53.02	0.00	19.08	56.09	0.00	11.63	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6527	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.6527	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

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	0.6527	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.6527	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	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	8/1/2015	10/1/2015	5	44	
2	Rough Grading	Grading	10/2/2015	10/13/2015	5	8	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Rough Grading	Excavators	1	8.00	162	0.38
Demolition	Excavators	3	8.00	162	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Rough Grading	Graders	1	8.00	174	0.41
Rough Grading	Rubber Tired Dozers	1	8.00	255	0.40
Rough Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

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	44.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2015

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					4.7800e-003	0.0000	4.7800e-003	7.2000e-004	0.0000	7.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0992	1.0640	0.7936	8.8000e-004		0.0539	0.0539		0.0503	0.0503	0.0000	82.3708	82.3708	0.0223	0.0000	82.8397
Total	0.0992	1.0640	0.7936	8.8000e-004	4.7800e-003	0.0539	0.0587	7.2000e-004	0.0503	0.0510	0.0000	82.3708	82.3708	0.0223	0.0000	82.8397

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	3.9000e-004	7.0000e-003	4.4300e-003	2.0000e-005	3.8000e-004	1.3000e-004	5.1000e-004	1.0000e-004	1.2000e-004	2.2000e-004	0.0000	1.4485	1.4485	1.0000e-005	0.0000	1.4487
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	1.2700e-003	1.8500e-003	0.0187	4.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	3.1936	3.1936	1.6000e-004	0.0000	3.1969
Total	1.6600e-003	8.8500e-003	0.0231	6.0000e-005	4.0100e-003	1.5000e-004	4.1600e-003	1.0600e-003	1.4000e-004	1.2100e-003	0.0000	4.6421	4.6421	1.7000e-004	0.0000	4.6456

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					1.8600e-003	0.0000	1.8600e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0992	1.0640	0.7936	8.8000e-004	0.0539	0.0539	0.0539	0.0503	0.0503	0.0503	0.0000	82.3707	82.3707	0.0223	0.0000	82.8396
Total	0.0992	1.0640	0.7936	8.8000e-004	1.8600e-003	0.0539	0.0558	2.8000e-004	0.0503	0.0506	0.0000	82.3707	82.3707	0.0223	0.0000	82.8396

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	3.9000e-004	7.0000e-003	4.4300e-003	2.0000e-005	3.8000e-004	1.3000e-004	5.1000e-004	1.0000e-004	1.2000e-004	2.2000e-004	0.0000	1.4485	1.4485	1.0000e-005	0.0000	1.4487
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2700e-003	1.8500e-003	0.0187	4.0000e-005	3.6300e-003	2.0000e-005	3.6500e-003	9.6000e-004	2.0000e-005	9.9000e-004	0.0000	3.1936	3.1936	1.6000e-004	0.0000	3.1969
Total	1.6600e-003	8.8500e-003	0.0231	6.0000e-005	4.0100e-003	1.5000e-004	4.1600e-003	1.0600e-003	1.4000e-004	1.2100e-003	0.0000	4.6421	4.6421	1.7000e-004	0.0000	4.6456

3.3 Rough Grading - 2015

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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1617	0.1067	1.2000e-004		9.3100e-003	9.3100e-003		8.5700e-003	8.5700e-003	0.0000	11.3544	11.3544	3.3900e-003	0.0000	11.4256
Total	0.0153	0.1617	0.1067	1.2000e-004	0.0262	9.3100e-003	0.0355	0.0135	8.5700e-003	0.0220	0.0000	11.3544	11.3544	3.3900e-003	0.0000	11.4256

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	3.4000e-004	3.3900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5807	0.5807	3.0000e-005	0.0000	0.5813
Total	2.3000e-004	3.4000e-004	3.3900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5807	0.5807	3.0000e-005	0.0000	0.5813

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					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1617	0.1067	1.2000e-004	9.3100e-003	9.3100e-003	9.3100e-003	8.5700e-003	8.5700e-003	8.5700e-003	0.0000	11.3544	11.3544	3.3900e-003	0.0000	11.4256
Total	0.0153	0.1617	0.1067	1.2000e-004	0.0102	9.3100e-003	0.0195	5.2500e-003	8.5700e-003	0.0138	0.0000	11.3544	11.3544	3.3900e-003	0.0000	11.4256

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	3.4000e-004	3.3900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5807	0.5807	3.0000e-005	0.0000	0.5813
Total	2.3000e-004	3.4000e-004	3.3900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5807	0.5807	3.0000e-005	0.0000	0.5813

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles		Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.463772	0.070121	0.176196	0.171120	0.044771	0.007404	0.012633	0.041363	0.000985	0.001063	0.006436	0.000905	0.003230

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	PM2.5 Total	Exhaust PM2.5	Fugitive PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr												MT/yr				
Electricity Mitigated						0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr			
Mitigated	0.6527	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0000e-005	0.0000	0.0000	8.0000e-005
Unmitigated	0.6527	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0000e-005	0.0000	0.0000	8.0000e-005

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	0.1585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	0.6527	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

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	0.1585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4943					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

Total	0.6527	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0.70	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation



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IRVINE
PALM SPRINGS
PT. RICHMOND

ROCKLIN
SAN LUIS OBISPO

December 17, 2014; revised February 3, 2015

Mr. C. Pat Cowan, Sr. Vice President
KZ DevCo, LP
18818 Teller Avenue, Suite 100
Irvine, California 92612

Subject: MSHCP Consistency and Biological Resources Assessment Report for Demolition of the
Riverside Free Methodist Church Complex (LSA Project No. CTR1401)

Dear Mr. Cowan:

This letter report prepared for the proposed Demolition of the Riverside Free Methodist Church Complex serves to document the results of a Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) consistency analysis conducted by LSA Associates, Inc. (LSA) on a 3.14-acre site located at 8431 Diana Avenue in the City of Riverside, Riverside County, California. The site is located within Section 8, Township 3 South, Range 5 West, as shown on the U.S. Geological Survey (USGS) *Riverside West, California* 7.5-minute quadrangle (attached Figure 1).

BACKGROUND

The proposed project site is developed as a church facility with a 3,942-square foot sanctuary and 2,340-square foot fellowship hall constructed in 1963–64 and a 3,360-square foot education building constructed in 1979 (attached Figure 2). The site contains improvements consisting of a paved parking lot, concrete walkways, ornamental landscaping, a tot lot, and undeveloped area. The lead agency for the project, the City of Riverside, is a signatory of the MSHCP and is required to participate in the MSHCP. As such, the City of Riverside has the authority to meet the Federal and State Endangered Species Act and conservation planning obligations for its jurisdiction; therefore, information relating to the MSHCP is included in this report.

METHODS

A literature review was conducted to determine the existence or potential occurrence of sensitive plant and animal species on or in the vicinity of the project site. Database records for the *Riverside West, California* USGS 7.5-minute quadrangle were searched on November 20, 2014, using the California Department of Fish and Wildlife's Online Natural Diversity Data Base application *Rarefind 5* (CDFW, NDDb) and the California Native Plant Society's *Electronic Inventory of Rare and Endangered Vascular Plants of California* (online edition ver. 8-2, CNPS, 2014, <http://www.cnps.org/inventory>). Aerial photographs (Google 2014) were reviewed, and maps of U.S. Fish and Wildlife Service (USFWS) designated critical habitats were used to determine the locations of critical habitats relative to the project site. Volume 1 of the *Western Riverside County Multiple Species Habitat Conservation Plan* was also used to prepare the report.

The field survey included a site visit on November 20, 2014, by LSA Senior Biologist Sarah Barrera. Weather conditions were warm and sunny during the site visit, with a recorded temperature of 74° Fahrenheit. Winds were calm at approximately 0–2 miles per hour. Observations regarding general site conditions, vegetation, potential jurisdictional waters, and suitability of habitat for MSHCP special status plants, wildlife, and other biological resources were recorded. Soil types were determined using the *Soil Survey of Western Riverside Area, California* (A.A. Knecht 1971). All plant and animal species observed during the field survey were noted.

RESULTS AND DISCUSSION

The following discusses the existing setting, MSHCP consistency, and other regulatory requirements.

Existing Setting

Vegetation and Land Cover. The project site consists of a 3.14-acre developed lot. Total vegetation cover on the project site is approximately 10 percent consisting of ornamental trees, shrubs, and grass. Ornamental species observed identified on-site include Mexican fan palm (*Washingtonia robusta*), coast live oak (*Quercus agrifolia*), Brazilian pepper (*Schinus terebinthifolius*), sweetgum (*Liquidambar straciflua*) and pohutukawa (*Metrosideros excels*). No native vegetation remains within the study area.

Topography and Soils. The site has been graded and is entirely flat with an approximate elevation of 820 feet above mean sea level.

The soils mapped within the project site consist entirely of Arlington fine sandy loam, deep, 2 to 8 percent slopes. Due to development, the site may contain fill that is inconsistent with the mapped soils.

Wildlife. Wildlife species observed during the survey include black phoebe (*Sayornis nigricans*), house finch (*Carpodacus mexicanus*), white-crowned sparrow (*Zonotrichia leucophrys*), bushtit (*Psaltiriparus minimus*), and mourning dove (*Zenaida macroura*).

MSHCP Compliance

The project site was assessed to determine consistency with the requirements of the MSHCP including Criteria Cells; conservation areas and wildlife movement corridors and linkages; Criteria Area Species Survey Areas (CASSA) for plant, bird, mammal, and amphibian species; Narrow Endemic Plants Survey Areas (NEPSSA); and survey requirements for inadequately covered species. The MSHCP also requires that an assessment be completed to determine the effects of the project on riparian/riverine areas and vernal pools, and associated protected species in accordance with MSHCP Section 6.1.2, Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools. Projects located in proximity to an MSHCP Conservation Area may result in edge effects that could adversely affect biological resources within the MSHCP Conservation area. These edge effects must be addressed according to the Urban/Wildlands Interface Guidelines (MSHCP Section 6.1.4).

The parcel is within the *Cities of Riverside and Norco Area Plan* of the MSHCP. The project site is not within or adjacent to an MSHCP Criteria Cell, Public/Quasi Public lands, NEPSSA or CASSA, additional species survey areas, and does not contain riparian/riverine or vernal pool resources.

Additional Survey Requirements

Potential Jurisdictional Waters and Streambeds. The U.S. Army Corps of Engineers (USACE), under Section 404 of the Federal Clean Water Act (CWA), regulates discharges of dredged or fill material into “waters of the United States.” These waters include wetlands and non-wetland bodies of water that meet specific criteria, including a connection to interstate commerce. This connection may be direct (through a tributary system linking a stream channel with traditional navigable waters used in interstate or foreign commerce) or it may be indirect (through a connection identified in USACE regulations). The USACE typically regulates as non-wetland waters of the U.S. any body of water displaying an “ordinary high water mark” (OHWM). In order to be considered a “jurisdictional wetland” under Section 404, an area must possess hydrophytic vegetation, hydric soils, and wetland hydrology. The CDFW, under Sections 1600 et seq. of the California Fish and Game Code, regulates alterations to lakes, rivers, and streams. A stream is defined by the presence of a channel bed and banks and at least an occasional flow of water. The Regional Water Quality Control Board (RWQCB) is responsible for the administration of Section 401 of the CWA, through water quality certification of any activity that may result in a discharge to jurisdictional waters of the U.S. The RWQCB may also regulate discharges to “waters of the State,” including wetlands, under the California Porter-Cologne Water Quality Control Act.

No drainage features, ponded areas, or riparian habitat potentially subject to jurisdiction by the CDFW, USACE, and/or RWQCB were found within the project site. Thus, the project will not affect potential jurisdictional waters.

Migratory Bird Treaty Act. Raptors and other nesting bird species are protected by California Fish and Game Code Sections 3503 and 3503.5 and by the MBTA of 1918 (16 USC 703-711), which make it unlawful to take, possess, or needlessly destroy the nest or eggs of any migratory bird or bird of prey.

Trees and shrubs on site may provide nesting habitat for nesting birds. Therefore the project may have direct and indirect effects to migratory birds. Direct effects may result from the removal and destruction of nesting bird habitat (e.g., trees and shrubs), and indirect effects may result from increased noise and human presence during construction activities that may cause birds to abandon nests or negatively affect nestlings. If project activities are planned during the general bird nesting season (February 15 through August 31), nesting bird surveys would be required within 30 days prior to any ground-disturbing activities to ensure birds protected under the MBTA and California Fish and Game Code are not affected. Should nesting birds be found, an exclusionary buffer will be established by a qualified biologist. The buffer may be up to 500 feet in diameter depending on the species of nesting bird found. This buffer will be clearly marked in the field by construction personnel under guidance of the biologist, and construction or clearing will not be conducted within this zone until the biologist determines that the young have fledged or the nest is no longer active.

Other Adopted Habitat Conservation Plans. The project is within the Stephens' Kangaroo Rat Habitat Conservation Plan (SKR HCP) fee boundary, but is not within a SKR HCP core reserve.

Payment of the SKR HCP Mitigation Fee is required upon issuance of a grading permit or a certificate of occupancy or upon final inspection, whichever occurs first.

RECOMMENDATIONS

The following actions are recommended to be consistent with the MSHCP and other regulatory requirements:

- Initial ground-disturbing activities (e.g., grading) should be conducted outside the bird nesting season (February 15 through August 31). If project activities are planned during the bird nesting season, nesting bird surveys should be conducted within 30 days prior to disturbance to ensure birds protected under the MBTA are not disturbed by construction-related activities such as noise and increased human presence.
 - o Should nesting birds be found, an exclusionary buffer will be established by a qualified biologist. The buffer may be up to 500 feet in diameter depending on the species of nesting bird found. This buffer will be clearly marked in the field by construction personnel under guidance of the biologist, and construction or clearing will not be conducted within this zone until the biologist determines that the young have fledged or the nest is no longer active.

Sincerely,

LSA ASSOCIATES, INC.



Sarah Barrera
Senior Biologist

Attachments: Figure 1: Regional and Project Location
Figure 2: Study Area, Land Use, and Photograph Locations Map
Figure 3: Site Photographs

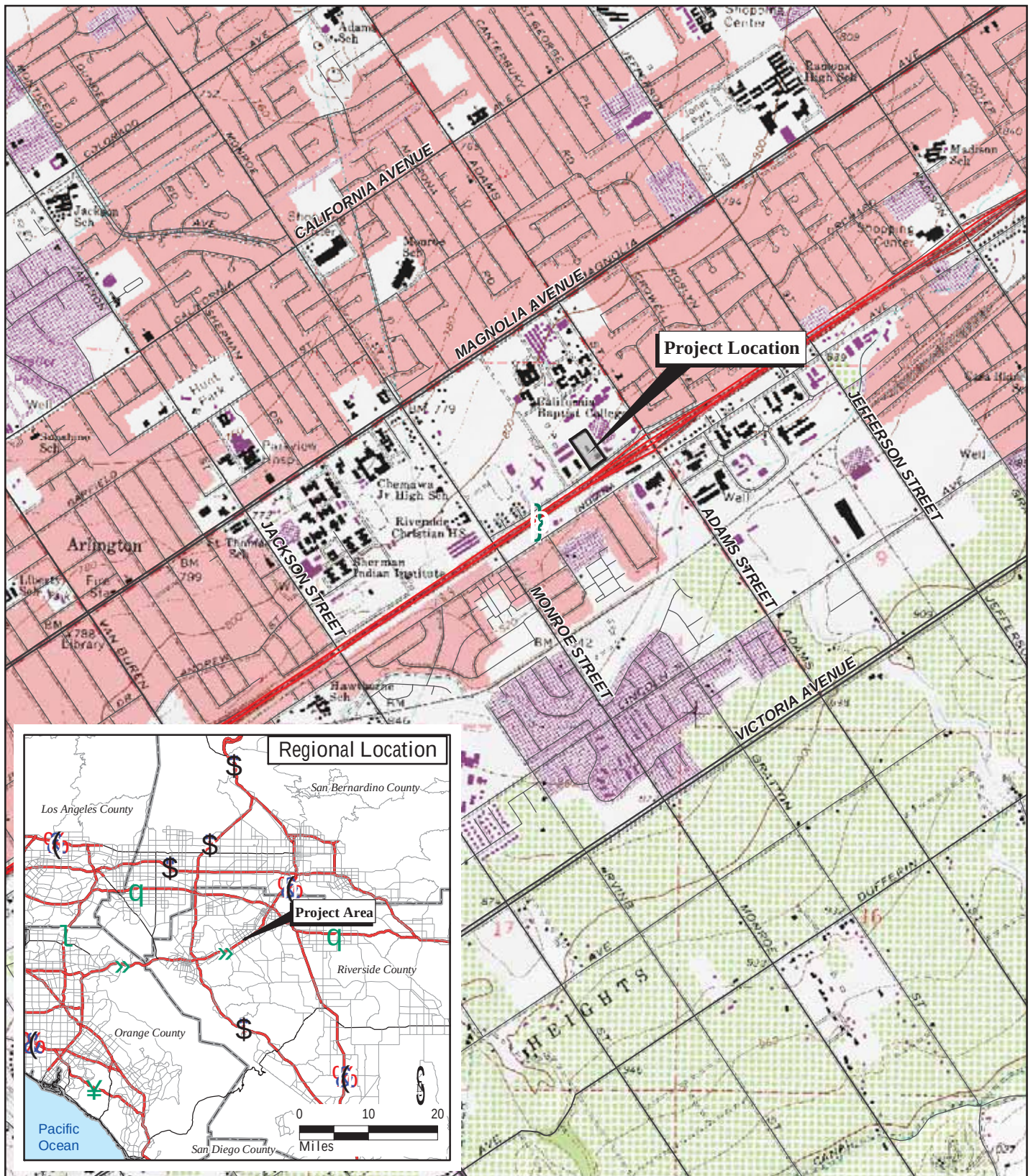
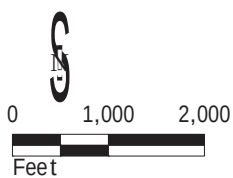


FIGURE 1

LSA



SOURCE: USGS 7.5' Quad: Riverside West (1980), CA; Riverside County, 2014

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

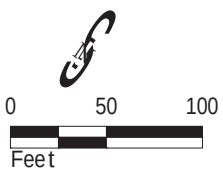
Riverside Free Methodist
Church Demolition Project
General Biological Resources

Regional and Project Location



FIGURE 2

LSA



- Project Location
- Developed/Ornamental
- ↖
 Photo Location

SOURCE: Google Earth, 2014; Riverside County, 2014

Land Use and Site Photograph Locations Map



PHOTOGRAPH 1: *View of Parking Lot on west side of existing church facility, facing southwest.*



PHOTOGRAPH 2: *View of Parking Lot on north side of existing church facility, facing northwest.*

L S A

FIGURE 3A

*Riverside Free Methodist
Church Demolition Project
General Biological Resources
Site Photographs*



PHOTOGRAPH 3: View of ornamental trees and lawn on south side of existing church facility, facing southwest.



PHOTOGRAPH 4: View of existing church facility courtyard with landscaping and ornamental vegetation, facing northwest.

L S A

FIGURE 3B

*Riverside Free Methodist
Church Demolition Project
General Biological Resources
Site Photographs*

APPENDIX E



Phase I Environmental Site Assessment Report

**Riverside Free Methodist Church
APN 231-070-007
8431 Diana Avenue
Riverside, California**

**Converse Project No. 14-16-151-01
June 20, 2014**

Prepared For:

**California Baptist University
8432 Magnolia Avenue
Riverside, CA 92504**

Prepared By:

**CONVERSE CONSULTANTS
10391 Corporate Drive
Redlands, California 92374**

June 20, 2014

Mr. Adam Burton
Vice President and General Counsel
California Baptist University
8432 Magnolia Avenue
Riverside, CA 92504

Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
Riverside Free Methodist Church
APN 231-070-007
8431 Diana Avenue
Riverside, California
CONVERSE Project No. 14-16-151-01

Mr. Burton:

Converse Consultants (Converse) is pleased to submit the attached report that summarizes the activities and the results of a Phase I Environmental Site Assessment (Phase I ESA) that was conducted at the referenced property (Property).

A summary of the assessment is presented in the Executive Summary, as well as in Sections 7.0, 8.0, and 9.0 of the report. Recognized Environmental Conditions were not identified during this assessment.

We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact Alex Fernandez or Steve Weatherton at (909) 796-0544.

CONVERSE CONSULTANTS



Alex Fernandez
Senior Staff Environmental Scientist



Steven T. Weatherton
Project Manager



Norman S. Eke
Managing Officer

Dist.: [1/Addressee via Electronic Mail (PDF Format)]

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APPENDICES

Appendix A – Application for Authorization to Use

Appendix B – Property Plans

Appendix C – Pertinent Property Photographs

Appendix D – Historical Aerial Photographs & Preliminary Title Report

Appendix E – EDR-Radius Map Report

TABLES

Table 1 – Aerial Photograph and Map Review

Table 2 – Interior Observations of Property

Table 3 – Exterior Observations of Property

Table 4 – Adjoining Property Use

Executive Summary

The following is an Executive Summary of the Phase I Environmental Site Assessment (Phase I ESA) that was conducted by Converse Consultants (Converse). Please refer to the appropriate sections of the report for a complete discussion of these issues. In the event of a conflict between this Executive Summary and the report, or an omission in the Executive Summary, the report shall prevail.

This report presents the results of the Converse Consultants (Converse) Phase I Environmental Site Assessment (ESA) performed for the Riverside Free Methodist Church located at 8431 Diana Avenue, in Riverside, Riverside County, California, referred to as the Property in this report. Converse was retained by California Baptist University to conduct this Phase I ESA. Our study has been conducted in order to identify, to the extent feasible, Recognized Environmental Conditions (RECs) in connection with the Property.

Converse has compiled and reviewed information that was obtained from interviews, document research, and on-site and area reconnaissance to identify potential environmental conditions at the Property, in conformance with the ASTM Standard E: 1527-13 Environmental Site Assessment Standard Practice (ASTM Standard: E1527-13). This Phase I ESA was conducted during the period of June 5, 2014 to June 20 2014.

The Property currently consists of an approximate 3.13-acre, rectangular shaped lot developed with a church facility (Riverside Free Methodist Church), located at 8431 Diana Avenue in the City of Riverside, Riverside County, California. The facility consists of a worship center building on the southern portion and two administrative and classroom type buildings on the northern portion. The Assessor Parcel Number (APN) for the Property is 231-070-007.

According to historical information gathered by Converse, the Property appeared to be agricultural groves from at least 1931 to 1938. By 1948, the Property appeared to be vacant land. In 1963, the Property was developed with two church buildings on the southern and northwest portions. In 1979, the Property was developed with an educational building on the northeast portion. The Property appeared to remain in the same configuration as observed during the June 2014 reconnaissance.

The Property was not identified in the EDR report. No adjoining properties were identified in the EDR report.

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *Property*.

Based on this assessment, Converse has the following conclusions and recommendations:

- No further assessment is warranted at this time.

Information was requested from the Riverside County Department of Environmental Health (DEH), but was not received in time for inclusion in this report. However, this is not deemed significant based on the known current and historical use of the Property.

In addition, the Property utilizes a septic system on the northern portion. If the Property is to be redeveloped, Converse recommends the septic system be abandoned according to applicable rules and regulations.

1.0 Introduction

1.1 Purpose and Scope of Services

This report presents the results of the Converse Consultants (Converse) Phase I Environmental Site Assessment (ESA) performed for the Riverside Free Methodist Church located at 8431 Diana Avenue, in Riverside, Riverside County, California, referred to as the Property in this report. Converse was retained by California Baptist University to conduct this Phase I ESA. Our study has been conducted in order to identify, to the extent practical, Recognized Environmental Conditions (RECs) in connection with the Property. The term Recognized Environmental Conditions is defined in Section 1.1.1 of the American Society of Testing and Materials (ASTM) Standard Practice as *the presence or likely presence of any hazardous substances or petroleum products in, at or on a property due to any release to the environment; under conditions indicative of a release to the environment; under conditions that pose a material threat of a future release to the environment.*

This Phase I ESA was completed in accordance with our dated June 5, 2014. Our work consisted of the following and was completed in general conformance with the scope and limitations of the ASTM Practice E1527-13 and complies with standards and practices set forth in 40 Code of Federal Regulations (CFR) Part 312 for AAI.

- Interviews with the Property owner representatives
- Property and vicinity reconnaissance
- Review of regulatory agency records
- Description of physical setting
- Historical review
- Interviews with public agency personnel
- Preparation of this report

1.2 Non-Scope Considerations

There are a number of non-scope issues which are sometimes assessed concurrently with a Phase I ESA. Unless specifically agreed in the contract proposal documents, these non-scope considerations are not included as part of the Phase I assessment. Examples of non-scope issues include:

• Asbestos-containing building material	• Radon
• Lead-base Paint	• Lead in Drinking Water
• Wetlands	• Regulatory Compliance

- Cultural & Historic Resources
- Industrial Hygiene
- Health & Safety
- Mold
- Diffuse Anthropogenic Pollution
- Ecological Resources
- Endangered Species
- Indoor Air Quality
- Biological Agents
- Non-liquid Polychlorinated Biphenyls

1.3 Significant Assumptions

Converse made the following assumptions for this assessment:

- The Property was not covered on currently published groundwater contour maps. Therefore, the direction of regional groundwater is inferred to follow surface topography.

1.4 Limitations and Exceptions

No limitations or exceptions were encountered during this assessment.

1.5 Special Terms and Conditions

The Client was responsible for providing Attachment A & B of the proposal to those identified. Converse did receive a completed Attachment 'A' (User Questionnaire) and Attachment 'B' (Client/User/Owner Provided Information) from the identified user.

1.6 Reliance

This report is for the sole benefit and exclusive use of California Baptist University and Gresham, Savage, Nolan & Tilden in accordance with the terms and conditions attached to our proposal under which these services have been provided. Its preparation has been in accordance with generally accepted environmental practices. No other warranty, either express or implied, is made. The Scope of Services associated with the report was designed solely in accordance with the objectives, schedule, budget, and risk-management preferences of California Baptist University and Gresham, Savage, Nolan & Tilden.

This report should not be regarded as a guarantee that no further contamination, beyond that which could be detected within the scope of this assessment, is present at the Property. Converse makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. It is possible that information exists beyond the scope of this assessment. It is not

possible to absolutely confirm that no hazardous materials and/or substances exist at the Property. If none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials, but merely the results of the evaluation of the property at the time of the assessment. Also, events may occur after the Property visit, which may result in contamination of the Property. Additional information, which was not found or available to Converse at the time of report preparation, may result in a modification of the conclusions and recommendations presented.

Any reliance on this report by Third Parties shall be at the Third Party's sole risk. Should California Baptist University and Gresham, Savage, Nolan & Tilden wish to identify any additional relying parties not previously identified, a completed *Application of Authorization to Use* (see Appendix A of this report) must be submitted to Converse Consultants.

2.0 Property Description

2.1 Current Use(s) of the Property

The Property currently consists of an approximate 3.13-acre, rectangular shaped lot developed with a church facility (Riverside Free Methodist Church), located at 8431 Diana Avenue in the City of Riverside, Riverside County, California. The facility consists of a worship center building on the southern portion and two administrative and classroom type buildings on the northern portion.

A Property location map and a field generated Property map are provided in Appendix B. Pertinent Property photographs are provided in Appendix C.

2.2 Location and Legal Description

The Property is located at 8431 Diana Avenue in the City of Riverside, Riverside County, California. State Route 91 (Riverside Freeway) is located approximately $\frac{1}{8}$ -mile south of the Property.

The Assessor Parcel Number (APN) for the Property is 231-070-007. The legal description for each Property parcel is provided in Appendix D.

2.3 Zoning Information

According to the City of Riverside Planning Department, Online Zoning Information Map, the Property is currently zoned as residential (R-1-7000).

2.4 Property Characteristics

The Property is generally flat and consists of an approximate 3.13-acre, rectangular shaped lot developed with a church facility consisting of a worship center and two administrative and classroom type buildings. The Property exterior is covered primarily with grass and cement surfaces. The Property fronts onto Diana Avenue to the south.

2.5 Description of Property Structure(s)

The Property is developed with a single-story, irregular shaped building used as a worship center on the southern portion of the Property. The northern portion is developed with two, single-story, wood frame administrative and classroom type buildings.

The following services were observed to serve the Property vicinity at the time of this assessment.

- Electricity: Southern California Edison
- Gas: Southern California Gas Company
- Potable Water: City of Riverside
- Heating, Ventilation, Air Conditioning (HVAC): Roof mounted and cement-pad mounted.
- Sanitary Sewer: Septic System
- Solid Waste: CR & R

3.0 User/Owner Provided Information & Responsibilities

3.1 Requested Documents and Information

The ASTM E1527-13 specifies that the Property owner, key site manager and the User provide any helpful documents that may be available. In order to facilitate, and document, the collection of this information, Converse prepared a form titled Owner Interview and Helpful Information. Converse requested that the User, California Baptist University, as well as the Property owner complete the form.

The following documents and information were requested from California Baptist University. No documents were available for review, except as noted below.

- Environmental site assessment or environmental compliance audit reports
- Environmental permits or hazardous waste generator notices/reports
- Registrations for aboveground and underground storage tanks
- Septic systems, oil wells, or water wells
- Registrations for underground injection systems
- Material Safety Data Sheets; Community Right to Know Plans; or Safety, Preparedness and prevention Plans; Spill Protection Countermeasures and Control Plans
- Reports regarding hydrologic conditions on the Property or surrounding area
- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the Property or relating to environmental liens encumbering the Property.
- Hazardous waste generator notices or reports
- Geotechnical studies
- Risk assessments
- Recorded Activity Use Limitations (AULs)
- Proceedings regarding hazardous substances and petroleum products including any pending, threatened or past: litigation; administrative proceedings; or notices from any governmental entity regarding possible violations of environmental laws or other possible liability related to hazardous substances or petroleum products.

California Baptist University provided Converse with a Preliminary Title Report dated May 29, 2014 issued by Lawyers Title Company for the purpose of title insurance for First Free Methodist Church of Riverside. No information regarding RECs was found. A copy of the title report is included in Appendix D.

3.2 User Provided Information

Section 6 of ASTM E1527-13 outlines specific User's responsibilities. This information will help identify the possibility of RECs in connection with the Property. The ASTM Standard provides a questionnaire to help the User to comply with the statutory requirements to perform tasks which would help identify RECs. Converse included the questionnaire as Attachment A to our proposal. In general, any Users should make Converse aware of information they have regarding the following:

- Environmental Cleanup Liens filed or recorded against the Property
- Activity and land use limitations that are in place on the Property or have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the Legal Liability Protections (LLP)
- Relationship of the purchase price to fair market value of the Property if it were not contaminated
- Commonly known or reasonably ascertainable information about the Property
- The degree or obviousness of the presence or likely presence of contamination at the Property, and the ability to detect this contamination by appropriate investigation.

The following information was requested from the User(s) California Baptist University:

3.2.1 Environmental Cleanup Liens

The User provided no information regarding environmental cleanup liens or title records.

3.2.2 Activity and Use Limitations

The User did not provide any information indicating they were aware of any AULs.

3.2.3 Specialized Knowledge or Experience

The User did not provide any information indicating they had specialized knowledge or experience related to the Property or nearby property.

3.2.4 Reason for Significantly Lower Purchase Price

Converse has no information regarding the purchase price of the Property or comparable properties. The User has not indicated to Converse that there is

any conclusion that there was a lower purchase price because of known or suspected contamination at the Property.

3.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide any information about: past uses; specific chemicals at the Property; past spills; environmental cleanup or other reasonably ascertainable information regarding the Property.

3.2.6 Obviousness of Contamination

The User did not provide any information based on their knowledge or experience that would be obvious indicators of contamination on the Property.

Unless specifically stated otherwise in the Scope of Services, the purpose of this Phase I ESA was to qualify for the landowner liability protections to CERCLA Liability as described in ASTM E1527-13.

Business risk unrelated to the CERCLA innocent landowners defense are only assessed as specifically agreed in the Scope of Services and discussed in Section 11.0, Additional Non-Scope Services, of this report.

3.3 Continuing Obligations

In order to assert a LLP, the User must satisfy a number of statutory requirements that are generally referred to as Continuing Obligations, which are outside the Scope of Services of the Phase I ESA. Examples of Continuing Obligations include providing legally required notices stopping continuing releases and complying with land use restrictions. Failure to comply with these and other statutory post-acquisition requirements will jeopardize liability protection.

It is the responsibility of the User to comply with the Continuing Obligations requirements of ASTM E1527-13 and AAI. Anyone seeking LLP protections should take independent action beyond this Phase I ESA to perfect their position.

4.0 Records Review

4.1 *Physical Setting*

4.1.1 Geology

The Property is located approximately 823 feet above mean sea level (MSL) with surface topography sloping towards the west-northwest (United States Geological Survey [USGS] Topographic Map, Riverside West, California, 1978, photorevised 1980). The dominant surficial material on the Property consists of well drained fine sandy loam soils from the ARLINGTON series (United States Department of Agriculture Soil Conservation Service – Soil Conservation Service STATSGO data, 1974, EDR 2014).

4.1.2 Groundwater

According to the Western Municipal Water District, Cooperative Well Measuring Program, Spring 2013 Data, the nearest well with data (State Well ID# 03S/05W-08E002S; Sherman High) is located approximately ½-mile west of the Property. Depth to groundwater at this well was measured at 31.6 feet below ground surface (bgs) on April 26, 2013. No groundwater flow information was available, therefore, groundwater flow was assumed to follow surface topography.

4.1.3 Potable Water Supplier

Potable water is supplied by the City of Riverside.

4.2 *Historical Review*

4.2.1 Aerial Photograph and Map Review

Available historical aerial photographs (EDR), Sanborn maps and a USGS topographic map, as described in Table 1, were reviewed. According to EDR, there is no Sanborn map coverage of the Property. A copy of the historic aerial photographs is included in Appendix D.

Table 1 – Aerial Photograph and Map Review		
Date	Reference	Observations
1931 And 1938	Aerial Photographs	The Property appeared to be used for agriculture (orchards). The adjacent properties were depicted as the following: • North – Agricultural land. • South – An unimproved road, followed by agricultural land. • East – Agricultural land, followed by an unimproved road. • West – Agricultural land. The general vicinity of the Property was depicted primarily as agricultural land with scattered rural residences.
1948 And 1953	Arial Photographs	Except for the Property appearing as vacant land, the adjacent north and west properties appearing as vacant land, and increases in residences in the general vicinity, no significant changes occurred to Property, adjacent properties, or general vicinity, since the previous aerial photograph in 1938.
1963	Aerial Photograph	The Property appeared to be vacant land. The adjacent properties were depicted as the following: • North – Vacant land, followed by agricultural land. • South – An improved road (Diane Avenue), followed by an on-ramp for State Route 91 (Riverside Freeway). • East – Agricultural land, followed by an improved road (Adams Street). • West – Vacant land, followed by agricultural. The general vicinity of the Property was depicted primarily as residences, agricultural land and scattered commercial properties. State Route 91 (Riverside Freeway) was depicted approximately 100 feet south of the Property.
1967	Aerial Photograph	Except for the Property developed with two buildings on the southern and northwest portions and increases in residences and commercial properties in the general vicinity, no changes to the Property, adjacent properties, or general vicinity since the previous aerial photograph in 1963.

1977	Aerial Photograph	Except for the east adjacent property appearing as a commercial shopping center, and continued increases in residences and commercial properties, no changes to the Property, adjacent properties, or general vicinity since the previous aerial photograph in 1967.
1978, photorevised 1980	Topographic Map	The Property was depicted with a church building on the southern portion and additional building on the northwest portion. The adjacent properties and general vicinity were depicted in the same configuration as viewed in the 1977 aerial photograph.
1990 And 1994	Aerial Photographs	Except for the Property developed with an additional building on the northeast portion and the general vicinity primarily developed with residences and commercial properties, no changes to the Property, adjacent properties, or general vicinity since the previous aerial photograph in 1977.
2005, 2006, 2009, 2010 And 2012	Aerial Photographs	Except for the west adjacent property appearing as an asphalt paved lot and continued gradual increases in residences and commercial properties in the vicinity, no changes to the Property, adjacent properties, or general vicinity since the previous aerial photograph in 1990.

4.2.2 Building Permit Review

Converse reviewed available permits from the City of Riverside, Online Building Permit Information system. Below is a summary of pertinent permit information for each parcel:

8431 Diana Avenue

A building permit for two new church buildings was issued in May 1963. One building is 3,942 square-feet and the other is 2,340 square feet. The owner was identified as First Free Methodist Church.

A permit for a cess pool and septic tank was issued in August 1963. The septic tanks and cess pools were depicted on the north portion of the Property. The owner was identified as First Free Methodist Church.

A building permit for a new, 3,360 square-foot educational building was issued in March 1979. The owner was identified as First Free Methodist Church. The owner was identified as First Free Methodist Church.

Permits for re-roofing and electrical upgrade were issued in October 1989 and October 1994.

Permits for a Verizon Wireless Cell Site with a 70-foot high Monoeucalyptus and a permanent generator on a concrete pad were issued between January 2010 and August 2010. The owner was identified as First Free Methodist Church.

4.2.3 Data Failure

The use of the Property was not verified prior to 1931 as undeveloped land; therefore there is data failure associated with this assessment. However, remaining ASTM sources are deemed not likely to yield significant information.

4.2.4 Summary of Historical Property Use

According to historical information gathered by Converse, the Property appeared to be agricultural groves from at least 1931 to 1938. By 1948, the Property appeared to be vacant land. In 1963, the Property was developed with two church buildings on the southern and northwest portions. In 1979, the Property was developed with an educational building on the northeast portion. The Property appeared to remain in the same configuration as observed during the August 2013 reconnaissance.

4.2.5 Summary of Past Uses of Adjoining Properties

The historical use of the adjoining properties appears to have been primarily agricultural land as early as 1931 to 1938. By 1948, the north and west adjoining properties appeared to be vacant land. By 1963, the south adjoining property appeared to be an improved road (Diane Avenue) followed by State Route 91 (Riverside Freeway). By 1977, the east adjoining property appeared to be a commercial retail shopping center. By 2005, the adjoining west property appeared to be an asphalt paved lot. The adjoining properties appeared to remain the same as observed during the August 2013 Property reconnaissance.

4.2.6 Summary of Past Uses of the Surrounding Area

The historical use of the surrounding area appears to have been primarily agricultural land and scattered rural residences as early as 1931. Gradual increases in residences appeared between 1948 and 1953. By 1963, the use of the surrounding area was primarily residences, agricultural land and scattered commercial properties. Gradual increases in residences and commercial properties continued until at least 1977. By 1990, the use of the surrounding area appeared to be primarily residences and commercial properties. Gradual increases in residences and commercial properties appeared to continue until at least 2005. The use of surrounding area appeared to be the same as observed during the August 2013 Property reconnaissance.

4.3 Results of Environmental Records Sources Review

An Environmental Data Resources (EDR) report of Standard Environmental Record Sources (Records) was prepared specifically for the Property. The search included queries to the following databases for cases within specified ASTM search distances. A copy of the EDR report is included in Appendix F.

4.3.1 Property Listings

The Property was not identified on the databases in the EDR report

4.3.2 Adjoining Properties

The adjoining properties were not identified on the databases in the EDR report.

4.3.3 Other Off-site Locations of Concern

Other off-site locations of concern identified by EDR within a maximum one-mile radius from the Property included state and local permitted hazardous materials generators, active and historical UST sites, Leaking UST (LUST) sites, HIST CORTESE sites, a Notify 65 site, a DRYCLEANERS site, EnviroStor sites, historical auto stations (US Hist Auto Stat), and Historical Dry Cleaners sites (US Hist Cleaners).

The potential for environmental concern to the Property from these off-site locations of concern appear to be low due to one or more of the following: type of regulatory listing; type of resource (e.g., soil only); status of the case (e.g. no further action); no leaks reported, location with respect to the direction of regional groundwater; and/or distance from the Property.

4.3.4 Orphan Listings

The EDR database report identified 20 orphan sites. The locations of sites that were identified by address were found to be in the general vicinity of the Property; however, there is a low potential for environmental concern to the Property from these orphan sites due to one or more of the following: the types of regulatory listings; distance; and/or location with respect to the direction of regional groundwater.

Other orphan sites were identified only by street names or cross streets. These streets names and cross streets were found in the general vicinity of the Property; however, the specific site locations could not be determined. These other orphan sites appeared to have a low potential for environmental concern to the Property due to one or more of the following: type of regulatory listing; location with respect to the direction of regional groundwater; and/or distance from the Property.

4.4 Additional Environmental Record Sources

4.4.1 U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA)

According to the PHMSA website (<https://www.npms.phmsa.dot.gov/>), there are no pipelines jurisdictional to PHMSA within the vicinity of the Property.

4.4.2 California Environmental Protection Agency (Cal-EPA), Department of Toxic Substances Control (DTSC)

No information regarding the Property was on file with DTSC. In addition, CONVERSE reviewed the DTSC ENVIROSTOR website (<http://www.envirostor.dtsc.ca.gov/public/>) for potential Property records. The Property was not listed on the DTSC ENVIROSTOR website.

4.4.3 Cal/EPA, Santa Ana Regional Water Quality Control Board (RWQCB)

There are no records pertaining to the Property address on file with the RWQCB. CONVERSE reviewed the RWQCB GeoTracker website (<http://geotracker.waterboards.ca.gov/>) and found no records for the Property.

4.4.4 California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR)

CONVERSE reviewed the DOGGR Online Mapping System (**Error! Hyperlink reference not valid.**) in June 2014. No oil or gas wells are located on the Property or adjacent properties.

4.4.5 South Coast Air Quality Management District (SCAQMD)

No information regarding the Property or adjacent properties was on file with the SCAQMD.

4.4.6 Riverside County, Community Health Agency, Department of Environmental Health (DEH)

Information was requested from the DEH, but was not received in time for inclusion in this report. However, this is not deemed significant based on the known historical use of the Property.

4.4.7 Riverside County Methane Areas

According to the Riverside County, Department of Environmental Health, Preliminary Methane Investigation Protocol dated January 19, 2001; the following three areas have been identified within the County as potential Methane areas:

Area 1: North of the Santa Ana River, South of the Pomona Freeway, East of Hellman Avenue and West of Etiwanda Avenue.

Area 2: North of Esplanade Ave., South of Gilman Springs Road, East of Davis Road/Hansen Ave. and West of State Street.

Area 3: South of the San Bernardino County Line, East of Interstate 10, West of Oak Glen Road and North of 14th Street (Beaumont/Banning).

The Property is not located within 1,000 feet of any of the above methane areas.

5.0 Property Reconnaissance

5.1 Methodology

On June 19, 2014, Converse visited the Property to determine present use and to identify environmental conditions at the Property. Our methodology involved walking the perimeters, centerlines, and accessible interior and exterior areas of the Property while noting observed evidence of present and potential environmental concerns.

A Property Plan is provided in Appendix B. Pertinent Property photographs are provided in Appendix C.

5.2 Limiting Conditions

Converse's findings are based on the Property conditions observed on Thursday, June 19, 2014.

5.3 Interior Observations of Property

During our Property visit, Converse made the following observations of the interior of the buildings:

Table 2 – Interior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Hazardous Substances & Petroleum Products:	☐	☒	
Storage Tanks & Related Equipment:	☐	☒	
Odors:	☐	☒	
Standing Surface Water or Other Pools of Liquid:	☐	☒	
Drums & Other Containers of Hazardous Substances, Petroleum Products, or Other Unidentified Contents:	☐	☒	
Transformers or Equipment containing	☐	☒	

Table 2 – Interior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Polychlorinated Biphenyls (PCBs):			
Heating/Cooling System:	☐	☒	
Stains or Corrosion on Floors, Walls, or Ceilings:	☐	☒	
Drains and Sumps:	☐	☒	

5.4 Exterior Observations of Property

During our Property visit, Converse made the following observations of the exterior of the Property:

Table 2 – Exterior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Hazardous Substances & Petroleum Products:	☐	☒	
Storage Tanks & Related Equipment:	☐	☒	
Odors:	☐	☒	
Standing Surface Water or Other Pools of Liquid:	☐	☒	
Drums & Other Containers of Hazardous Substances, Petroleum Products, or Other Unidentified Contents:	☒	☐	Over the counter cleaners and chemicals, including floor stripper & cleaner, floor wax, glass cleaner, and hand soap were observed in a storage closet in the northwest classroom building. No leaks, stains or odors were observed.
Transformers or Equipment containing Polychlorinated Biphenyls (PCBs):	☐	☒	
Pits, Ponds, or Lagoons:	☐	☒	

Table 2 – Exterior Observations of Property

Item or Condition	Observed Evidence	No Evidence Observed	Comments
Stained Soil or Pavement:	☐	☒	
Stressed Vegetation (other than from insufficient water):	☐	☒	
Evidence of Mounds, Depressions or Filled or Graded Areas Suggesting Trash or Other Solid Waste Disposal:	☐	☒	
Waste Water or any discharge (including storm water) into a Drain, Ditch, or Stream on or Adjacent to the Property:	☐	☒	
Wells (active, inactive, or abandoned):	☐	☒	
Septic Systems or Cesspools:	☐	☒	
Prior Structures:	☐	☒	
Roads, Tracks, Railroad Tracks or Spurs:	☐	☒	

5.5 *Current Uses of Adjoining Properties*

Based on our research and observations during our Property visit, the Property is bordered by the following:

Table 3 – Adjoining Property Use

Direction	Current Development
North:	A vacant lot, followed by a school facility (California Baptist University).
Northeast:	A commercial retail shopping center, followed by an asphalt parking lot.
Northwest:	A vacant lot, followed by the California Baptist University.
South:	Diana Avenue, followed by a freeway access road.
Southeast	Diana Avenue, followed by a freeway access road.

Table 3 – Adjoining Property Use

Direction	Current Development
Southwest:	Diana Avenue, followed by State Route 91 (Riverside Freeway).
East:	A retail shopping center and a California Baptist University administrative building, followed by an asphalt parking lot.
West:	California Baptist University, followed by an improved road.

5.6 Current Uses of Surrounding Area

Based on our research and observations during our Property visit, the surrounding area of the Property appears to consist primarily of residences, commercial properties, and scattered school facilities.

6.0 Interviews

During the interviews, the owners and occupants were asked if they had any available documents that would be helpful. The documents that were requested are detailed in Section 3.1 of this report:

6.1 *Property Owner*

The Property is currently owned by the Riverside Free Methodist Church. Converse interviewed Mr. Daniel Wesley Bishop of the Riverside Free Methodist Church. According to Mr. Bishop, the Riverside Free Methodist Church has owned the Property since it was constructed in the early 1960's and has been used as a church since. Mr. Bishop stated that the church uses a septic system located on the northern portion of the Property. Mr. Bishop did not have knowledge of any other known environmental conditions at the Property.

6.2 *Tenant/Occupant*

The tenant is also the owner of the Property. Please see 6.1 above for interview information.

6.3 *State or Local Government Officials*

Converse contacted Ms. Mary Edwards from the Santa Ana Regional Water Quality Control Board. According to Ms. Edwards, there are no records on file for the Property.

7.0 Findings

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

- The Property currently consists of an approximate 3.13-acre, rectangular shaped lot developed with a church facility (Riverside Free Methodist Church), located at 8431 Diana Avenue in the City of Riverside, Riverside County, California. The facility consists of a worship center building on the southern portion and two administrative and classroom type buildings on the northern portion. The Assessor Parcel Number (APN) for the Property is 231-070-007.
- According to historical information gathered by Converse, the Property appeared to be agricultural groves from at least 1931 to 1938. By 1948, the Property appeared to be vacant land. In 1963, the Property was developed with two church buildings on the southern and northwest portions. In 1979, the Property was developed with an educational building on the northeast portion. The Property appeared to remain in the same configuration as observed during the June 2013 reconnaissance.
- The Property was not identified in the EDR report.
- No adjoining properties were identified in the EDR report.
- Over the counter cleaners and chemicals, including floor stripper & cleaner, floor wax, glass cleaner, and hand soap were observed in a storage closet in the northwest classroom building. No leaks, stains or odors were noted.
- The Property currently utilizes a septic system located on the northern portion of the Property.
- According to building permits, a Verizon Wireless Cell Site with a 70-foot high Monoeucalyptus and a permanent generator on a concrete pad are located at the Property. This site apparently shares the same address as the Property, but is actually located on an adjacent parcel.

8.0 Opinion

- The historic use of the Property from as early as 1931 until at least 1938 is not considered a REC due to the subsequent grading and development of the Property.
- The historic and current use of the Property as a church is not a REC.
- It is our opinion that there is low soil vapor intrusion concern for the Property due to no evidence of past environmental concerns, subsurface contamination, or underground storage tanks on the Property and adjoining properties.
- No significant data gaps were identified that affect the ability of the Environmental Professional (EP) to identify RECs. It is unlikely that there are any additional files containing significant information regarding the Property with the DEH.
- There are no unusual circumstances where greater certainty is required regarding RECs.

9.0 Conclusions and Recommendations

Converse has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-013 for the Riverside Free Methodist Church located at 8431 Diana Avenue, in Riverside, Riverside County, California. Any exceptions to or deletions from this practice are described in the Limitations and Exceptions of Assessment section of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *property*.

- No further assessment is warranted at this time.

Information was requested from the DEH, but was not received in time for inclusion in this report. However, this is not deemed significant based on the known current and historical use of the Property.

In addition, the Property utilizes a septic system on the northern portion. If the Property is to be redeveloped, Converse recommends the septic system be abandoned according to applicable rules and regulations.

10.0 Deviations and Limitations

The following deviation and limitation from the ASTM Standard Practice was encountered while conducting this Phase I ESA:

- No deviations or limitations or exceptions were encountered during this assessment.

11.0 Additional Non-Scope Services

There are environmental issues outside the scope of the ASTM E1527-13 that can be assessed in connection with a commercial real estate transaction. These are dealt with as non-scope considerations since they do not typically present a Superfund Liability. The specific level of inquiry (if any) is defined in the Proposal which contains a Scope of Work. These non-scope services are very client specific and not covered by the ASTM standard. They are frequently related to the business environmental risk which is defined in the standard as “risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate...”

No non-scope issues were addressed as required in the Scope of Work.

12.0 Signature of Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training and experience to assess a *property* of the nature, history, and setting of the *subject property*. I have developed and performed the all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312.



Alex Fernandez
Senior Staff Environmental Scientist

This Phase I ESA was completed by the above Environmental Professional. A complete list of preparers, and their responsibilities for this assessment, is provided in the following section (Section 13.0, List of Preparers).

13.0 List of Preparers

Norman S. Eke

Senior Vice President/Managing Officer

B.A., Liberal Studies, Environmental Studies Emphasis, University of California, Santa Barbara, 1988.

Cal/OSHA Certified Asbestos Consultant, #96-2093

NIOSH 582 Equivalent Training

Senior Vice President and Managing Officer of Converse's California Environmental offices. Mr. Eke has served as the Principal-in-Charge and Contract Administrator to deliver services to our public agency and private clients. Mr. Eke has 24 years of experience in the fields of Environmental Due Diligence including Phase I and Phase II Environmental Site Assessments, Asbestos surveys/specifications/abatement monitoring, Preliminary Endangerment Assessments and associated Supplemental Site Investigations and Removal Action Work Plans/Implementation, various forms of Remediation, Human Health Risk Assessment and Indoor Air Quality. Mr. Eke is the current Subcommittee Chairman for E.50-02 Real Assessment and Management of the ASTM E.50 Committee on Environmental Assessment, Risk Management, Corrective Action, which includes Phase I ESA standards. By way of this national leadership role, Mr. Eke has up to date knowledge on key environmental guidance relating to environmental assessment of real estate.

Principal area of responsibility for this ESA report: Project Management, Client Point of Contact, and Quality Assurance/Quality Control and Technical Review.

Steven T. Weatherton

Project Manager

B.S., Environmental Science, Water Quality and Waste Management Emphasis, University of California, Riverside, 1995

Cal/OSHA Certified Asbestos Site Surveillance Technician, #00-2812

DPH Certified Lead- Related Construction Inspector/Assessor/Monitor, #10466

Mr. Weatherton is currently responsible for the day-to-day operations of the Environmental Department in the Redlands Office. Mr. Weatherton has 15 years experience in conducting Phase I and II Environmental Site Assessments, asbestos/lead/mold surveys and asbestos abatement monitoring, drinking water source assessment plans, conducting chemical spill protection control and counter measure plans and hazardous materials business plans as well as hazardous material site cleanup, and manifesting. Mr. Weatherton has environmental consulting experience on sites located throughout California, Nevada, and in the nation of Kosovo for NATO, and he has had direct experience interacting with various regulatory agencies.

Principal area of responsibility for this ESA report: Quality Assurance/Quality Control and Asbestos Sampling.

Alex Fernandez

Senior Staff Environmental Scientist

B.S., Environmental Science, University of California, Riverside, CA 1999
Cal/OSHA Certified Site Surveillance Technician, #09-4504
NIOSH 582 Equivalent, #120400LA-07

Mr. Fernandez has 14 years experience conducting Phase I and II Environmental Site Assessments throughout California. Mr. Fernandez has completed Phase I ESAs on undeveloped land, residential properties, and industrial facilities. His Phase II ESA experience includes soil sampling for residual agricultural chemicals and petroleum hydrocarbons; quarterly groundwater sampling; soil and groundwater remediation; and underground tank removals. Mr. Fernandez has assisted in developing and budgeting site investigation work plans for commercial and industrial use sites, former UST sites, proposed school sites, and agricultural sites. Mr. Fernandez has also performed asbestos surveys and abatement monitoring at sites throughout California.

Principal area of responsibility for this ESA report: Project Management, Historical Research, Regulatory Agency Interaction, Property Reconnaissance, Interviews, and Report Generation.

14.0 References

- California Department of Conservation, Division of Mines and Geology, Geologic Map of California, 2010.
- California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR), Online Mapping System, Review, June 2014.
- California Environmental Protection Agency (Cal/EPA), Department of Toxic Substances Control, Cypress Office, Request for Information, June 2014.
- Cal/EPA, EnviroStor Website (<http://www.envirostor.dtsc.ca.gov/public/>), June 2014.
- California Regional Water Quality Control Board, Santa Ana Region, Request for Information, June 2014.
- Cal/EPA, GeoTracker Website (<http://geotracker.waterboards.ca.gov/>), June 2014.
- Edwards, Mary, Regional Water Quality Control Board, Santa Ana Region, Personal Communication, June 2014.
- Riverside, City of, Building Department, Building Permit Review, June 2014.
- Riverside, City of, Planning Department, Zoning Information, June 2014.
- Environmental Data Resources (EDR), Inc., EDR-Radius Map Report with GeoCheck, June 2014.
- EDR, Inc., Request for Aerial Photographs and Sanborn Maps, June 2014.
- Riverside County, Department of Public Health, Division of Environmental Health Services, Request for Information, June 2014.
- South Coast Air Quality Management District, Request for Information, June 2014.
- United States Department of Transportation's Pipeline and Hazardous Materials Safety Administration online database, accessed June 2014.
- United States Geological Survey, 7.5-Minute Topographic Quadrangle, Riverside West, California, 1978, photorevised 1980.
- Western Municipal Water District, Cooperative Well Measurement Program, Spring 2013 Data.

**Application for
Authorization to Use**

Appendix A

Application for Authorization to Use

TO: Converse Consultants
10391 Corporate Drive
Redlands, California 92374

Project Title & Date: _____

Project Address: _____

FROM: (Please identify name & address of person/entity applying for permission to use the referenced report.)

Applicant _____ hereby applies for permission to use
the referenced report in order to:

Applicant wishes or needs to use the referenced report because:

Applicant also understands and agrees that the referenced document is a copyrighted document and shall remain the sole property of Converse Consultants. Unauthorized use or copying of the report is strictly prohibited without the express written permission of Converse Consultants. *Applicant* understands and agrees that Converse Consultants may withhold such permission at its sole discretion, or grant such permission upon agreement to Terms and Conditions, such as the payment of a re-use fee, amongst others.

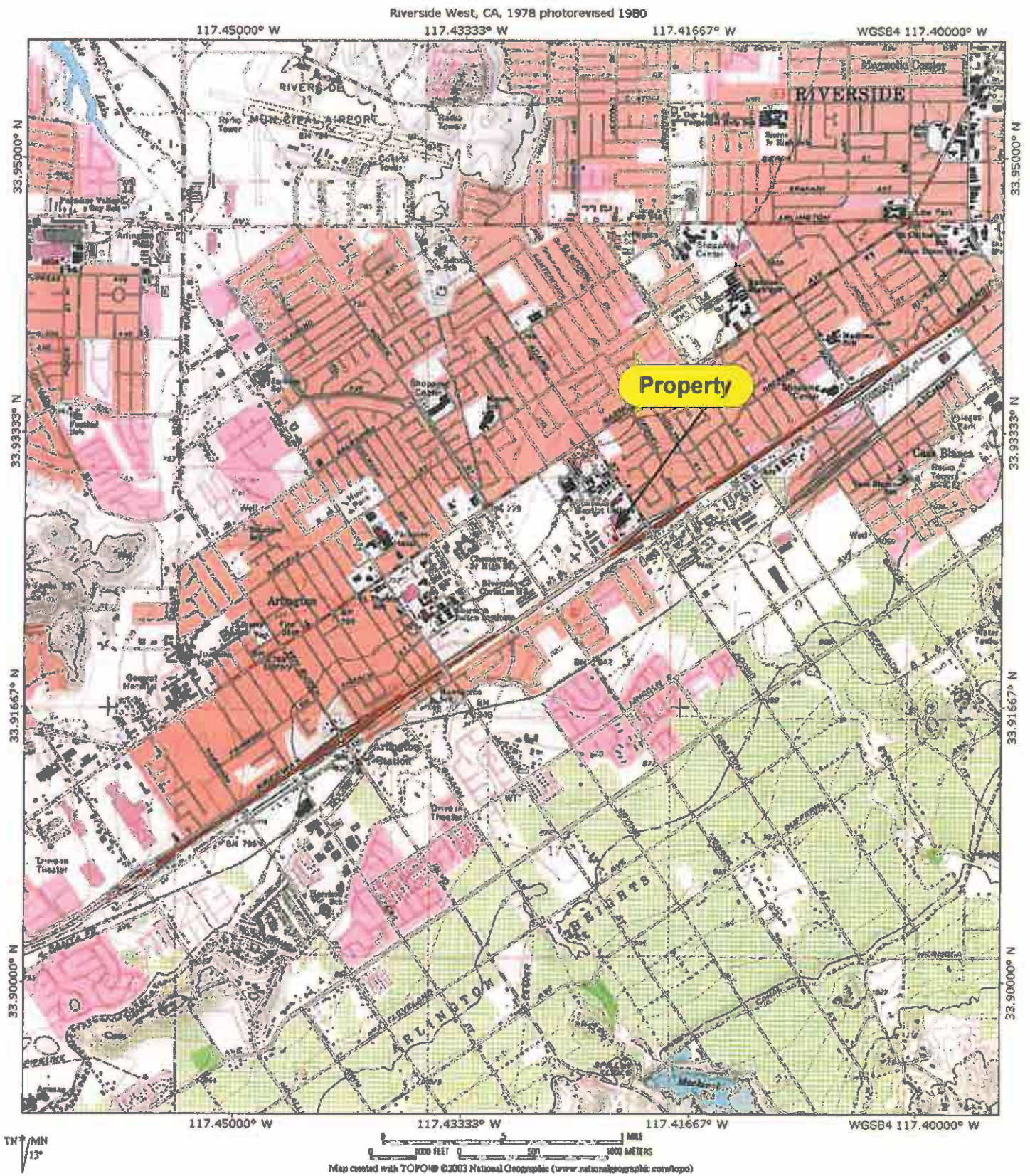
Applicant Signature: _____

Applicant Name (print): _____

Title: _____

Date: _____

Appendix B



Property Location Map



California Baptist University
 Riverside Free Methodist Church
 8431 Diana Avenue, Riverside, California

Project No
 14-16-151-01



Converse Consultants

FIGURE

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

1



Property Plan



California Baptist University
 Riverside Free Methodist Church
 8431 Diana Avenue, Riverside, California

Project No :
 14-16-151-01



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P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

FIGURE 2

**Pertinent Property
Photographs**

Appendix C



1. View of Northern Boundary, Looking Wst



2. View of Southern Boundary and Worship Building, Looking Northeast.

Property Photographs



California Baptist University
Riverside Free Methodist Church
8431 Diana Avenue, Riverside, California

Project No:

14-16-151-01

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PAGE **1**



3. View of East Boundary and Northeast Building, Looking South.



4. View of Western Boundary and Northwest Building, Looking South.

Property Photographs



California Baptist University
Riverside Free Methodist Church
8431 Diana Avenue, Riverside, California

Project No:

14-16-151-01

Converse Consultants

PAGE **2**



5. View of Church Building, Looking East.



6. View of Administrative Office at the Northeast Building.

Property Photographs



California Baptist University
Riverside Free Methodist Church
8431 Diana Avenue, Riverside, California

Project No:

14-16-151-01

Converse Consultants

PAGE **3**



7. View of Janitor's Closet and Over the Counter Cleaning Chemicals at the Northwest Building.



8. View of Main Worship Hall at Church Building.

Property Photographs



California Baptist University
Riverside Free Methodist Church
8431 Diana Avenue, Riverside, California

Project No:

14-16-151-01

Converse Consultants

PAGE 4

Historic Aerial Photographs & Preliminary Title Report

Appendix D

Riverside Free Methodist Church

8431 Diana Avenue

Riverside, CA 92504

Inquiry Number: 3967815.5

June 12, 2014

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

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.

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

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Date EDR Searched Historical Sources:

Aerial Photography June 12, 2014

Target Property:

8431 Diana Avenue

Riverside, CA 92504

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1931	Aerial Photograph. Scale: 1"=500'	Flight Year: 1931	Fairchild
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	EDR
1948	Aerial Photograph. Scale: 1"=500'	Flight Year: 1948	EDR
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	EDR
1963	Aerial Photograph. Scale: 1"=500'	Flight Year: 1963	Mark Hurd
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	Western
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	Teledyne
1990	Aerial Photograph. Scale: 1"=500'	Flight Year: 1990	USGS
1994	Aerial Photograph. Scale: 1"=500'	.DOQQ - acquisition dates: 1994	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR

3967815.5



INQUIRY #: 3967815.5

YEAR: 1931



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1938

1" = 500'



P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1948



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1953



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1963



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1967



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1977



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 1990



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



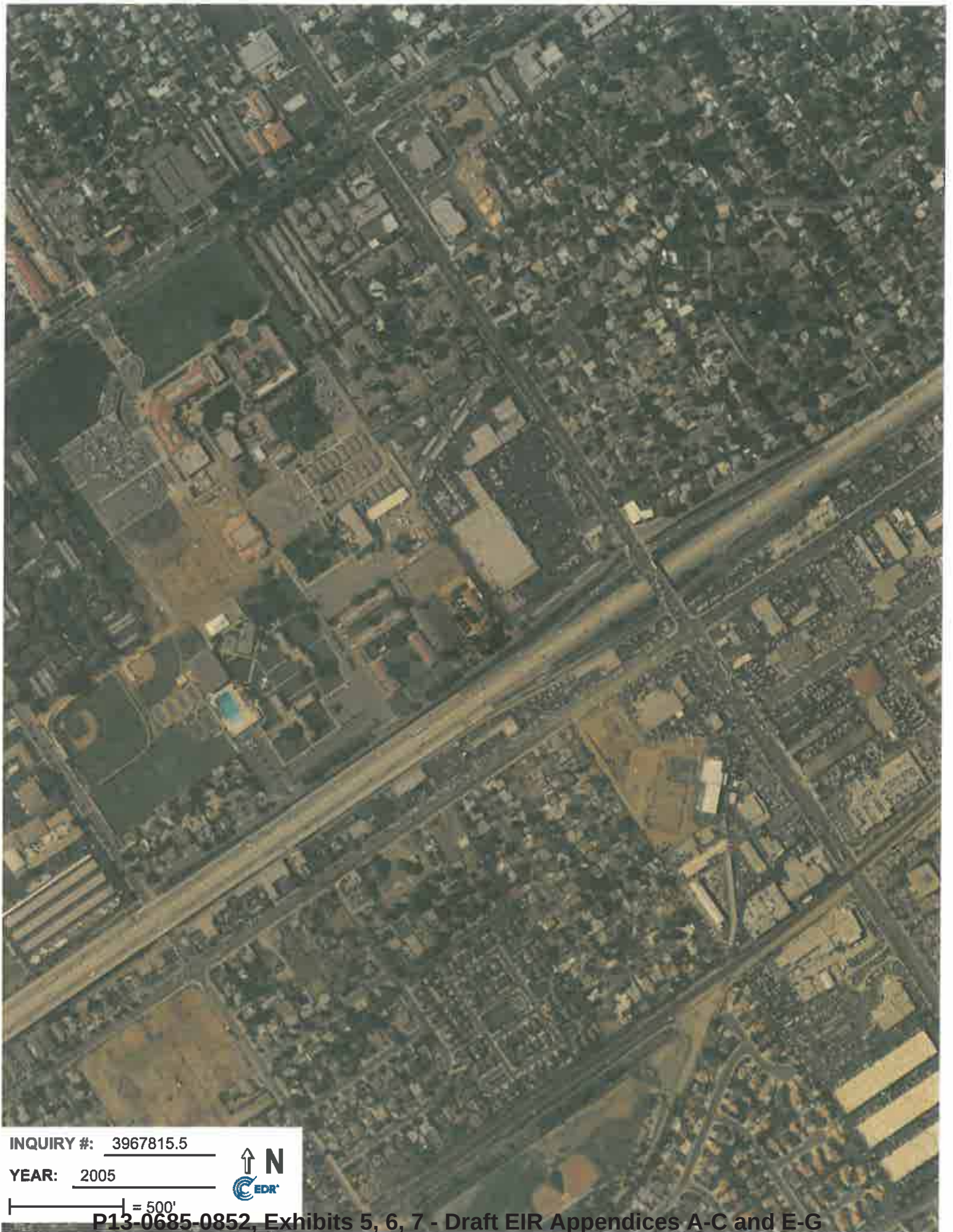
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YEAR: 1994



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 2005



1" = 500'



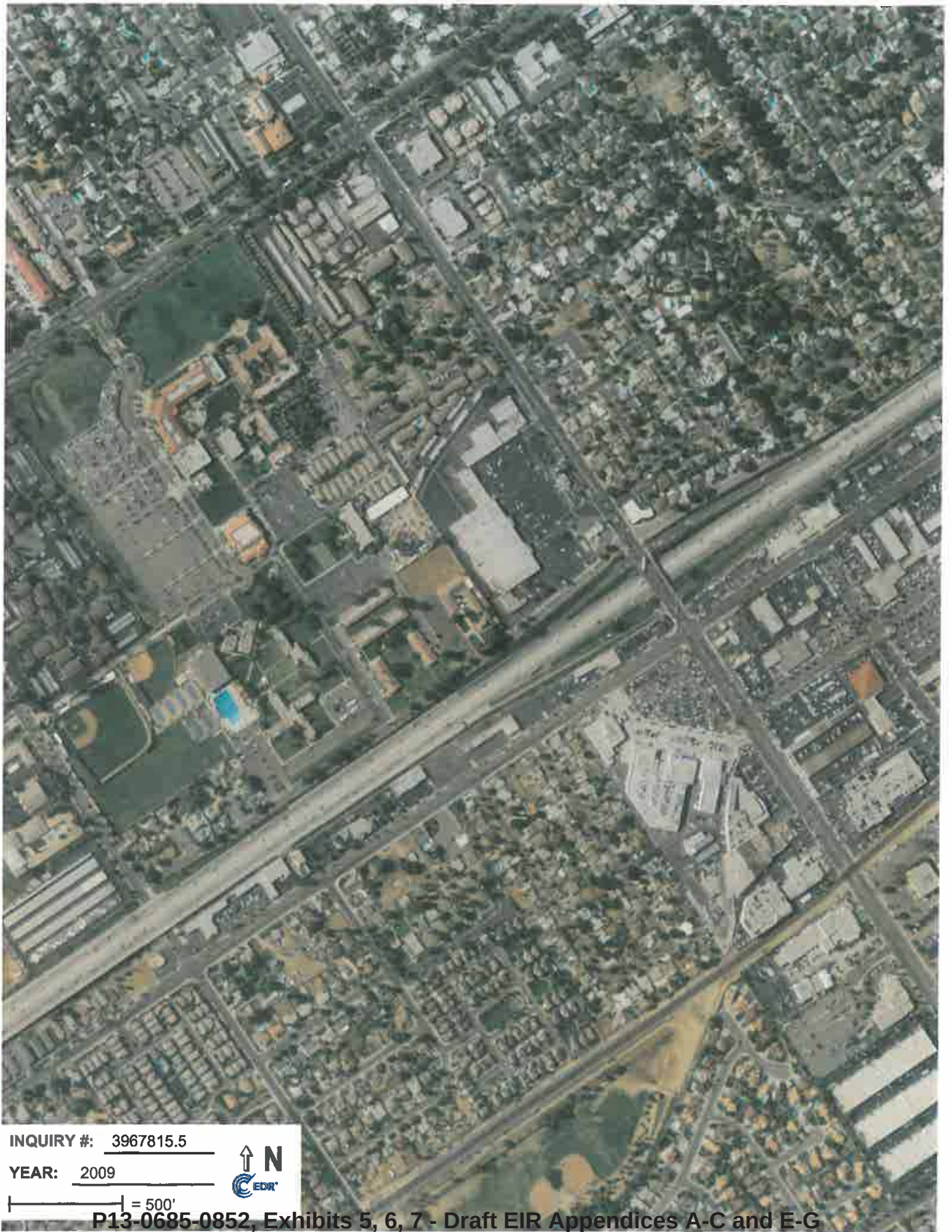
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YEAR: 2006

1" = 500'



P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



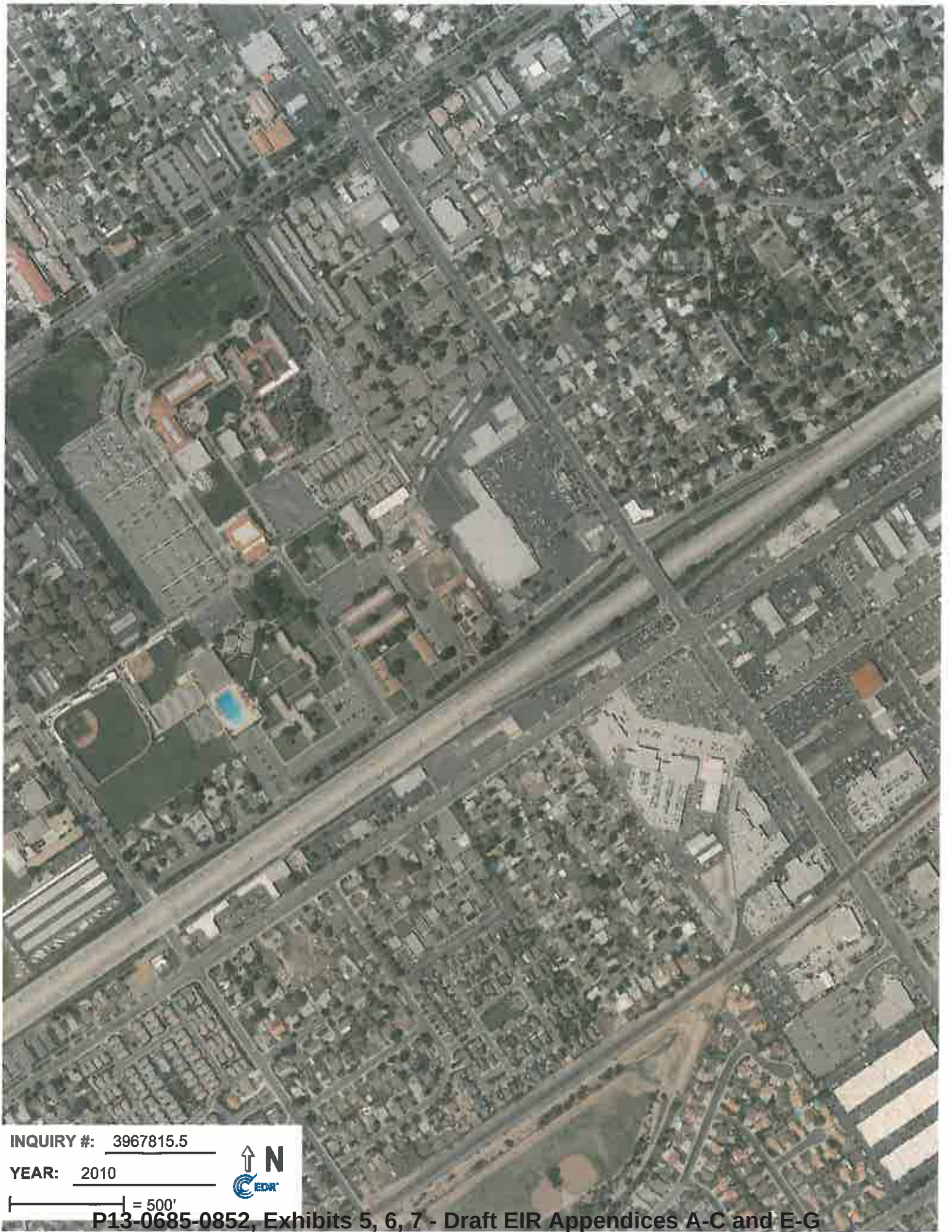
INQUIRY #: 3967815.5

YEAR: 2009



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



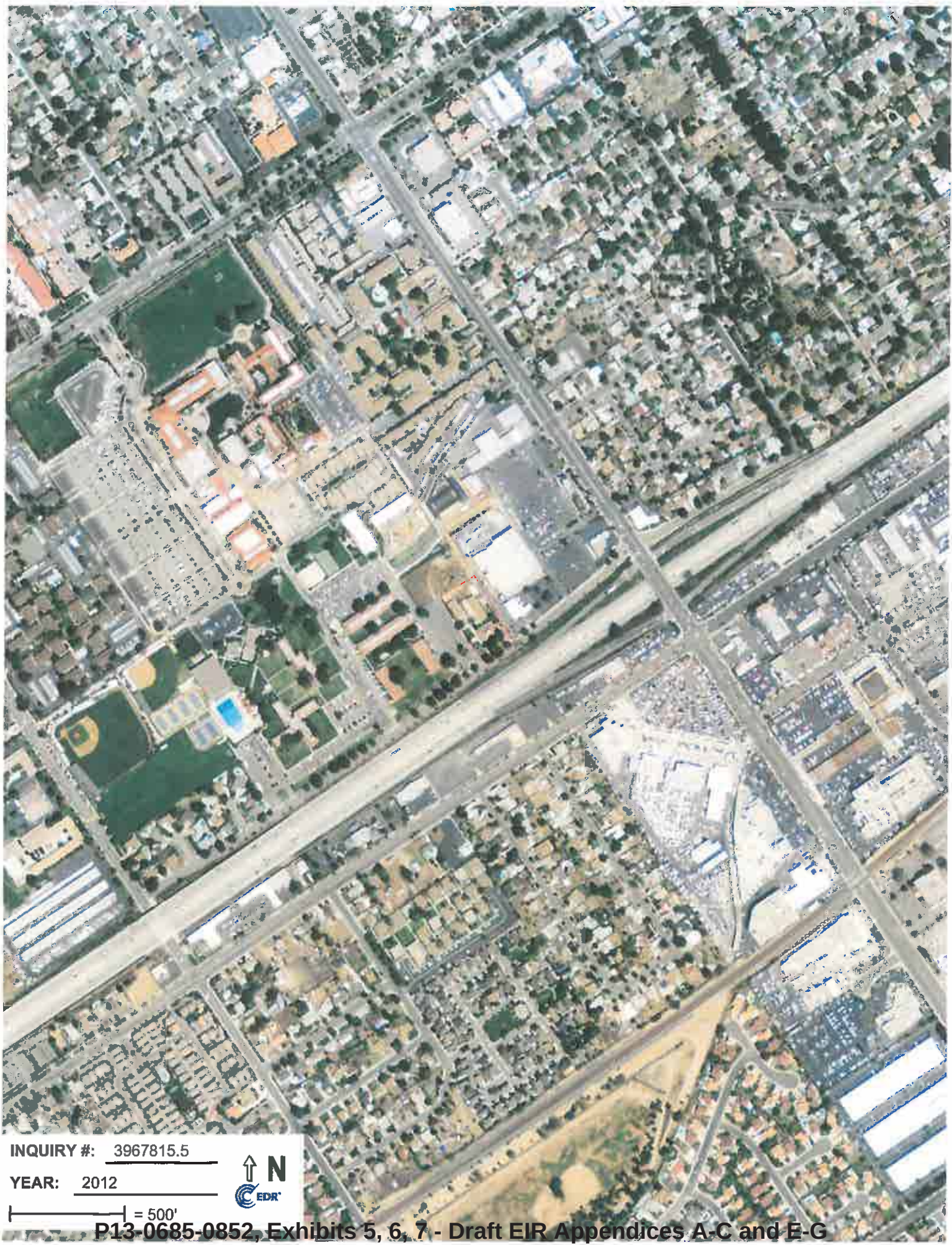
INQUIRY #: 3967815.5

YEAR: 2010

1" = 500'



P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



INQUIRY #: 3967815.5

YEAR: 2012



1" = 500'

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G



Lawyers Title Company
3480 Vine Street Suite 300
Riverside, CA 92507
Phone: (951) 774-0825
Fax: ()

Lawyers Title Company
625 E. Carnegie Drive #105
San Bernardino, CA 92408

Attn: COLLEEN GRAVES

Title Officer: Peggy Jones--So
email: tu67@ltic.com
Phone No.: (951) 774-0825 x 617
Fax No.: (951) 781-1169
File No.: 613671314

Your Reference No:

Property Address: 8431 Diane Avenue, City of Riverside, California

2nd AMENDED PRELIMINARY REPORT

Dated as of May 29, 2014 at 7:30 a.m.

In response to the application for a policy of title insurance referenced herein, Lawyers Title Company hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitation on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

The policy(s) of title insurance to be issued hereunder will be policy(s) of **Commonwealth Land Title Insurance Company**.

Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered. It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

SCHEDULE A

The form of policy of title insurance contemplated by this report is:

ALTA Owners 2006
ALTA Loan 2006

The estate or interest in the land hereinafter described or referred to covered by this report is:

A FEE

Title to said estate or interest at the date hereof is vested in:

First Free Methodist Church of Riverside, a Corporation

The land referred to herein is situated in the County of Riverside, State of California, and is described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

EXHIBIT "A"

All that certain real property situated in the County of Riverside, State of California, described as follows:

The Northwesterly ½ of Lot 15 and that portion of Lot 10 lying Southeasterly of the lower canal of the Riverside Water Company, in Block 23 of the lands of the Riverside Land and Irrigation Company, in the City of Riverside, County of Riverside, State of California, as shown by map recorded in Book 1, Page 72 of Maps, in the Office of the County Recorder of San Bernardino County, California.

Except from Lot 15 that portion conveyed to the State of California by deed recorded April 22, 1955 in Book 1726, Page 421, of Official Records.

Also except the Southeasterly 4 feet as conveyed to the City of Riverside, a municipal corporation by deed recorded March 15, 1963 as Instrument No. 26396, in Book 3345, Page 222, of Official Records.

Also except that portion conveyed to Dana B. Horn, Trustee of the DBH Trust by deed recorded December 21, 1979 as Instrument No. 271020 of Official Records.

Also except from the remainder of said land the Southwesterly 5 acres thereof; the Northeasterly line of said Southwesterly 5 acres being parallel to the Northeasterly line of said Lots.

Assessor's Parcel Number: 231-070-007-2

SCHEDULE B – Section A

The following exceptions will appear in policies when providing standard coverage as outlined below:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.

SCHEDULE B – Section B

At the date hereof Exceptions to coverage in addition to the printed exceptions and exclusions in said policy form would be as follows:

- A. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2014-2015.
- B. The herein described Land is within the boundaries of the Mello-Roos Community Facilities District(s). The annual assessments, if any, are collected with the county property taxes. Failure to pay said taxes prior to the delinquency date may result in the above assessment being removed from the county tax roll and subjected to Accelerated Judicial Bond Foreclosure. Inquiry should be made with said District for possible stripped assessments and prior delinquencies.
- C. The lien of supplemental taxes, if any, assessed pursuant to the provisions of Chapter 3.5 (Commencing with Section 75) of the Revenue and Taxation Code of the State of California.

- 1. Water rights, claims or title to water, whether or not disclosed by the public records.
- 2. Easement(s) in favor of the public over any existing roads lying within said Land.
- 3. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	The Riverside Land and Irrigation Company, and the Riverside Canal Company
Purpose:	water ditches
Recording Date:	April 26, 1882
Recording No:	in Book 28, Page 635 of Deeds, San Bernardino County Records
Affects:	Said land more particularly described therein

- 4. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Riverside Water Company
Purpose:	water pipes and ditches
Recording Date:	August 15, 1885
Recording No:	in Book 42, Pages 294 and 296 of Deeds, San Bernardino County Records, of Official Records
Affects:	Said land more particularly described therein

- 5. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	City of Riverside
Purpose:	electric lines and cables and ingress and egress
Recording Date:	March 15, 1963
Recording No:	in Book 3345, Page 216 of Official Records
Affects:	Said land more particularly described therein

- 6. Any boundary discrepancies, rights or claims which may exist or arise as disclosed by a Record of Survey

Recorded	in Book 39, Page 50 Records of Survey

7. Any boundary discrepancies, rights or claims which may exist or arise as disclosed by a Record of Survey

Recorded in Book 67, Page 32 Records of Survey

8. The matters contained in a document entitled "**Certificate of Compliance PMW 21-789**" recorded May 20, 1996 as Instrument No. 184927 of Official Records.

Reference is made to said document for full particulars.

9. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Sublease
Lessor: Los Angeles SMSA Limited Partnership dba Verizon Wireless
Lessee: California Tower, Inc., a Delaware Corporation
Recording Date: October 25, 2000
Recording No: as Instrument No. 2000-419723 of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

The matters contained in a document entitled "**Memorandum of Site Agreement**" recorded April 29, 2004 as Instrument No. 2004-0315701 of Official Records.

Reference is made to said document for full particulars.

10. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Land Lease Agreement
Lessor: First Free Methodist Church of Riverside
Lessee: Los Angeles SMSA Limited Partnership, d/b/a Verizon Wireless
Recording Date: September 22, 2009
Recording No: as Instrument No. 2009-0492467 of Official Records

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

11. Please be advised that our search did not disclose any open Deeds of Trust of record. If you should have knowledge of any outstanding obligation, please contact the Title Department immediately for further review prior to closing.
12. Matters which may be disclosed by an inspection and/or by a correct ALTA/ACSM Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.
13. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

14. Any easements not disclosed by the public records as to matters affecting title to real property, whether or not said easements are visible and apparent.
15. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other matters which a correct survey would disclose and which are not shown by the public records.

END OF SCHEDULE B EXCEPTIONS

**PLEASE REFER TO THE "NOTES AND REQUIREMENTS SECTION" WHICH FOLLOWS FOR
INFORMATION NECESSARY TO COMPLETE THIS TRANSACTION**

REQUIREMENTS SECTION:

Req. No. 1: In order to complete this report, the Company requires a Statement of Information to be completed by the following party(s),

Party(s): Buyers/Sellers

The Company reserves the right to add additional items or make further requirements after review of the requested Statement of Information.

NOTE: The Statement of Information is necessary to complete the search and examination of title under this order. Any title search includes matters that are indexed by name only, and having a completed Statement of Information assists the Company in the elimination of certain matters which appear to involve the parties but in fact affect another party with the same or similar name. Be assured that the Statement of Information is essential and will be kept strictly confidential to this file.

Req. No. 2: The Company will require the following documents for review prior to the issuance of any title assurance predicated upon a conveyance or encumbrance by the corporation named below:

Name of Corporation: First Free Methodist Church of Riverside, a Corporation

- a) A Copy of the corporation By-laws and Articles of Incorporation
- b) An original or certified copy of a resolution authorizing the transaction contemplated herein
- c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

INFORMATIONAL NOTES SECTION

- Note No. 1: The information on the attached plat is provided for your convenience as a guide to the general location of the subject property. The accuracy of this plat is not guaranteed, nor is it a part of any policy, report or guarantee to which it may be attached.
- Note No. 2: California insurance code section 12413.1 regulates the disbursement of escrow and sub-escrow funds by title companies. The law requires that funds be deposited in the title company escrow account and available for withdrawal prior to disbursement. Funds deposited with the company by wire transfer may be disbursed upon receipt. Funds deposited with the company via cashier's check or teller's check drawn on a California based bank may be disbursed on the next business day after the day of deposit. If funds are deposited with the company by other methods, recording and/or disbursement may be delayed. All escrow and sub-escrow funds received by the company will be deposited with other escrow funds in one or more non-interest bearing escrow accounts of the company in a financial institution selected by the company. The company may receive certain direct or indirect benefits from the financial institution by reason of the deposit of such funds or the maintenance of such accounts with such financial institution, and the company shall have no obligation to account to the depositing party in any manner for the value of, or to pay to such party, any benefit received by the company. Those benefits may include, without limitation, credits allowed by such financial institution on loans to the company or its parent company and earnings on investments made with the proceeds of such loans, accounting, reporting and other services and products of such financial institution. Such benefits shall be deemed additional compensation of the company for its services in connection with the escrow or sub-escrow.

WIRING INSTRUCTIONS FOR THIS OFFICE ARE:

Union Bank
1980 Saturn Street, V03-012
Monterey Park, CA 91755
(800) 849-6466
ABA # 122000496
CREDIT TO: Lawyers Title Company
ACCOUNT #: 9101081413

RE: 613671314

PLEASE INDICATE Lawyers Title Company TITLE ORDER NUMBER

- Note No. 3: Lawyers Title is a division of Commonwealth Land Title Insurance Company. The insurer in policies of title insurance, when issued in this transaction, will be Commonwealth Land Title Insurance Company.

- Note No. 4: None of the items shown in this report will cause the Company to decline to attach CLTA Endorsement Form 100 to an ALTA Loan Policy, when issued.
- Note No. 5: The following information will be included in the CLTA Form 116 or ALTA Form 22-06 Endorsement to be issued pursuant to this order:
- There is located on said Land: commercial/industrial property
Known as: 8431 Diane Avenue, City of Riverside, California
- Note No. 6: There are no conveyances affecting said Land recorded within 24 months of the date of this report.
- Note No. 7: The Company requires current beneficiary demands prior to closing. If the demand is expired and a current demand cannot be obtained, our requirements will be as follows:
- a) If the Company accepts a verbal update on the demand, we may hold an amount equal to one monthly mortgage payment. This hold will be in addition to the verbal hold the lender may have stipulated.
 - b) If the Company cannot obtain a verbal update on the demand, we will either pay off the expired demand or wait for the amended demand, at our discretion.
 - c) All payoff figures are verified at closing. If the customer's last payment was made within 15 days of closing, our Payoff Department may hold one month's payment to insure the check has cleared the bank (unless a copy of the cancelled check is provided, in which case there will be no hold).
- Note No. 8: Property taxes, including any personal property taxes and any assessments collected with taxes, are paid. For proration purposes the amounts were:
- | | |
|------------------------------|---------------|
| Tax Identification No.: | 231-070-007-2 |
| Fiscal Year: | 2013-2014 |
| 1 st Installment: | \$200.07 |
| 2 nd Installment: | \$200.07 |
| Exemption: | -0- |
| Code Area: | 009-002 |

Processor: cph / cph
Date Typed: / / June 5, 2014

ATTACHMENT ONE
CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
 - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
 - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
 - (c) resulting in no loss or damage to the insured claimant;
 - (d) attaching or created subsequent to Date of Policy; or
 - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
 Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (02-03-10)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

- In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:
1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.
 This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
 2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
 3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
 4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - c. that result in no loss to You; or
 - d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
 5. Failure to pay value for Your Title.
 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.
 This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
 7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	<u>Your Deductible Amount</u>	<u>Our Maximum Dollar Limit of Liability</u>
Covered Risk 16:	<u>1.00%</u> of Policy Amount Shown in Schedule A or <u>\$2,500.00</u> (whichever is less)	<u>\$ 10,000.00</u>
Covered Risk 18:	<u>1.00%</u> of Policy Amount Shown in Schedule A or <u>\$5,000.00</u> (whichever is less)	<u>\$ 25,000.00</u>
Covered Risk 19:	<u>1.00%</u> of Policy Amount Shown in Schedule A or <u>\$5,000.00</u> (whichever is less)	<u>\$ 25,000.00</u>
Covered Risk 21:	<u>1.00%</u> of Policy Amount Shown in Schedule A or <u>\$2,500.00</u> (whichever is less)	<u>\$ 5,000.00</u>

**AMERICAN LAND TITLE ASSOCIATION
RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)**

EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:
 - land use
 - improvements on the land
 - land division
 - environmental protection

This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date.
This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.
2. The right to take the land by condemning it, unless:
 - a notice of exercising the right appears in the public records
 - on the Policy Date
 - the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
3. Title Risks:
 - that are created, allowed, or agreed to by you
 - that are known to you, but not to us, on the Policy Date – unless they appeared in the public records
 - that result in no loss to you
 - that first affect your title after the Policy Date – this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks
4. Failure to pay value for your title.
5. Lack of a right:
 - to any land outside the area specifically described and referred to in Item 3 of Schedule A

OR

- in streets, alleys, or waterways that touch your land

This exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

**2006 ALTA LOAN POLICY (06-17-06)
EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.

7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (07-26-10)
EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.



Lawyers Title Company
3480 Vine Street Suite 300
Riverside, CA 92507
Phone: (951) 774-0825
Fax: ()

Order No. 613671314

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the filed rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for such discount. These discounts only apply to transactions involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

FNF Underwritten Title Company
LTC – Lawyers Title Company

FNF Underwriter
CLTIC – Commonwealth Land Title Insurance Co.

Available Discounts

DISASTER LOANS (CLTIC)

The charge for a Lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within 24 months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be 50% of the appropriate title insurance rate.

EMPLOYEE RATE (LTC and CLTIC)

No charge shall be made to employees (including employees on approved retirement) of the Company or its underwritten, subsidiary or affiliated title companies for policies or escrow services in connection with financing, refinancing, sale or purchase of the employees' bona fide home property. Waiver of such charges is authorized only in connection with those costs which the employee would be obligated to pay, by established custom, as a party to the transaction.

FIDELITY NATIONAL FINANCIAL PRIVACY NOTICE

Fidelity National Financial, Inc. and its majority-owned subsidiary companies providing real estate- and loan-related services (collectively, “FNF”, “our” or “we”) respect and are committed to protecting your privacy. This Privacy Notice lets you know how and for what purposes your Personal Information (as defined herein) is being collected, processed and used by FNF. We pledge that we will take reasonable steps to ensure that your Personal Information will only be used in ways that are in compliance with this Privacy Notice.

This Privacy Notice is only in effect for any generic information and Personal Information collected and/or owned by FNF, including collection through any FNF website and any online features, services and/or programs offered by FNF (collectively, the “Website”). This Privacy Notice is not applicable to any other web pages, mobile applications, social media sites, email lists, generic information or Personal Information collected and/or owned by any entity other than FNF.

Collection and Use of Information

The types of personal information FNF collects may include, among other things (collectively, “Personal Information”): (1) contact information (e.g., name, address, phone number, email address); (2) demographic information (e.g., date of birth, gender marital status); (3) Internet protocol (or IP) address or device ID/UDID; (4) social security number (SSN), student ID (SIN), driver’s license, passport, and other government ID numbers; (5) financial account information; and (6) information related to offenses or criminal convictions.

In the course of our business, we may collect Personal Information about you from the following sources:

- Applications or other forms we receive from you or your authorized representative;
- Information we receive from you through the Website;
- Information about your transactions with or services performed by us, our affiliates, or others; and
- From consumer or other reporting agencies and public records maintained by governmental entities that we either obtain directly from those entities, or from our affiliates or others.

Information collected by FNF is used for three main purposes:

- To provide products and services to you or one or more third party service providers (collectively, “Third Parties”) who are obtaining services on your behalf or in connection with a transaction involving you.
- To improve our products and services that we perform for you or for Third Parties.
- To communicate with you and to inform you about FNF’s, FNF’s affiliates and third parties’ products and services.

Additional Ways Information is Collected Through the Website

Browser Log Files. Our servers automatically log each visitor to the Website and collect and record certain information about each visitor. This information may include IP address, browser language,

browser type, operating system, domain names, browsing history (including time spent at a domain, time and date of your visit), referring/exit web pages and URLs, and number of clicks. The domain name and IP address reveal nothing personal about the user other than the IP address from which the user has accessed the Website.

Cookies. From time to time, FNF or other third parties may send a “cookie” to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer’s hard drive and that can be re-sent to the serving website on subsequent visits. A cookie, by itself, cannot read other data from your hard disk or read other cookie files already on your computer. A cookie, by itself, does not damage your system. We, our advertisers and other third parties may use cookies to identify and keep track of, among other things, those areas of the Website and third party websites that you have visited in the past in order to enhance your next visit to the Website. You can choose whether or not to accept cookies by changing the settings of your Internet browser, but some functionality of the Website may be impaired or not function as intended. See the Third Party Opt Out section below.

Web Beacons. Some of our web pages and electronic communications may contain images, which may or may not be visible to you, known as Web Beacons (sometimes referred to as “clear gifs”). Web Beacons collect only limited information that includes a cookie number; time and date of a page view; and a description of the page on which the Web Beacon resides. We may also carry Web Beacons placed by third party advertisers. These Web Beacons do not carry any Personal Information and are only used to track usage of the Website and activities associated with the Website. See the Third Party Opt Out section below.

Unique Identifier. We may assign you a unique internal identifier to help keep track of your future visits. We may use this information to gather aggregate demographic information about our visitors, and we may use it to personalize the information you see on the Website and some of the electronic communications you receive from us. We keep this information for our internal use, and this information is not shared with others.

Third Party Opt Out. Although we do not presently, in the future we may allow third-party companies to serve advertisements and/or collect certain anonymous information when you visit the Website. These companies may use non-personally identifiable information (e.g., click stream information, browser type, time and date, subject of advertisements clicked or scrolled over) during your visits to the Website in order to provide advertisements about products and services likely to be of greater interest to you. These companies typically use a cookie or third party Web Beacon to collect this information, as further described above. Through these technologies, the third party may have access to and use non-personalized information about your online usage activity.

You can opt-out of online behavioral services through any one of the ways described below. After you opt-out, you may continue to receive advertisements, but those advertisements will no longer be as relevant to you.

- You can opt-out via the Network Advertising Initiative industry opt-out at <http://www.networkadvertising.org/>.
- You can opt-out via the Consumer Choice Page at www.aboutads.info.
- For those in the U.K., you can opt-out via the IAB UK's industry opt-out at www.youronlinechoices.com.
- You can configure your web browser (Chrome, Firefox, Internet Explorer, Safari, etc.) to delete and/or control the use of cookies.

More information can be found in the Help system of your browser. Note: If you opt-out as described above, you should not delete your cookies. If you delete your cookies, you will need to opt-out again.

When Information Is Disclosed By FNF

We may provide your Personal Information (excluding information we receive from consumer or other credit reporting agencies) to various individuals and companies, as permitted by law, without obtaining your prior authorization. Such laws do not allow consumers to restrict these disclosures. Disclosures may include, without limitation, the following:

- To agents, brokers, representatives, or others to provide you with services you have requested, and to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure in connection with an insurance transaction;
- To third-party contractors or service providers who provide services or perform marketing services or other functions on our behalf;
- To law enforcement or other governmental authority in connection with an investigation, or civil or criminal subpoenas or court orders; and/or
- To lenders, lien holders, judgment creditors, or other parties claiming an encumbrance or an interest in title whose claim or interest must be determined, settled, paid or released prior to a title or escrow closing.

In addition to the other times when we might disclose information about you, we might also disclose information when required by law or in the good-faith belief that such disclosure is necessary to: (1) comply with a legal process or applicable laws; (2) enforce this Privacy Notice; (3) respond to claims that any materials, documents, images, graphics, logos, designs, audio, video and any other information provided by you violates the rights of third parties; or (4) protect the rights, property or personal safety of FNF, its users or the public.

We maintain reasonable safeguards to keep the Personal Information that is disclosed to us secure. We provide Personal Information and non- Personal Information to our subsidiaries, affiliated companies, and other businesses or persons for the purposes of processing such information on our behalf and promoting the services of our trusted business partners, some or all of which may store your information on servers outside of the United States. We require that these parties agree to process such information in compliance with our Privacy Notice or in a similar, industry-standard manner, and we use reasonable efforts to limit their use of such information and to use other appropriate confidentiality and security measures. The use of your information by one of our trusted business partners may be subject to that party's own Privacy Notice. We

do not, however, disclose information we collect from consumer or credit reporting agencies with our affiliates or others without your consent, in conformity with applicable law, unless such disclosure is otherwise permitted by law.

We also reserve the right to disclose Personal Information and/or non-Personal Information to take precautions against liability, investigate and defend against any third-party claims or allegations, assist government enforcement agencies, protect the security or integrity of the Website, and protect the rights, property, or personal safety of FNF, our users or others.

We reserve the right to transfer your Personal Information, as well as any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets. We also cannot make any representations regarding the use or transfer of your Personal Information or other information that we may have in the event of our bankruptcy, reorganization, insolvency, receivership or an assignment for the benefit of creditors, and you expressly agree and consent to the use and/or transfer of your Personal Information or other information in connection with a sale or transfer of some or all of our assets in any of the above described proceedings. Furthermore, we cannot and will not be responsible for any breach of security by any third parties or for any actions of any third parties that receive any of the information that is disclosed to us.

Information from Children

We do not collect Personal Information from any person that we know to be under the age of thirteen (13). Specifically, the Website is not intended or designed to attract children under the age of thirteen (13). You affirm that you are either more than 18 years of age, or an emancipated minor, or possess legal parental or guardian consent, and are fully able and competent to enter into the terms, conditions, obligations, affirmations, representations, and warranties set forth in this Privacy Notice, and to abide by and comply with this Privacy Notice. In any case, you affirm that you are over the age of 13, as **THE WEBSITE IS NOT INTENDED FOR CHILDREN UNDER 13 THAT ARE UNACCOMPANIED BY HIS OR HER PARENT OR LEGAL GUARDIAN.**

Parents should be aware that FNF's Privacy Notice will govern our use of Personal Information, but also that information that is voluntarily given by children – or others – in email exchanges, bulletin boards or the like may be used by other parties to generate unsolicited communications. FNF encourages all parents to instruct their children in the safe and responsible use of their Personal Information while using the Internet.

Privacy Outside the Website

The Website may contain various links to other websites, including links to various third party service providers. FNF is not and cannot be responsible for the privacy practices or the content of any of those other websites. Other than under agreements with certain reputable organizations and companies, and except for third party service providers

whose services either we use or you voluntarily elect to utilize, we do not share any of the Personal Information that you provide to us with any of the websites to which the Website links, although we may share aggregate, non-Personal Information with those other third parties. Please check with those websites in order to determine their privacy policies and your rights under them.

European Union Users

If you are a citizen of the European Union, please note that we may transfer your Personal Information outside the European Union for use for any of the purposes described in this Privacy Notice. By providing FNF with your Personal Information, you consent to both our collection and such transfer of your Personal Information in accordance with this Privacy Notice.

Choices with Your Personal Information

Whether you submit Personal Information to FNF is entirely up to you. You may decide not to submit Personal Information, in which case FNF may not be able to provide certain services or products to you.

You may choose to prevent FNF from disclosing or using your Personal Information under certain circumstances (“opt out”). You may opt out of any disclosure or use of your Personal Information for purposes that are incompatible with the purpose(s) for which it was originally collected or for which you subsequently gave authorization by notifying us by one of the methods at the end of this Privacy Notice. Furthermore, even where your Personal Information is to be disclosed and used in accordance with the stated purposes in this Privacy Notice, you may elect to opt out of such disclosure to and use by a third party that is not acting as an agent of FNF. As described above, there are some uses from which you cannot opt-out.

Please note that opting out of the disclosure and use of your Personal Information as a prospective employee may prevent you from being hired as an employee by FNF to the extent that provision of your Personal Information is required to apply for an open position.

If FNF collects Personal Information from you, such information will not be disclosed or used by FNF for purposes that are incompatible with the purpose(s) for which it was originally collected or for which you subsequently gave authorization unless you affirmatively consent to such disclosure and use.

You may opt out of online behavioral advertising by following the instructions set forth above under the above section “Additional Ways That Information Is Collected Through the Website,” subsection “Third Party Opt Out.”

Access and Correction

To access your Personal Information in the possession of FNF and correct inaccuracies of that information in our records, please contact us in the manner specified at the end of this Privacy Notice. We ask individuals to identify themselves and the information requested to be accessed and amended before processing such requests, and we may decline to process requests in limited circumstances as permitted by applicable privacy legislation.

Your California Privacy Rights

Under California’s “Shine the Light” law, California residents who provide certain personally identifiable information in connection with obtaining products or services for personal, family or household use are entitled to request and obtain from us once a calendar year information about the customer information we shared, if any, with other businesses for their own direct marketing uses. If applicable, this information would include the categories of customer information and the names and addresses of those businesses with which we shared customer information for the immediately prior calendar year (e.g., requests made in 2013 will receive information regarding 2012 sharing activities).

To obtain this information on behalf of FNF, please send an email message to privacy@fnf.com with “Request for California Privacy Information” in the subject line and in the body of your message. We will provide the requested information to you at your email address in response.

Please be aware that not all information sharing is covered by the “Shine the Light” requirements and only information on covered sharing will be included in our response.

Additionally, because we may collect your Personal Information from time to time, California’s Online Privacy Protection Act requires us to disclose how we respond to “do not track” requests and other similar mechanisms. Currently, our policy is that we do not recognize “do not track” requests from Internet browsers and similar devices.

Your Consent to This Privacy Notice

By submitting Personal Information to FNF, you consent to the collection and use of information by us as specified above or as we otherwise see fit, in compliance with this Privacy Notice, unless you inform us otherwise by means of the procedure identified below. If we decide to change this Privacy Notice, we will make an effort to post those changes on the Website. Each time we collect information from you following any amendment of this Privacy Notice will signify your assent to and acceptance of its revised terms for all previously collected information and information collected from you in the future. We may use comments, information or feedback that you may submit in any manner that we may choose without notice or compensation to you.

If you have additional questions or comments, please let us know by sending your comments or requests to:

Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, Florida 32204
Attn: Chief Privacy Officer
(888) 934-3354
privacy@fnf.com

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EFFECTIVE AS OF: JANUARY 24, 2014

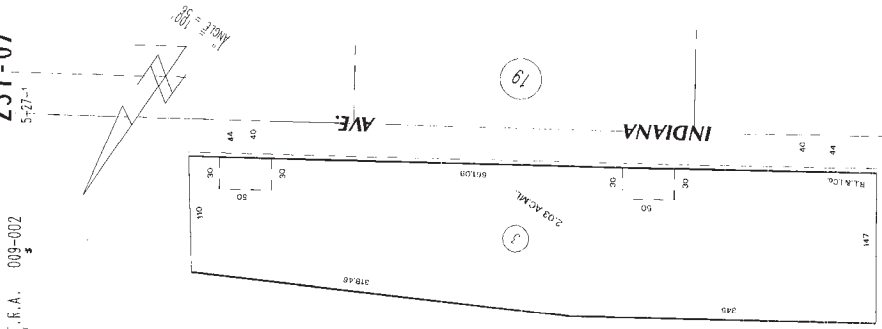
LAST UPDATED: JANUARY 24, 2014

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN. ASSESSOR'S PARCEL MAP NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.

POR, SEC 8 T.3S., R.5W
CITY OF RIVERSIDE

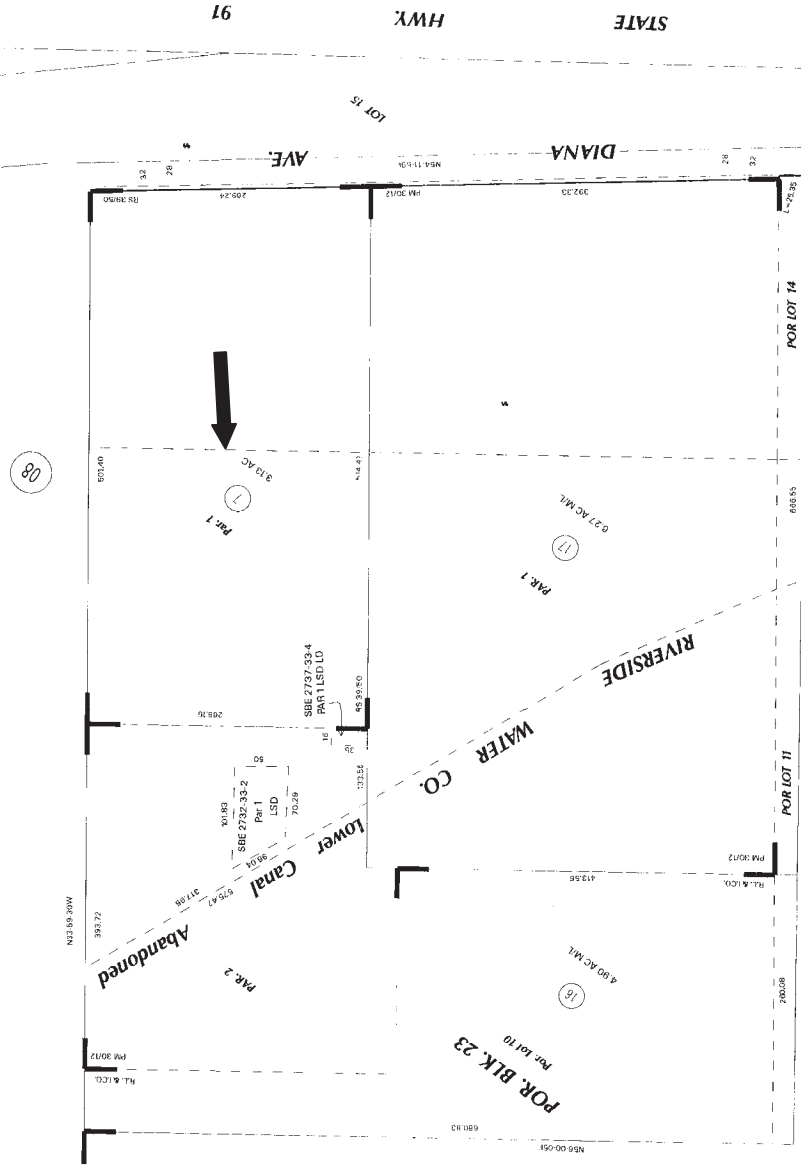
231-07
5-27-1

T.R.A. 009-002



PARCEL	S.D. NUMBER	NEW NUMBER
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17

Mo, 2002



RS 39/50
MB 1/70 SB R.L. & L. CO.
PM 30/12-13 PARCEL MAP 7998

DATA: MB 11/28-71 SB
RS 1/70
PM 30/12-13

ASSESSOR'S MAP B4231 PG.07
Riverside County, Calif.

648

**EDR-Radius Map
Report**

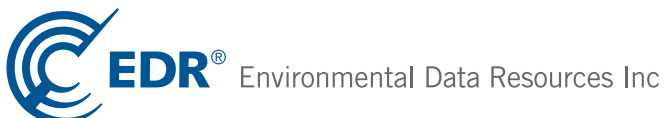
Appendix E

Riverside Free Methodist Church

8431 Diana Avenue
Riverside, CA 92504

Inquiry Number: 3967815.2s
June 09, 2014

The EDR Radius Map™ Report with GeoCheck®



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

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

FORM-LBD-KKT

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

8431 DIANA AVENUE
RIVERSIDE, CA 92504

COORDINATES

Latitude (North):	33.9269000 - 33° 55' 36.84"
Longitude (West):	117.4224000 - 117° 25' 20.64"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	460957.9
UTM Y (Meters):	3753937.0
Elevation:	823 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-H4 RIVERSIDE WEST, CA
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

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

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File

EXECUTIVE SUMMARY

TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
CA BOND EXP. PLAN.....	Bond Expenditure Plan
NPDES.....	NPDES Permits Listing
UIC.....	UIC Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
2020 COR ACTION.....	2020 Corrective Action Program List
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
WDS.....	Waste Discharge System
PRP.....	Potentially Responsible Parties
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
HWT.....	Registered Hazardous Waste Transporter Database
HWP.....	EnviroStor Permitted Facilities Listing
PROC.....	Certified Processors Database
Financial Assurance.....	Financial Assurance Information Listing
EPA WATCH LIST.....	EPA WATCH LIST

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
 RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

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 03/11/2014 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EXXON MOBIL OIL CORP	3399 ADAMS ST	E 1/8 - 1/4 (0.162 mi.)	D19	40

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 03/11/2014 has revealed that there are 6 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>TOYOTA OF RIVERSIDE</i>	<i>8423 INDIANA AVE</i>	<i>SSE 0 - 1/8 (0.083 mi.)</i>	<i>1</i>	<i>8</i>
<i>RIVERSIDE METRO AUTO GROUP L L</i>	<i>8330 INDIANA AVE</i>	<i>ESE 0 - 1/8 (0.097 mi.)</i>	<i>A4</i>	<i>12</i>
<i>SHELL SERVICE STATION</i>	<i>3502 ADAMS</i>	<i>ENE 1/8 - 1/4 (0.130 mi.)</i>	<i>B9</i>	<i>20</i>
<i>HIGHLANDER CLEANERS</i>	<i>3566 ADAMS</i>	<i>NNE 1/8 - 1/4 (0.131 mi.)</i>	<i>C12</i>	<i>29</i>
<i>WALTERS MERCEDES PORSCHE</i>	<i>3210 ADAMS ST AUTO CENT</i>	<i>SE 1/8 - 1/4 (0.133 mi.)</i>	<i>A13</i>	<i>30</i>
<i>MOHAMADS MOBIL SERVICE</i>	<i>3399 ADAMS ST</i>	<i>E 1/8 - 1/4 (0.162 mi.)</i>	<i>D17</i>	<i>36</i>

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 identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal

EXECUTIVE SUMMARY

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 05/05/2014 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERSIDE PUBLIC UTILITIES DEP Status: Refer: Other Agency	8095 LINCOLN AVENUE	ESE 1/2 - 1 (0.718 mi.)	34	66
PROGRESSIVE CUSTOM WHEELS, INC Status: Inactive - Needs Evaluation	2950 JEFFERSON STREET	E 1/2 - 1 (0.787 mi.)	35	70

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 05/01/2014 has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERSIDE METRO AUTO GROUP L L Status: Completed - Case Closed	8330 INDIANA AVE	ESE 0 - 1/8 (0.097 mi.)	A4	12
SHELL SERVICE STATION Status: Completed - Case Closed	3502 ADAMS	ENE 1/8 - 1/4 (0.130 mi.)	B9	20
MOBIL STATION 18-HQF Status: Completed - Case Closed	3399 ADAMS ST.	E 1/8 - 1/4 (0.162 mi.)	D16	33
MOBIL STATION 18-HQF WALTERS AUTO SALES AND SERVICE Status: Completed - Case Closed	3399 ADAMS ST. 3150 AUTO CENTER DR	E 1/8 - 1/4 (0.162 mi.) ESE 1/8 - 1/4 (0.239 mi.)	D18 E27	37 46
RIVERSIDE AUTO CENTER Status: Completed - Case Closed	8200 AUTO	ESE 1/4 - 1/2 (0.299 mi.)	29	50
RIVERSIDE AUTO CENTER	8200 AUTO DRIVE	E 1/4 - 1/2 (0.302 mi.)	F30	52
TIBBETS MGMT INCORPORATED	8200 AUTO DR	E 1/4 - 1/2 (0.302 mi.)	F31	53
RIV., CITY OF - TRAINING TOWER Status: Completed - Case Closed	3205 SAINT LAWRENCE ST	E 1/4 - 1/2 (0.485 mi.)	G32	63

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 03/17/2014 has revealed that there are 3 UST

EXECUTIVE SUMMARY

sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
QUAID INTERNATIONAL AUTO EXPO	8330 INDIANA AVE	ESE 0 - 1/8 (0.097 mi.)	A2	11
SHELL JURGEN ARNDT	3502 ADAMS ST.	ENE 1/8 - 1/4 (0.130 mi.)	B8	20
MOBIL STATION #18-HQF	3399 ADAMS ST	E 1/8 - 1/4 (0.162 mi.)	D21	42

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 5 CA FID UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #95380	8315 INDIANA AVE	E 0 - 1/8 (0.125 mi.)	A7	18
SHELL JURGEN ARNDT	3502 ADAMS	ENE 1/8 - 1/4 (0.131 mi.)	B11	27
MOBIL #18-HQF	3399 ADAMS ST	E 1/8 - 1/4 (0.162 mi.)	D20	41
QUAID IMPORTS	8330 AUTO DR	ESE 1/8 - 1/4 (0.219 mi.)	E24	44
RIVERSIDE PORSCHE AUDI	3250 ADAMS ST	ESE 1/8 - 1/4 (0.225 mi.)	E25	45

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TOYOTA OF RIVERSIDE	8423 INDIANA AVE	SSE 0 - 1/8 (0.083 mi.)	1	8
95380	8315 INDIANA AVE	E 0 - 1/8 (0.125 mi.)	A5	17
JURGEN ARNDT	3502 ADAMS ST	ENE 1/8 - 1/4 (0.130 mi.)	B10	26
MOBIL STATION 18-HQF	3399 ADAMS ST.	E 1/8 - 1/4 (0.162 mi.)	D16	33
TIRES & WHEELS - TEXACO	8291 INDIANA AVE	E 1/8 - 1/4 (0.168 mi.)	D23	43

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 5 SWEEPS UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEVRON #95380	8315 INDIANA AVE	E 0 - 1/8 (0.125 mi.)	A7	18
SHELL JURGEN ARNDT	3502 ADAMS	ENE 1/8 - 1/4 (0.131 mi.)	B11	27
MOBIL #18-HQF	3399 ADAMS ST	E 1/8 - 1/4 (0.162 mi.)	D20	41
QUAID IMPORTS	8330 AUTO DR	ESE 1/8 - 1/4 (0.219 mi.)	E24	44
RIVERSIDE PORSCHE AUDI	3250 ADAMS ST	ESE 1/8 - 1/4 (0.225 mi.)	E25	45

EXECUTIVE SUMMARY

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 03/11/2014 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WALTERS AUTO SALES AND SERVICE	3150 AUTO CENTER DR	ESE 1/8 - 1/4 (0.239 mi.)	E27	46

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 5 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RIVERSIDE METRO AUTO GROUP L L	8330 INDIANA AVE	ESE 0 - 1/8 (0.097 mi.)	A4	12
MOBIL #18-HQF	3399 ADAMS ST	E 1/8 - 1/4 (0.162 mi.)	D20	41
WALTERS AUTO SALES AND SERVICE	3150 AUTO CENTER DR	ESE 1/8 - 1/4 (0.239 mi.)	E27	46
RIVERSIDE AUTO CENTER	8200 AUTO	ESE 1/4 - 1/2 (0.299 mi.)	29	50
RIV., CITY OF - TRAINING TOWER	3205 SAINT LAWRENCE ST	E 1/4 - 1/2 (0.485 mi.)	G32	63

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY OF TRARNING TOWER	3205 ST. LAWRENCE	E 1/2 - 1 (0.523 mi.)	G33	65

DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/10/2013 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HIGHLANDER CLEANERS	3566 ADAMS	NNE 1/8 - 1/4 (0.131 mi.)	C12	29

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: 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 US Hist Auto Stat list, as provided by EDR, has revealed that there are 5 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	8330 INDIANA AVE	ESE 0 - 1/8 (0.097 mi.)	A3	11
Not reported	8315 INDIANA AVE	E 0 - 1/8 (0.125 mi.)	A6	18
Not reported	3399 ADAMS ST	E 1/8 - 1/4 (0.157 mi.)	D15	32
Not reported	3205 VANCE ST	SSE 1/8 - 1/4 (0.230 mi.)	26	45
Not reported	8237 INDIANA AVE	E 1/8 - 1/4 (0.246 mi.)	28	50

EDR US Hist 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.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

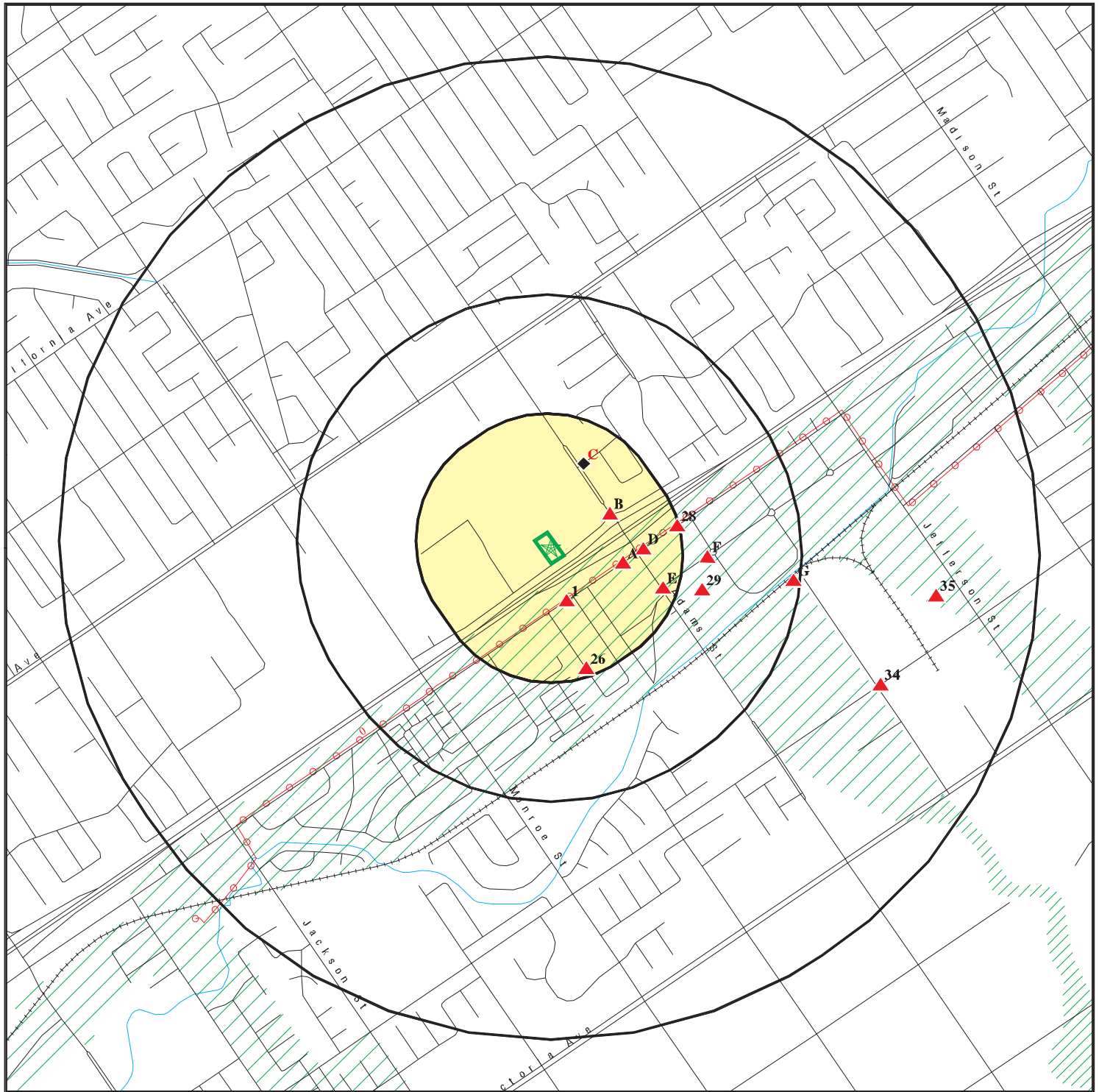
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3566 ADAMS ST	NNE 1/8 - 1/4 (0.134 mi.)	C14	32
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	4292 BRIARWOOD DR	NNE 1/8 - 1/4 (0.164 mi.)	C22	43

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
WEST RIVERSIDE LANDFILL - CLOSED	ENF
HUMPHRIES, CLARENCE, REAL PROP	HIST CORTESE, LUST, Notify 65
PACIFIC AIRMOTIVE	CERC-NFRAP
RIVERSIDE HOUSING DEVELOPMENT CORP	HAZNET
RIVERSIDE HOUSING DEVELOPMENT CORP	HAZNET
CITY OF RIVERSIDE	HAZNET
ENVIROMENTAL ENHANCEMENT SYSTEMS	RCRA-SQG, FINDS
RIVERSIDE NATIONAL CEMETERY	FINDS
UNIV CAL RIVERSIDE	FINDS
UNIV. CALIFORNIA, RIVERSIDE	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE CO. STORM WATER SYSTEM #	FINDS
RIVERSIDE, COUNTY OF/MS4	FINDS
CITY OF RIVERSIDE (TEQUESQUITE LAN	FINDS
RIVERSIDE METRO CENTER	FINDS

OVERVIEW MAP - 3967815.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

Areas of Concern

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

SITE NAME: Riverside Free Methodist Church

ADDRESS: 8431 Diana Avenue

Riverside, CA 92504

LAT/LONG: 33.92697117, -117.4224

CLIENT: Converse Consult Inland Empire

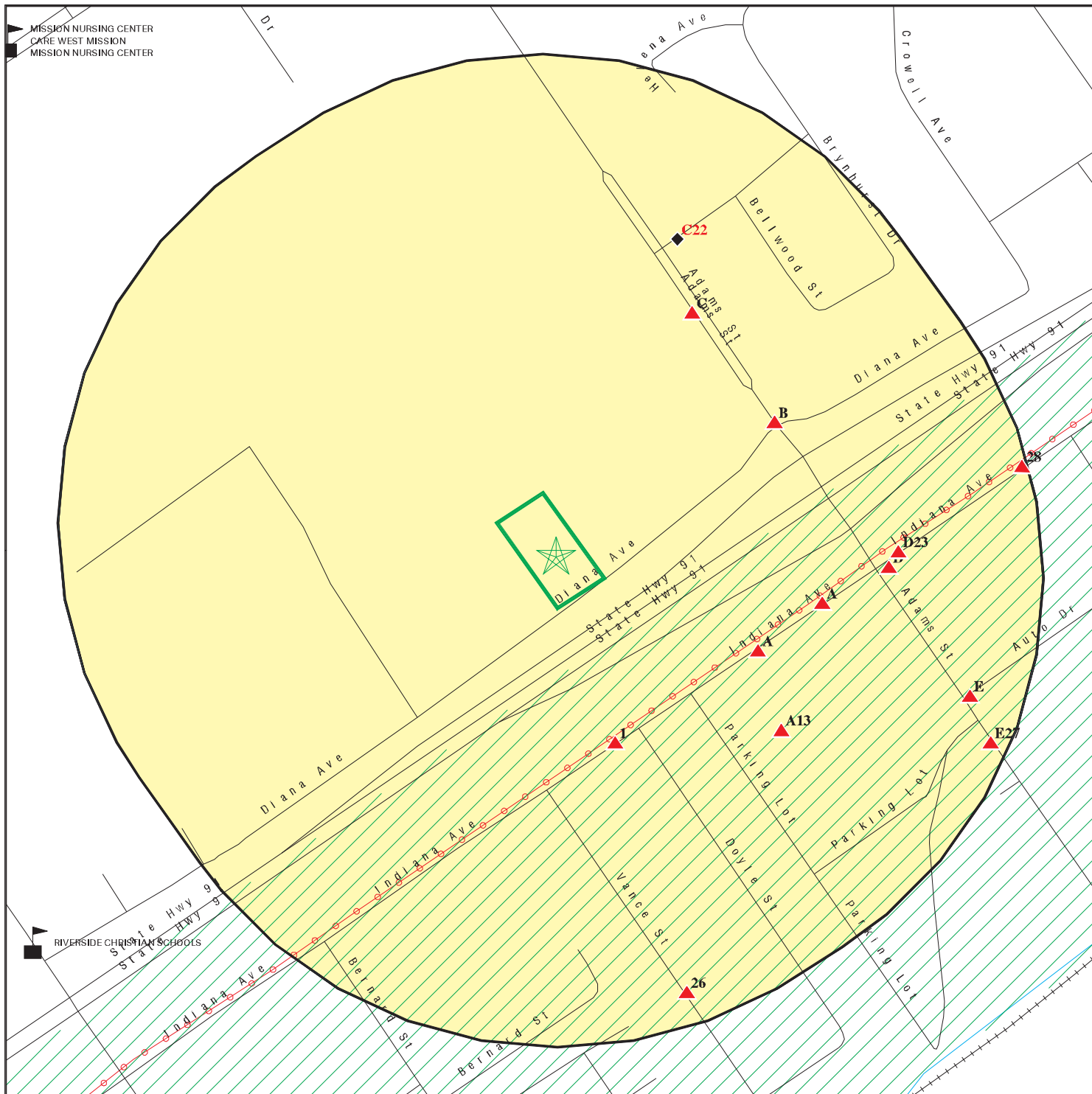
CONTACT: Steve Weatherton

INQUIRY #: 3967815.2s

DATE: June 05, 2014 8:08 pm

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

DETAIL MAP - 3967815.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

- Areas of Concern

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

SITE NAME: Riverside Free Methodist Church
 ADDRESS: 8431 Diana Avenue
 Riverside, CA 92504
 LAT/LONG: 33.92697117, 4224

CLIENT: Converse Consult Inland Empire
 CONTACT: Steve Weatherton
 INQUIRY #: 3967815.2s
 DATE: June 05, 2014 8:07 pm

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

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								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		2	4	NR	NR	NR	6
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	0	2	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		1	4	4	NR	NR	9

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		1	2	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		1	4	NR	NR	NR	5
HIST UST	0.250		2	3	NR	NR	NR	5
SWEEPS UST	0.250		1	4	NR	NR	NR	5
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		1	2	2	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	1	NR	1
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
PROC	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Financial Assurance	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		2	3	NR	NR	NR	5
EDR US Hist Cleaners	0.250		0	2	NR	NR	NR	2

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

1
SSE
< 1/8
0.083 mi.
439 ft.

TOYOTA OF RIVERSIDE
8423 INDIANA AVE
RIVERSIDE, CA 92504

RCRA-SQG
FINDS
HIST UST
HAZNET

1000342872
CAD047786397

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/01/1996

Facility name: TOYOTA OF RIVERSIDE

Facility address: 8423 INDIANA AVE
RIVERSIDE, CA 92504

EPA ID: CAD047786397

Contact: Not reported

Contact address: Not reported

Contact country: Not reported

Contact telephone: Not reported

Contact email: Not reported

EPA Region: 09

Land type: Facility is not located on Indian land. Additional information is not known.

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: L REDFORD

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOYOTA OF RIVERSIDE (Continued)

1000342872

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/24/1986
Facility name: TOYOTA OF RIVERSIDE
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002647011

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.

HIST UST:

Region: STATE
Facility ID: 00000018759
Facility Type: Other
Other Type: AUTO DEALERSHIP
Total Tanks: 0002
Contact Name: LEONARD REDFORD III
Telephone: 7146871622
Owner Name: JOE REDFORDS TOYOTA OF RIVERSI
Owner Address: 8423 INDIANA AVE.
Owner City,St,Zip: RIVERSIDE, CA 92504

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOYOTA OF RIVERSIDE (Continued)

1000342872

Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

HAZNET:

Year: 2004
Gepaid: CAD047786397
Contact: DEBORAH PRICE
Telephone: --
Mailing Name: Not reported
Mailing Address: 7870 INDIANA AVE
Mailing City,St,Zip: RIVERSIDE, CA 925044043
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Not reported
Tons: 0.22
Facility County: Riverside

Year: 2003
Gepaid: CAD047786397
Contact: DEBORAH PRICE
Telephone: --
Mailing Name: Not reported
Mailing Address: 7870 INDIANA AVE
Mailing City,St,Zip: RIVERSIDE, CA 925044043
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.22
Facility County: Riverside

Year: 2002
Gepaid: CAD047786397
Contact: DEBORAH PRICE
Telephone: --
Mailing Name: Not reported
Mailing Address: 7870 INDIANA AVE
Mailing City,St,Zip: RIVERSIDE, CA 925044043
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.22
Facility County: Riverside

Year: 1999
Gepaid: CAD047786397
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOYOTA OF RIVERSIDE (Continued)

1000342872

Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7870 INDIANA AVE
Mailing City,St,Zip: RIVERSIDE, CA 925044043
Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .4170
Facility County: Riverside

Year: 1999
Gepaid: CAD047786397
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7870 INDIANA AVE
Mailing City,St,Zip: RIVERSIDE, CA 925044043
Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .4587
Facility County: Riverside

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

A2
ESE
< 1/8
0.097 mi.
510 ft.

QUAID INTERNATIONAL AUTO EXPO
8330 INDIANA AVE
RIVERSIDE, CA 92504

UST U003803121
N/A

Site 1 of 7 in cluster A

Relative:
Higher

UST:
Facility ID: 608
Latitude: 33.926255
Longitude: -117.418072
Permitting AgencyRIVERSIDE COUNTY

Actual:
827 ft.

A3
ESE
< 1/8
0.097 mi.
510 ft.

8330 INDIANA AVE
RIVERSIDE, CA 92504

EDR US Hist Auto Stat 1015651468
N/A

Site 2 of 7 in cluster A

Relative:
Higher

EDR Historical Auto Stations:
Name: RIVERSIDE METRO AUTO GROUP
Year: 2002
Address: 8330 INDIANA AVE

Name: SEIDNERS COLLISION CENTER CORP
Year: 2006
Address: 8330 INDIANA AVE

Actual:
827 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015651468

Name: SEIDNERS COLLISION CENTER CORP
Year: 2007
Address: 8330 INDIANA AVE

Name: SEIDNER COLLISION
Year: 2009
Address: 8330 INDIANA AVE

Name: SEIDNERS COLLISION CTR
Year: 2010
Address: 8330 INDIANA AVE

Name: SEIDNERS COLLISION CENTER
Year: 2011
Address: 8330 INDIANA AVE

Name: SEIDNERS COLLISION CENTER
Year: 2012
Address: 8330 INDIANA AVE

A4
ESE
< 1/8
0.097 mi.
510 ft.

RIVERSIDE METRO AUTO GROUP L L C
8330 INDIANA AVE
RIVERSIDE, CA 92504
Site 3 of 7 in cluster A

RCRA-SQG
FINDS
HIST CORTESE
LUST

1000247601
CAD094134079

Relative:
Higher

Actual:
827 ft.

RCRA-SQG:
Date form received by agency: 05/04/2000
Facility name: RIVERSIDE METRO AUTO GROUP L L C
Facility address: 8330 INDIANA AVE
RIVERSIDE, CA 92504
EPA ID: CAD094134079
Contact: LEN SOUTHWICK
Contact address: 8330 INDIANA AVE
RIVERSIDE, CA 92504
Contact country: US
Contact telephone: (909) 688-9420
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: RIVERSIDE METRO AUTO DEALER INC
Owner/operator address: 8330 INDIANA AVE
RIVERSIDE, CA 92504
Owner/operator country: Not reported
Owner/operator telephone: (909) 688-9420
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE METRO AUTO GROUP L L C (Continued)

1000247601

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 09/01/1996
Facility name: RIVERSIDE METRO AUTO GROUP L L C
Classification: Small Quantity Generator

Hazardous Waste Summary:

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

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/28/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002664322

Environmental Interest/Information System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE METRO AUTO GROUP L L C (Continued)

1000247601

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HIST CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083301935T

LUST:

Region:	STATE
Global Id:	T0606500250
Latitude:	33.9263036
Longitude:	-117.419636
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/20/1992
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	SCB
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	083301935T
LOC Case Number:	91826
File Location:	Local Agency Warehouse
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0606500250
Contact Type:	Local Agency Caseworker
Contact Name:	SHARON BOLTINGHOUSE
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	sbolting@rivcocha.org
Phone Number:	9519558982

Global Id:	T0606500250
Contact Type:	Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE METRO AUTO GROUP L L C (Continued)

1000247601

Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0606500250
Status: Completed - Case Closed
Status Date: 03/20/1992

Global Id: T0606500250
Status: Open - Site Assessment
Status Date: 10/31/1991

Global Id: T0606500250
Status: Open - Case Begin Date
Status Date: 08/21/1991

Regulatory Activities:

Global Id: T0606500250
Action Type: ENFORCEMENT
Date: 03/19/1992
Action: Closure/No Further Action Letter - #RivCo Closure

Global Id: T0606500250
Action Type: ENFORCEMENT
Date: 03/20/1992
Action: Closure/No Further Action Letter

Global Id: T0606500250
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606500250
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0606500250
Action Type: ENFORCEMENT
Date: 03/19/1992
Action: Closure/No Further Action Letter - #RivCo Closure

Global Id: T0606500250
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0606500250
Action Type: ENFORCEMENT
Date: 03/18/1992
Action: File review - #RCDEH Upload Site File 8/4/2010

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE METRO AUTO GROUP L L C (Continued)

1000247601

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083301935T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Unleaded Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500250
How Stopped Date:	Not reported
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	3/20/1992
Date Prelim Assessment Workplan Submitted:	10/31/1991
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:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9263036
Longitude:	-117.419636
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	03/20/92 SECOND CLOSURE LETTER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE METRO AUTO GROUP L L C (Continued)

1000247601

RIVERSIDE CO. LUST:

Region: RIVERSIDE
Facility ID: 91826
Employee: Boltinghous-LOP
Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed

A5 95380
East 8315 INDIANA AVE
< 1/8 RIVERSIDE, CA 92504
0.125 mi.
659 ft. Site 4 of 7 in cluster A

HIST UST U001576372
N/A

Relative:
Higher

HIST UST:

Region: STATE
Facility ID: 00000062751
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: IDE, CHARLES
Telephone: 687702
Owner Name: CHEVRON U.S.A. INC.
Owner Address: 575 MARKET
Owner City, St, Zip: SAN FRANCISCO, CA 94105

Actual:
829 ft.

Tank Num: 001
Container Num: 1
Year Installed: 1962
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000170 unknown
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1962
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1962
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: 1968
Tank Capacity: 00010000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

95380 (Continued)

U001576372

Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000250 unknown
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 5
Year Installed: 1962
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0000100 unknown
Leak Detection: Stock Inventor

A6
East
< 1/8
0.125 mi.
659 ft.

8315 INDIANA AVE
RIVERSIDE, CA 92504

EDR US Hist Auto Stat **1015651037**
N/A

Site 5 of 7 in cluster A

Relative:
Higher

EDR Historical Auto Stations:

Name: AUTO CENTER CHEVRON SERVICE
Year: 1999

Actual:
829 ft.

Address: 8315 INDIANA AVE

Name: AUTO CENTER CHEVRON SERVICE
Year: 2000
Address: 8315 INDIANA AVE

A7
East
< 1/8
0.125 mi.
659 ft.

CHEVRON #95380
8315 INDIANA AVE
RIVERSIDE, CA 92504

CA FID UST **U002095303**
SWEEPS UST **N/A**

Site 6 of 7 in cluster A

Relative:
Higher

CA FID UST:

Facility ID: 33007140
Regulated By: UTNKA
Regulated ID: 00062751
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX 2833
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92504
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
829 ft.

SWEEPS UST:

Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #95380 (Continued)

U002095303

Comp Number: 62751
Number: 1
Board Of Equalization: 44-018442
Referral Date: 10-28-92
Action Date: 10-28-92
Created Date: 02-29-88
Owner Tank Id: 000281
SWRCB Tank Id: 33-000-062751-000001
Tank Status: A
Capacity: 10000
Active Date: 10-28-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 62751
Number: 1
Board Of Equalization: 44-018442
Referral Date: 10-28-92
Action Date: 10-28-92
Created Date: 02-29-88
Owner Tank Id: 000281
SWRCB Tank Id: 33-000-062751-000002
Tank Status: A
Capacity: 10000
Active Date: 10-28-92
Tank Use: M.V. FUEL
STG: P
Content: MID GRADE UN
Number Of Tanks: Not reported

Status: Active
Comp Number: 62751
Number: 1
Board Of Equalization: 44-018442
Referral Date: 10-28-92
Action Date: 10-28-92
Created Date: 02-29-88
Owner Tank Id: 000281
SWRCB Tank Id: 33-000-062751-000003
Tank Status: A
Capacity: 10000
Active Date: 10-28-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 62751
Number: 1
Board Of Equalization: 44-018442
Referral Date: 10-28-92
Action Date: 10-28-92
Created Date: 02-29-88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON #95380 (Continued)

U002095303

Owner Tank Id: 000281
SWRCB Tank Id: 33-000-062751-000004
Tank Status: A
Capacity: 1000
Active Date: 10-28-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

B8
ENE
1/8-1/4
0.130 mi.
684 ft.

SHELL JURGEN ARNDT
3502 ADAMS ST.
RIVERSIDE, CA 92504
Site 1 of 4 in cluster B

UST **U004044567**
N/A

Relative:
Higher

UST:
Facility ID: 80726
Latitude: 33.929291
Longitude: -117.419332
Permitting Agency RIVERSIDE COUNTY

Actual:
825 ft.

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 3

B9
ENE
1/8-1/4
0.130 mi.
684 ft.

SHELL SERVICE STATION
3502 ADAMS
RIVERSIDE, CA 92506
Site 2 of 4 in cluster B

RCRA-SQG **1001967466**
FINDS **CAR000069401**
LUST
HAZNET

Relative:
Higher

RCRA-SQG:
Date form received by agency: 08/14/2002
Facility name: SHELL SERVICE STATION
Facility address: 3502 ADAMS
S A P NO 135822
RIVERSIDE, CA 925063356
EPA ID: CAR000069401
Mailing address: P O BOX 2648
HOUSTON, TX 772522648
Contact: SONDRA BIENVENU
Contact address: P O BOX 2648
HOUSTON, TX 772522648
Contact country: US
Contact telephone: (713) 241-5036
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
825 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1001967466

Owner/Operator Summary:

Owner/operator name: EQUILON ENTERPRISES LLC DBA SHELL OIL US
Owner/operator address: P O BOX 2648
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

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

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110002934594

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1001967466

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.

LUST:

Region:	STATE
Global Id:	T0606581100
Latitude:	33.927991938
Longitude:	-117.420292264
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/25/2007
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	SCB
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	200319419
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id:	T0606581100
Contact Type:	Local Agency Caseworker
Contact Name:	SHARON BOLTINGHOUSE
Organization Name:	RIVERSIDE COUNTY LOP
Address:	3880 LEMON ST SUITE 200
City:	RIVERSIDE
Email:	sbolting@rivcocha.org
Phone Number:	9519558982

Global Id:	T0606581100
Contact Type:	Regional Board Caseworker
Contact Name:	CARL BERNHARDT
Organization Name:	SANTA ANA RWQCB (REGION 8)
Address:	3737 MAIN STREET, SUITE 500
City:	RIVERSIDE
Email:	cbernhardt@waterboards.ca.gov
Phone Number:	9517824495

Status History:

Global Id:	T0606581100
Status:	Open - Site Assessment
Status Date:	03/05/2003

Global Id:	T0606581100
Status:	Open - Site Assessment
Status Date:	05/21/2003

Global Id:	T0606581100

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1001967466

Status: Open - Case Begin Date
Status Date: 03/04/2003

Global Id: T0606581100
Status: Completed - Case Closed
Status Date: 05/25/2007

Global Id: T0606581100
Status: Open - Verification Monitoring
Status Date: 08/29/2005

Regulatory Activities:

Global Id: T0606581100
Action Type: ENFORCEMENT
Date: 05/24/2007
Action: File review - #RCDEH Upload Site File 10/19/2010

Global Id: T0606581100
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606581100
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0606581100
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0606581100
Action Type: ENFORCEMENT
Date: 05/25/2007
Action: Closure/No Further Action Letter

Global Id: T0606581100
Action Type: REMEDIATION
Date: 01/01/1950
Action: Not reported

LUST REG 8:

Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Preliminary site assessment workplan submitted
Case Number: Not reported
Local Case Num: 200319419
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: DIANA AVE
Enf Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1001967466

Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	New Tank
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0606581100
How Stopped Date:	3/5/2003
Enter Date:	Not reported
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	3/5/2003
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	3/5/2003
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:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.92799194
Longitude:	-117.4202923
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	22
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	CAB
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	Not reported
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	200319419
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed

HAZNET:

Year:	2010
Gepaid:	CAR000069401

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1001967466

Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO Box 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.025
Facility County: Riverside

Year: 2010
Gepaid: CAR000069401
Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO Box 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.051
Facility County: Riverside

Year: 2010
Gepaid: CAR000069401
Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO Box 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.051
Facility County: Riverside

Year: 2010
Gepaid: CAR000069401
Contact: J. Traylor/ENV REPORTING ANALYST
Telephone: 7132416992
Mailing Name: Not reported
Mailing Address: PO Box 3127
Mailing City,St,Zip: HOUSTON, TX 772530000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other organic solids

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1001967466

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.025
Facility County: Riverside

Year: 2006
Gepaid: CAR000069401
Contact: R HULL/ENV. REPORTING ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DR 300G03
Mailing City,St,Zip: Houston, TX 770670000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.1
Facility County: Riverside

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

B10
ENE
1/8-1/4
0.130 mi.
684 ft.
JURGEN ARNDT
3502 ADAMS ST
RIVERSIDE, CA 92506
Site 3 of 4 in cluster B

HIST UST **U001576456**
N/A

Relative:
Higher

HIST UST:
Region: STATE
Facility ID: 00000002940
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0004
Contact Name: JURGEN ARNDT
Telephone: 7146896049
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803

Actual:
825 ft.

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 002
Container Num: 2
Year Installed: 1982
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JURGEN ARNDT (Continued)

U001576456

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 004
Container Num: 4
Year Installed: 1982
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

**B11
ENE
1/8-1/4
0.131 mi.
690 ft.**

**SHELL JURGEN ARNDT
3502 ADAMS
RIVERSIDE, CA 92506**

**CA FID UST
SWEEPS UST**

**S101631152
N/A**

Site 4 of 4 in cluster B

**Relative:
Higher**

CA FID UST:

Facility ID: 33006853
Regulated By: UTNKA
Regulated ID: 00002940
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146896049
Mail To: Not reported
Mailing Address: 3404 CENTRAL AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92506
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

**Actual:
825 ft.**

SWEEPS UST:

Status: Active
Comp Number: 2940
Number: 1
Board Of Equalization: 44-017885
Referral Date: 11-18-92
Action Date: 11-18-92
Created Date: 02-29-88
Owner Tank Id: 000137
SWRCB Tank Id: 33-000-002940-000001
Tank Status: A
Capacity: 10000
Active Date: 11-18-92
Tank Use: M.V. FUEL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL JURGEN ARNDT (Continued)

S101631152

STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 2940
Number: 1
Board Of Equalization: 44-017885
Referral Date: 11-18-92
Action Date: 11-18-92
Created Date: 02-29-88
Owner Tank Id: 000137
SWRCB Tank Id: 33-000-002940-000002
Tank Status: A
Capacity: 10000
Active Date: 11-18-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2940
Number: 1
Board Of Equalization: 44-017885
Referral Date: 11-18-92
Action Date: 11-18-92
Created Date: 02-29-88
Owner Tank Id: 000137
SWRCB Tank Id: 33-000-002940-000003
Tank Status: A
Capacity: 10000
Active Date: 11-18-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 2940
Number: 1
Board Of Equalization: 44-017885
Referral Date: 11-18-92
Action Date: 11-18-92
Created Date: 02-29-88
Owner Tank Id: 000137
SWRCB Tank Id: 33-000-002940-000004
Tank Status: A
Capacity: 10000
Active Date: 11-18-92
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

C12
NNE
1/8-1/4
0.131 mi.
694 ft.

HIGHLANDER CLEANERS
3566 ADAMS
RIVERSIDE, CA 92504

Site 1 of 3 in cluster C

RCRA-SQG
FINDS
DRYCLEANERS

1000242429
CAD981615487

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: HIGHLANDER CLEANERS
Facility address: 3566 ADAMS
RIVERSIDE, CA 92504
EPA ID: CAD981615487
Contact: ENVIRONMENTAL MANAGER
Contact address: 3566 ADAMS
RIVERSIDE, CA 92504
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ABDUL CHAETHANI
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HIGHLANDER CLEANERS (Continued)

1000242429

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/23/1987
Facility name: HIGHLANDER CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002724972

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.

DRYCLEANERS:

EPA Id: CAL000280178
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 03/17/2004
Facility Active: No
Inactive Date: 06/30/2009
Facility Addr2: Not reported
Owner Name: YONG SOO KOO
Owner Address: 2946 ROLLING MEADOW DR
Owner Address 2: Not reported
Owner Telephone: 9513292979
Contact Name: YONG KOO
Contact Address: 3566 ADAMS ST
Contact Address 2: Not reported
Contact Telephone: 9516890913

A13
SE
1/8-1/4
0.133 mi.
701 ft.

WALTERS MERCEDES PORSCHE
3210 ADAMS ST AUTO CENTER DR
RIVERSIDE, CA 92504

RCRA-SQG 1000218324
FINDS CAD981996978

Site 7 of 7 in cluster A

Relative:
Higher

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: WALTERS MERCEDES PORSCHE
Facility address: 3210 ADAMS ST AUTO CENTER DR
RIVERSIDE, CA 92504
EPA ID: CAD981996978

Actual:
834 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALTERS MERCEDES PORSCHE (Continued)

1000218324

Contact: Not reported
Contact address: Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ERWIN FAMILY PARTNERSHIP
Owner/operator address: P O BOX 4737
RIVERSIDE, CA 92504
Owner/operator country: Not reported
Owner/operator telephone: (909) 359-3034
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 07/26/1993
Facility name: WALTERS MERCEDES PORSCHE
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALTERS MERCEDES PORSCHE (Continued)

1000218324

Violation Status: No violations found

FINDS:

Registry ID: 110002771046

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.

C14
NNE
1/8-1/4
0.134 mi.
705 ft.

3566 ADAMS ST
RIVERSIDE, CA 92504

EDR US Hist Cleaners

1015048690
N/A

Site 2 of 3 in cluster C

Relative:
Higher

EDR Historical Cleaners:

Name: HIGHLANDER CLEANERS
Year: 2001
Address: 3566 ADAMS ST

Actual:
823 ft.

Name: CLEANERS PLUS
Year: 2005
Address: 3566 ADAMS ST

D15
East
1/8-1/4
0.157 mi.
827 ft.

3399 ADAMS ST
RIVERSIDE, CA 92504

EDR US Hist Auto Stat

1015435625
N/A

Site 1 of 8 in cluster D

Relative:
Higher

EDR Historical Auto Stations:

Name: MOHAMADS MOBIL SERVICE
Year: 1999
Address: 3399 ADAMS ST

Actual:
831 ft.

Name: MOHAMADS MOBIL SERVICE
Year: 2000
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2001
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2002
Address: 3399 ADAMS ST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1015435625

Name: MOHAMADS MOBIL SERVICE
Year: 2003
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2004
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2006
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2007
Address: 3399 ADAMS ST

Name: MOBIL
Year: 2008
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SVC
Year: 2010
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2011
Address: 3399 ADAMS ST

Name: MOHAMADS MOBIL SERVICE
Year: 2012
Address: 3399 ADAMS ST

D16 MOBIL STATION 18-HQF
East 3399 ADAMS ST.
1/8-1/4 RIVERSIDE, CA 92504
0.162 mi.
856 ft. Site 2 of 8 in cluster D

LUST U001576373
HIST UST N/A

Relative: LUST:
Higher Region: STATE
Global Id: T0606599287
Actual: Latitude: 33.926783552
832 ft. Longitude: -117.419094761
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/29/2007
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303818T
LOC Case Number: 200117656
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL STATION 18-HQF (Continued)

U001576373

Contact:

Global Id: T0606599287
Contact Type: Regional Board Caseworker
Contact Name: ROSE SCOTT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: rscott@waterboards.ca.gov
Phone Number: 9513206375

Global Id: T0606599287
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivcocha.org
Phone Number: 9519558982

Status History:

Global Id: T0606599287
Status: Open - Site Assessment
Status Date: 07/23/2001

Global Id: T0606599287
Status: Open - Verification Monitoring
Status Date: 07/13/2006

Global Id: T0606599287
Status: Open - Case Begin Date
Status Date: 01/25/2001

Global Id: T0606599287
Status: Open - Remediation
Status Date: 04/07/2004

Global Id: T0606599287
Status: Completed - Case Closed
Status Date: 03/29/2007

Regulatory Activities:

Global Id: T0606599287
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606599287
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0606599287
Action Type: ENFORCEMENT
Date: 03/28/2007
Action: File review - #RCDEH Upload Site File 3/7/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL STATION 18-HQF (Continued)

U001576373

Global Id:	T0606599287
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped
Global Id:	T0606599287
Action Type:	ENFORCEMENT
Date:	03/29/2007
Action:	Closure/No Further Action Letter
Global Id:	T0606599287
Action Type:	REMEDIATION
Date:	01/01/1950
Action:	Soil Vapor Extraction (SVE)

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	200117656
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Drinking Water Aquifer affected
Facility Status:	closed/action completed

HIST UST:

Region:	STATE
Facility ID:	00000039363
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	Not reported
Telephone:	7147851876
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 S. FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL STATION 18-HQF (Continued)

U001576373

Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

D17
East
1/8-1/4
0.162 mi.
856 ft.

MOHAMADS MOBIL SERVICE
3399 ADAMS ST
RIVERSIDE, CA 92504
Site 3 of 8 in cluster D

RCRA-SQG **1000596661**
HAZNET **CAD983606369**

Relative:
Higher

RCRA-SQG:

Actual:
832 ft.

Date form received by agency: 09/19/1991
Facility name: MOHAMADS MOBIL SERVICE
Facility address: 3399 ADAMS ST
RIVERSIDE, CA 92504
EPA ID: CAD983606369
Mailing address: ADAMS ST
RIVERSIDE, CA 92504
Contact: MOHAMAD KHALED
Contact address: 3399 ADAMS ST
RIVERSIDE, CA 92504
Contact country: US
Contact telephone: (714) 687-2249
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: MOHAMAD KHALED
Owner/operator address: 7240 WOOD RD
RIVERSIDE, CA 92506
Owner/operator country: Not reported
Owner/operator telephone: (714) 780-2685
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOHAMADS MOBIL SERVICE (Continued)

1000596661

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

Violation Status: No violations found

HAZNET:

Year: 1998
Gepaid: CAD983606369
Contact: MOHAMAD KHALED
Telephone: 7147802685
Mailing Name: Not reported
Mailing Address: 3399 ADAMS ST
Mailing City,St,Zip: RIVERSIDE, CA 925044063
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Transfer Station
Tons: .6838
Facility County: Riverside

D18
East
1/8-1/4
0.162 mi.
856 ft.

MOBIL STATION 18-HQF
3399 ADAMS ST.
RIVERSIDE, CA 92504

Site 4 of 8 in cluster D

LUST **S105050706**
CHMIRS **N/A**

Relative:
Higher

LUST REG 8:

Actual:
832 ft.

Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Leak being confirmed
Case Number: 083303818T
Local Case Num: 200117656
Case Type: Aquifer affected
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606599287

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL STATION 18-HQF (Continued)

S105050706

How Stopped Date:	1/25/2001
Enter Date:	Not reported
Date Confirmation of Leak Began:	7/23/2001
Date Preliminary Assessment Began:	Not reported
Discover Date:	1/25/2001
Enforcement Date:	Not reported
Close Date:	Not reported
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:	Not reported
GW Qualifies:	=
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.927081
Longitude:	-117.419264
MTBE Date:	6/15/2004
Max MTBE GW:	110
MTBE Concentration:	0
Max MTBE Soil:	270
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	RS
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Haz Mat incident report filed : PIPING/DISPENSER UPGRADE

CHMIRS:

OES Incident Number:	01-0712
OES notification:	02/02/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL STATION 18-HQF (Continued)

S105050706

Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency Personnel # Of Decontaminated:	Not reported
Responding Agency Personnel # Of Injuries:	Not reported
Responding Agency Personnel # 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
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Tanknology
Incident Date:	2/2/2001 12:00:00 AM
Admin Agency:	Riverside City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	0
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0.000000
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Construction at site and soil samples taken and elevated

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL STATION 18-HQF (Continued)

S105050706

Hydro-Carbons were found/KW

D19
East
1/8-1/4
0.162 mi.
856 ft.

EXXON MOBIL OIL CORP
3399 ADAMS ST
RIVERSIDE, CA 92504

Site 5 of 8 in cluster D

RCRA-LQG 1007200129
CAL000055815

Relative:
Higher

RCRA-LQG:

Actual:
832 ft.

Date form received by agency: 02/28/2002
Facility name: EXXON MOBIL OIL CORP
Facility address: 3399 ADAMS ST
RIVERSIDE, CA 92504
EPA ID: CAL000055815
Mailing address: 12265 W BAYAUD AVE
LAKEWOOD, CO 80228
Contact: WENDY MCCARVILLE
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (303) 986-8011
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

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

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D20
East
1/8-1/4
0.162 mi.
856 ft.

MOBIL #18-HQF
3399 ADAMS ST
RIVERSIDE, CA 92504

Site 6 of 8 in cluster D

HIST CORTESE
CA FID UST
SWEEPS UST

S101589879
N/A

Relative:
Higher

HIST CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303278T

Actual:
832 ft.

CA FID UST:
Facility ID: 33000427
Regulated By: UTNKA
Regulated ID: 00039363
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146872249
Mail To: Not reported
Mailing Address: 3225 GALLOWS RD
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92504
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: Active
Comp Number: 39363
Number: 1
Board Of Equalization: 44-000400
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 001267
SWRCB Tank Id: 33-000-039363-000001
Tank Status: A
Capacity: 10000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 4

Status: Active
Comp Number: 39363
Number: 1
Board Of Equalization: 44-000400
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 001267
SWRCB Tank Id: 33-000-039363-000002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #18-HQF (Continued)

S101589879

Tank Status: A
Capacity: 12000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 39363
Number: 1
Board Of Equalization: 44-000400
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 001267
SWRCB Tank Id: 33-000-039363-000003
Tank Status: A
Capacity: 10000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 39363
Number: 1
Board Of Equalization: 44-000400
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 02-29-88
Owner Tank Id: 001267
SWRCB Tank Id: 33-000-039363-000004
Tank Status: A
Capacity: 1000
Active Date: 11-17-92
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

D21
East
1/8-1/4
0.162 mi.
856 ft.

MOBIL STATION #18-HQF
3399 ADAMS ST
RIVERSIDE, CA 92504

Site 7 of 8 in cluster D

UST U003791000
N/A

Relative:
Higher

UST:
Facility ID: 523
Latitude: 33.9280039
Longitude: -117.417284
Permitting AgencyRIVERSIDE COUNTY

Actual:
832 ft.

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C22
NNE
1/8-1/4
0.164 mi.
864 ft.

8292 BRIARWOOD DR
RIVERSIDE, CA 92504

Site 3 of 3 in cluster C

Relative:
Lower

EDR Historical Cleaners:

Name: ULTIMATE CARPET CLEANERS
Year: 2007
Address: 8292 BRIARWOOD DR

Actual:
820 ft.

EDR US Hist Cleaners

1015099707
N/A

D23
East
1/8-1/4
0.168 mi.
888 ft.

TIRES & WHEELS - TEXACO
8291 INDIANA AVE
RIVERSIDE, CA 92504

Site 8 of 8 in cluster D

Relative:
Higher

HIST UST:

Region: STATE
Facility ID: 00000054423
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0005
Contact Name: RON COTTER
Telephone: 7146870714
Owner Name: R COTTER INC.
Owner Address: 8291 INDIANA AVE.
Owner City,St,Zip: RIVERSIDE, CA 92504

Actual:
831 ft.

HIST UST

U001576415
N/A

Tank Num: 001
Container Num: #1
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1961
Tank Capacity: 00004000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIRES & WHEELS - TEXACO (Continued)

U001576415

Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: #5
Year Installed: 1961
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

E24
ESE
1/8-1/4
0.219 mi.
1155 ft.

QUAID IMPORTS
8330 AUTO DR
RIVERSIDE, CA 92504

Site 1 of 3 in cluster E

CA FID UST **S101590277**
SWEEPS UST **N/A**

Relative:
Higher

CA FID UST:
Facility ID: 33006940
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146889420
Mail To: Not reported
Mailing Address: 8330 INDIANA AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92504
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
849 ft.

SWEEPS UST:
Status: Active
Comp Number: 21740
Number: 1
Board Of Equalization: 44-018084
Referral Date: 11-17-92
Action Date: 11-17-92
Created Date: 04-14-89
Owner Tank Id: 001629
SWRCB Tank Id: 33-000-021740-000001
Tank Status: A
Capacity: 6000
Active Date: 11-17-92
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E25
ESE
1/8-1/4
0.225 mi.
1187 ft.

RIVERSIDE PORSCHE AUDI
3250 ADAMS ST
RIVERSIDE, CA 92504

Site 2 of 3 in cluster E

CA FID UST
SWEEPS UST

S101590238
N/A

Relative:
Higher

CA FID UST:
Facility ID: 33006852
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146871177
Mail To: Not reported
Mailing Address: 3590 CENTRAL AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92504
Contact: Not reported
Contact Phone: Not reported
DUNS Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Actual:
851 ft.

SWEEPS UST:
Status: Active
Comp Number: 2327
Number: 1
Board Of Equalization: 44-017880
Referral Date: 06-25-90
Action Date: 06-25-90
Created Date: 04-21-89
Owner Tank Id: 001209
SWRCB Tank Id: 33-000-002327-000001
Tank Status: A
Capacity: 1000
Active Date: 06-25-90
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 1

26
SSE
1/8-1/4
0.230 mi.
1217 ft.

3205 VANCE ST
RIVERSIDE, CA 92504

EDR US Hist Auto Stat
1015422673
N/A

Relative:
Higher

EDR Historical Auto Stations:
Name: ACCURACY TECH FUEL INJECTION
Year: 2007
Address: 3205 VANCE ST

Actual:
835 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

E27
ESE
1/8-1/4
0.239 mi.
1262 ft.

WALTERS AUTO SALES AND SERVICE
3150 AUTO CENTER DR
RIVERSIDE, CA 92504

RCRA NonGen / NLR
FINDS
HIST CORTESE
LUST

1000595234
CAD983591504

Site 3 of 3 in cluster E

Relative:
Higher

RCRA NonGen / NLR:

Date form received by agency: 07/26/1993

Facility name: WALTERS AUTO SALES AND SERVICE

Facility address: 3150 AUTO CENTER DR

RIVERSIDE, CA 92504

EPA ID: CAD983591504

Contact: CHARLIE WERNER

Contact address: 3150 AUTO CENTER DR

RIVERSIDE, CA 92504

Contact country: US

Contact telephone: (714) 688-3332

Contact email: Not reported

EPA Region: 09

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: WALTER KIENTLE

Owner/operator address: 3150 AUTO CENTER DR

RIVERSIDE, CA 92504

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

Owner/operator address: NOT REQUIRED

NOT REQUIRED, ME 99999

Owner/operator country: Not reported

Owner/operator telephone: (415) 555-1212

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALTERS AUTO SALES AND SERVICE (Continued)

1000595234

Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002850807

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.

HIST CORTESE:

Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303360T

LUST:

Region: STATE
Global Id: T0606500566
Latitude: 33.9297066
Longitude: -117.4113529
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/22/2005
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303360T
LOC Case Number: 9814805
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0606500566
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivcocha.org
Phone Number: 9519558982

Global Id: T0606500566
Contact Type: Regional Board Caseworker
Contact Name: TOM E. MBEKE-EKANEM
Organization Name: SANTA ANA RWQCB (REGION 8)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALTERS AUTO SALES AND SERVICE (Continued)

1000595234

Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: tmbeke-ekanem@waterboards.ca.gov
Phone Number: 9513202007

Status History:

Global Id: T0606500566
Status: Open - Case Begin Date
Status Date: 12/16/1998

Global Id: T0606500566
Status: Open - Verification Monitoring
Status Date: 12/02/2004

Global Id: T0606500566
Status: Completed - Case Closed
Status Date: 11/22/2005

Global Id: T0606500566
Status: Open - Site Assessment
Status Date: 12/21/1998

Global Id: T0606500566
Status: Open - Site Assessment
Status Date: 04/06/1999

Regulatory Activities:

Global Id: T0606500566
Action Type: ENFORCEMENT
Date: 07/25/2005
Action: LOP Case Closure Summary to RB

Global Id: T0606500566
Action Type: ENFORCEMENT
Date: 07/28/2005
Action: Technical Correspondence / Assistance / Other

Global Id: T0606500566
Action Type: ENFORCEMENT
Date: 11/11/2005
Action: Closure/No Further Action Letter - #RCDEH closure

Global Id: T0606500566
Action Type: ENFORCEMENT
Date: 07/27/2005
Action: File review - #RCDEH Upload Site File 2/23/2011

Global Id: T0606500566
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606500566
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALTERS AUTO SALES AND SERVICE (Continued)

1000595234

Global Id:	T0606500566
Action Type:	ENFORCEMENT
Date:	12/08/2000
Action:	Meeting
Global Id:	T0606500566
Action Type:	ENFORCEMENT
Date:	11/10/2005
Action:	File review - #RCDEH Upload Site File 3/21/2011
Global Id:	T0606500566
Action Type:	Other
Date:	01/01/1950
Action:	Leak Stopped

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Preliminary site assessment workplan submitted
Case Number:	083303360T
Local Case Num:	9814805
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	INDIANA
Enf Type:	MRP
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500566
How Stopped Date:	12/16/1998
Enter Date:	3/19/1999
Date Confirmation of Leak Began:	12/21/1998
Date Preliminary Assessment Began:	Not reported
Discover Date:	12/21/1998
Enforcement Date:	Not reported
Close Date:	Not reported
Date Prelim Assessment Workplan Submitted:	4/6/1999
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:	3/19/1999
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9252147
Longitude:	-117.4181899
MTBE Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALTERS AUTO SALES AND SERVICE (Continued)

1000595234

Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	TME
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	9814805
Employee:	Boltinghous-LOP
Site Closed:	Yes
Case Type:	Drinking Water Aquifer affected
Facility Status:	closed/action completed

28
East
1/8-1/4
0.246 mi.
1301 ft.

8237 INDIANA AVE
RIVERSIDE, CA 92504

EDR US Hist Auto Stat **1015648584**
N/A

Relative:
Higher

EDR Historical Auto Stations:

Actual:
837 ft.

Name:	A ONE AUTO CENTER
Year:	2009
Address:	8237 INDIANA AVE
Name:	A ONE AUTO CTR
Year:	2010
Address:	8237 INDIANA AVE
Name:	A ONE AUTO CENTER
Year:	2012
Address:	8237 INDIANA AVE

29
ESE
1/4-1/2
0.299 mi.
1578 ft.

RIVERSIDE AUTO CENTER
8200 AUTO
RIVERDALE, CA 92504

HIST CORTESE **S105025841**
LUST **N/A**

Relative:
Higher

HIST CORTESE:

Actual:
855 ft.

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083302083T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE AUTO CENTER (Continued)

S105025841

LUST:

Region: STATE
Global Id: T0606500273
Latitude: 33.9256839
Longitude: -117.416864
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/21/1994
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083302083T
LOC Case Number: 92517
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0606500273
Contact Type: Regional Board Caseworker
Contact Name: NANCY OLSON-MARTIN
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: nolson-martin@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0606500273
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivcocha.org
Phone Number: 9519558982

Status History:

Global Id: T0606500273
Status: Open - Remediation
Status Date: 08/20/1992

Global Id: T0606500273
Status: Completed - Case Closed
Status Date: 04/21/1994

Global Id: T0606500273
Status: Open - Site Assessment
Status Date: 05/29/1992

Global Id: T0606500273
Status: Open - Site Assessment
Status Date: 06/08/1992

Global Id: T0606500273

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE AUTO CENTER (Continued)

S105025841

Status: Open - Case Begin Date
Status Date: 05/29/1992

Regulatory Activities:

Global Id: T0606500273
Action Type: ENFORCEMENT
Date: 04/20/1994
Action: File review - #RCDEH Upload Site File 8/16/2010

Global Id: T0606500273
Action Type: ENFORCEMENT
Date: 04/21/1994
Action: Closure/No Further Action Letter - #RCDEH0421

Global Id: T0606500273
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606500273
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0606500273
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

Global Id: T0606500273
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

F30
East
1/4-1/2
0.302 mi.
1595 ft.

RIVERSIDE AUTO CENTER
8200 AUTO DRIVE
RIVERSIDE, CA 92504

Site 1 of 2 in cluster F

LUST **S102435897**
N/A

Relative: LUST REG 8:
Higher Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083302083T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

Cross Street: ADAMS
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE AUTO CENTER (Continued)

S102435897

How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500273
How Stopped Date:	5/29/1992
Enter Date:	7/3/1992
Date Confirmation of Leak Began:	5/29/1992
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/29/1992
Enforcement Date:	Not reported
Close Date:	4/21/1994
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	6/8/1992
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	7/3/1992
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9267236
Longitude:	-117.4162449
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	NOM
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	WASTE OIL ALSO

F31
East
1/4-1/2
0.302 mi.
1595 ft.

TIBBETS MGMT INCORPORATED
8200 AUTO DR
RIVERSIDE, CA

Site 2 of 2 in cluster F

Relative:
Higher

Actual:
852 ft.

RCRA-SQG:
Date form received by agency: 03/30/2000
Facility name: SINGH CHEVROLET
Facility address: 8200 AUTO DR
RIVERSIDE, CA 92504
EPA ID: CAD981374291

RCRA-SQG
FINDS
LUST
CA FID UST
HIST UST
SWEEPS UST
HAZNET
EMI

1000153930
CAD981374291

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Contact: MICHAEL WADSTEIN
Contact address: 8200 AUTO DR
RIVERSIDE, CA 92504
Contact country: US
Contact telephone: (909) 688-8111
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: DALIP SINGH SETHI
Owner/operator address: 8200 AUTO DR
RIVERSIDE, CA 92504
Owner/operator country: Not reported
Owner/operator telephone: (909) 688-8111
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 09/01/1996
Facility name: SINGH CHEVROLET

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined

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

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001154722

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.

RIVERSIDE CO. LUST:

Region: RIVERSIDE
Facility ID: 92517
Employee: Boltinghous-LOP
Site Closed: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Case Type: Soil only
Facility Status: closed/action completed

CA FID UST:

Facility ID: 33000332
Regulated By: UTNKA
Regulated ID: 00053502
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146888111
Mail To: Not reported
Mailing Address: 8200 AUTO DR
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92504
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST UST:

Region: STATE
Facility ID: 00000053502
Facility Type: Not reported
Other Type: CHEVROLET DEALERSHIP
Total Tanks: 0006
Contact Name: GEORGE READE
Telephone: 7146888111
Owner Name: DE ANZA CHEVROLET
Owner Address: 8200 AUTO DRIVE
Owner City,St,Zip: RIVERSIDE, CA 92504

Tank Num: 001
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00001000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000001
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 11

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000002
Tank Status: A
Capacity: 1000
Active Date: 04-26-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000003
Tank Status: A
Capacity: 1000
Active Date: 04-26-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000004
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000005
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000006
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000007
Tank Status: A
Capacity: 550
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000008
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: NEW OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000009
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: NEW OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000010
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: NEW OIL
Number Of Tanks: Not reported

Status: Active
Comp Number: 53502
Number: 1
Board Of Equalization: 44-018352
Referral Date: 04-26-90
Action Date: 04-26-90
Created Date: 02-29-88
Owner Tank Id: 000395
SWRCB Tank Id: 33-000-053502-000011
Tank Status: A
Capacity: 500
Active Date: 04-26-90
Tank Use: OIL
STG: W
Content: NEW OIL
Number Of Tanks: Not reported

HAZNET:

Year: 2012
Gepaid: CAD981374291
Contact: RON JENKINS / SERVICE MANAGER
Telephone: 9516888111
Mailing Name: Not reported
Mailing Address: 8200 AUTO DRIVE
Mailing City,St,Zip: RIVERSIDE, CA 925044106

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.221
Facility County: Riverside

Year: 2012
Gepaid: CAD981374291
Contact: RON JENKINS / SERVICE MANAGER
Telephone: 9516888111
Mailing Name: Not reported
Mailing Address: 8200 AUTO DRIVE
Mailing City,St,Zip: RIVERSIDE, CA 925044106
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.3753
Facility County: Riverside

Year: 2012
Gepaid: CAD981374291
Contact: RON JENKINS / SERVICE MANAGER
Telephone: 9516888111
Mailing Name: Not reported
Mailing Address: 8200 AUTO DRIVE
Mailing City,St,Zip: RIVERSIDE, CA 925044106
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.0925
Facility County: Riverside

Year: 2011
Gepaid: CAD981374291
Contact: RON JENKINS / SERVICE MANAGER
Telephone: 9516888111
Mailing Name: Not reported
Mailing Address: 8200 AUTO DRIVE
Mailing City,St,Zip: RIVERSIDE, CA 925044106
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.77145
Facility County: Riverside

Year: 2011
Gepaid: CAD981374291
Contact: RON JENKINS / SERVICE MANAGER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TIBBETS MGMT INCORPORATED (Continued)

1000153930

Telephone: 9516888111
Mailing Name: Not reported
Mailing Address: 8200 AUTO DRIVE
Mailing City,St,Zip: RIVERSIDE, CA 925044106
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.102
Facility County: Riverside

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

EMI:

Year: 1987
County Code: 33
Air Basin: SC
Facility ID: 4661
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1990
County Code: 33
Air Basin: SC
Facility ID: 4661
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G32
East
1/4-1/2
0.485 mi.
2561 ft.

RIV., CITY OF - TRAINING TOWER
3205 SAINT LAWRENCE ST
RIVERSIDE, CA 92504

HIST CORTESE
LUST

S102435890
N/A

Site 1 of 2 in cluster G

Relative:
Higher

HIST CORTESE:

Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083301268T

Actual:
859 ft.

LUST:

Region: STATE
Global Id: T0606500141
Latitude: 33.9227014
Longitude: -117.4103754
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/15/1989
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083301268T
LOC Case Number: 89345
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0606500141
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivcocha.org
Phone Number: 9519558982

Global Id: T0606500141
Contact Type: Regional Board Caseworker
Contact Name: PATRICIA HANNON
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: phannon@waterboards.ca.gov
Phone Number: Not reported

Status History:

Global Id: T0606500141
Status: Open - Remediation
Status Date: 06/22/1989

Global Id: T0606500141
Status: Completed - Case Closed
Status Date: 09/15/1989

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIV., CITY OF - TRAINING TOWER (Continued)

S102435890

Global Id: T0606500141
Status: Open - Site Assessment
Status Date: 02/16/1989

Global Id: T0606500141
Status: Open - Site Assessment
Status Date: 05/02/1989

Global Id: T0606500141
Status: Open - Case Begin Date
Status Date: 02/16/1989

Regulatory Activities:

Global Id: T0606500141
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0606500141
Action Type: REMEDIATION
Date: 01/01/1950
Action: Excavation

Global Id: T0606500141
Action Type: ENFORCEMENT
Date: 09/14/1989
Action: File review - #RCDEH Upload Site File 9/14/2010

Global Id: T0606500141
Action Type: ENFORCEMENT
Date: 09/15/1989
Action: Closure/No Further Action Letter - #RCDEH0915

Global Id: T0606500141
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606500141
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

LUST REG 8:

Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083301268T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: LINCOLN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIV., CITY OF - TRAINING TOWER (Continued)

S102435890

Enf Type:	CLOS
Funding:	Federal Funds
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500141
How Stopped Date:	2/16/1989
Enter Date:	9/7/1989
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	8/1/1989
Discover Date:	2/16/1989
Enforcement Date:	1/1/1965
Close Date:	9/15/1989
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	9/12/1989
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/7/1989
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	33.9256107
Longitude:	-117.4126467
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

G33 CITY OF TRARNING TOWER
East 3205 ST. LAWRENCE
1/2-1 RIVERSIDE, CA 90040
0.523 mi.
2764 ft. Site 2 of 2 in cluster G

Notify 65 S100179054
N/A

Relative:	Notify 65:
Higher	Date Reported: Not reported
	Staff Initials: Not reported
Actual:	Board File Number: Not reported
861 ft.	Facility Type: Not reported
	Discharge Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF TRARNING TOWER (Continued)

S100179054

Incident Description: 90040

34
ESE
1/2-1
0.718 mi.
3792 ft.

RIVERSIDE PUBLIC UTILITIES DEPARTMENT
8095 LINCOLN AVENUE
RIVERSIDE, CA 92504

LUST
CHMIRS
ENVIROSTOR

S100202175
N/A

Relative:
Higher

LUST:

Actual:
885 ft.

Region: STATE
Global Id: T0606500494
Latitude: 33.9228558
Longitude: -117.4103856
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/01/1998
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303018T
LOC Case Number: 970620
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0606500494
Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivcocha.org
Phone Number: 9519558982

Global Id: T0606500494
Contact Type: Regional Board Caseworker
Contact Name: CARL BERNHARDT
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: cbernhardt@waterboards.ca.gov
Phone Number: 9517824495

Status History:

Global Id: T0606500494
Status: Open - Case Begin Date
Status Date: 05/05/1997

Global Id: T0606500494
Status: Open - Remediation
Status Date: 05/05/1997

Global Id: T0606500494
Status: Completed - Case Closed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE PUBLIC UTILITIES DEPARTMENT (Continued)

S100202175

Status Date: 04/01/1998

Global Id: T0606500494
Status: Open - Site Assessment
Status Date: 06/11/1997

Global Id: T0606500494
Status: Open - Site Assessment
Status Date: 06/12/1997

Regulatory Activities:

Global Id: T0606500494
Action Type: ENFORCEMENT
Date: 04/01/1998
Action: Closure/No Further Action Letter - #Riv Co Closure

Global Id: T0606500494
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0606500494
Action Type: Other
Date: 01/01/1950
Action: Leak Discovery

Global Id: T0606500494
Action Type: ENFORCEMENT
Date: 03/31/1998
Action: File review - #RCDEH Upload Site File 9/8/2010

Global Id: T0606500494
Action Type: Other
Date: 01/01/1950
Action: Leak Stopped

RIVERSIDE CO. LUST:

Region: RIVERSIDE
Facility ID: 970620
Employee: Boltinghous-LOP
Site Closed: Yes
Case Type: Soil only
Facility Status: closed/action completed

CHMIRS:

OES Incident Number: 9013249
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Incident Date: 01-OCT-90
Date Completed: 01-OCT-90
Property Use: 600
Agency Id Number: 33075
Agency Incident Number: 9013504
Time Notified: 836

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE PUBLIC UTILITIES DEPARTMENT (Continued)

S100202175

Time Completed: 1042
Surrounding Area: 600
Estimated Temperature: 72
Property Management: C
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: N
Resp Agncy Personel # Of Decontaminated: 0
Responding Agency Personel # Of Injuries: 0
Responding Agency Personel # Of Fatalities: 0
Others Number Of Decontaminated: 0
Others Number Of Injuries: 0
Others Number Of Fatalities: 0
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: CAPT. LARRY ROOP
Report Date: 01-OCT-90
Comments: Y
Facility Telephone: 714 782-5331
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Not reported
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 88-92
Agency: Not reported
Incident Date: Not reported
Admin Agency: Not reported
Amount: Not reported
Contained: Not reported
Site Type: Not reported
E Date: 10-JUN-91
Substance: Not reported
Quantity Released: Not reported
BBLS: Not reported
Cups: Not reported
CUFT: Not reported
Gallons: Not reported
Grams: Not reported
Pounds: Not reported
Liters: Not reported
Ounces: Not reported
Pints: Not reported
Quarts: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE PUBLIC UTILITIES DEPARTMENT (Continued)

S100202175

Sheen: Not reported
Tons: Not reported
Unknown: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
Description: Not reported

ENVIROSTOR:

Facility ID: 33490080
Status: Refer: Other Agency
Status Date: 08/12/1988
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 61
Senate: 31
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.9225
Longitude: -117.4102
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES
Polychlorinated biphenyls (PCBs)
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040502114
Alias Type: EPA Identification Number
Alias Name: 110002643916
Alias Type: EPA (FRS #)
Alias Name: 33490080
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/12/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/25/1994
Comments: Database verification project confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RIVERSIDE PUBLIC UTILITIES DEPARTMENT (Continued)

S100202175

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/12/1988
Comments: SITE SCREENING DONE NFA UNDER SITE MITIGATION; RCRA REGULAT- ED FACILITY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/12/1984
Comments: SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

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

35
East
1/2-1
0.787 mi.
4154 ft.

PROGRESSIVE CUSTOM WHEELS, INC.
2950 JEFFERSON STREET
RIVERSIDE, CA 92504

ENVIROSTOR S110494210
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
874 ft.

Facility ID: 71002978
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 61
Senate: 31
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.92533
Longitude: -117.4071
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD982033292
Alias Type: EPA Identification Number
Alias Name: 71002978

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PROGRESSIVE CUSTOM WHEELS, INC. (Continued)

S110494210

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/05/1999
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: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIVERSIDE	1010727972	RIVERSIDE NATIONAL CEMETERY	7		FINDS
RIVERSIDE	S112935066	RIVERSIDE HOUSING DEVELOPMENT CORP	8845 & 8851 INDIANA AVE	92503	HAZNET
RIVERSIDE	S112907656	RIVERSIDE HOUSING DEVELOPMENT CORP	8893 & 8911 INDIANA AVE	92503	HAZNET
RIVERSIDE	1000261432	ENVIRONMENTAL ENHANCEMENT SYSTEMS	62 AVE & 60TH AVE ON ST HWY 111		RCRA-SQG, FINDS
RIVERSIDE	1006306620	UNIV CAL RIVERSIDE	CENTRAL STEAM PLANT-UCR		FINDS
RIVERSIDE	S112969499	CITY OF RIVERSIDE	SE CO MAGNOLIA AVE & VAN BURAN	92503	HAZNET
RIVERSIDE	1011306676	UNIV. CALIFORNIA, RIVERSIDE	DEPARTMENT OF ENOTMOLOGY		FINDS
RIVERSIDE	1012268009	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1012267854	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1012267798	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1012267737	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1012267609	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1012267542	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1012267533	RIVERSIDE CO. STORM WATER SYSTEM #	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	1010014191	RIVERSIDE, COUNTY OF/MS4	FLOOD CNTRL & WATER CON DIST		FINDS
RIVERSIDE	S111213843	WEST RIVERSIDE LANDFILL - CLOSED	HALL AVE & HWY 60	92503	ENF
RIVERSIDE	S100179430	HUMPHRIES, CLARENCE, REAL PROP	11900 MAGNOLIA AVE		HIST CORTESE, LUST, Notify 65
RIVERSIDE	1003878498	PACIFIC AIRMOTIVE	RIVERSIDE MUNICIPAL ARPT	92504	CERC-NFRAP
RIVERSIDE	1014676343	CITY OF RIVERSIDE (TEQUESQUITE LAN	5900 TEQUESQUITE AVE		FINDS
RIVERSIDE	1014674066	RIVERSIDE METRO CENTER	UNKNOWN		FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 04/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/11/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/29/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 09/08/2014
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/11/2014
Date Data Arrived at EDR: 03/13/2014
Date Made Active in Reports: 04/09/2014
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/13/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 06/05/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2014	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 06/05/2014
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/22/2014
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/26/2014	Source: Department of the Navy
Date Data Arrived at EDR: 02/28/2014	Telephone: 843-820-7326
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 05/19/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 06/06/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/19/2014	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 05/20/2014	Telephone: 916-341-6320
Date Made Active in Reports: 05/22/2014	Last EDR Contact: 05/20/2014
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: Varies

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

LUST REG 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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 05/01/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

LUST REG 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 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 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 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 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/01/2014

Date Data Arrived at EDR: 05/01/2014

Date Made Active in Reports: 05/13/2014

Number of Days to Update: 12

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 05/01/2014

Next Scheduled EDR Contact: 06/30/2014

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003

Date Data Arrived at EDR: 04/07/2003

Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006

Date Data Arrived at EDR: 05/18/2006

Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2004
 Date Data Arrived at EDR: 11/18/2004
 Date Made Active in Reports: 01/04/2005
 Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
 Telephone: 213-576-6600
 Last EDR Contact: 07/01/2011
 Next Scheduled EDR Contact: 10/17/2011
 Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
 Date Data Arrived at EDR: 04/05/2005
 Date Made Active in Reports: 04/21/2005
 Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
 Telephone: 916-464-3291
 Last EDR Contact: 09/12/2011
 Next Scheduled EDR Contact: 12/26/2011
 Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
 Date Data Arrived at EDR: 05/25/2005
 Date Made Active in Reports: 06/16/2005
 Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
 Telephone: 619-241-6583
 Last EDR Contact: 08/15/2011
 Next Scheduled EDR Contact: 11/28/2011
 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
 Date Data Arrived at EDR: 09/07/2004
 Date Made Active in Reports: 10/12/2004
 Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
 Telephone: 530-542-5574
 Last EDR Contact: 08/15/2011
 Next Scheduled EDR Contact: 11/28/2011
 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
 Date Data Arrived at EDR: 11/29/2004
 Date Made Active in Reports: 01/04/2005
 Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
 Telephone: 760-346-7491
 Last EDR Contact: 08/01/2011
 Next Scheduled EDR Contact: 11/14/2011
 Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
 Date Data Arrived at EDR: 04/03/2008
 Date Made Active in Reports: 04/14/2008
 Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
 Telephone: 951-782-3298
 Last EDR Contact: 09/12/2011
 Next Scheduled EDR Contact: 12/26/2011
 Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 62

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/21/2014
Next Scheduled EDR Contact: 05/12/2014
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/21/2013
Date Data Arrived at EDR: 11/26/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/06/2013	Source: EPA Region 10
Date Data Arrived at EDR: 11/07/2013	Telephone: 206-553-2857
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/13/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-7439
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/17/2014	Source: SWRCB
Date Data Arrived at EDR: 03/19/2014	Telephone: 916-341-5851
Date Made Active in Reports: 04/25/2014	Last EDR Contact: 03/19/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 04/07/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 05/02/2014
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/21/2013	Source: EPA Region 4
Date Data Arrived at EDR: 11/26/2013	Telephone: 404-562-9424
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 90	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/13/2014	Source: EPA Region 5
Date Data Arrived at EDR: 02/14/2014	Telephone: 312-886-6136
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/29/2014	Source: EPA Region 6
Date Data Arrived at EDR: 01/29/2014	Telephone: 214-665-7591
Date Made Active in Reports: 03/12/2014	Last EDR Contact: 01/27/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/12/2014
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 02/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 02/21/2014	Telephone: 913-551-7003
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 92	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 9
Date Data Arrived at EDR: 07/30/2013	Telephone: 415-972-3368
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 04/28/2014
Number of Days to Update: 129	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010

Date Data Arrived at EDR: 02/16/2010

Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797

Last EDR Contact: 04/15/2014

Next Scheduled EDR Contact: 07/28/2014

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: 09/17/2013

Date Data Arrived at EDR: 10/01/2013

Date Made Active in Reports: 12/06/2013

Number of Days to Update: 66

Source: EPA, Region 1

Telephone: 617-918-1102

Last EDR Contact: 04/01/2014

Next Scheduled EDR Contact: 07/14/2014

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

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: 05/05/2014

Date Data Arrived at EDR: 05/06/2014

Date Made Active in Reports: 05/19/2014

Number of Days to Update: 13

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 06/06/2014

Next Scheduled EDR Contact: 08/18/2014

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: 03/20/2014

Date Data Arrived at EDR: 03/20/2014

Date Made Active in Reports: 04/09/2014

Number of Days to Update: 20

Source: Environmental Protection Agency

Telephone: 202-566-2777

Last EDR Contact: 03/20/2014

Next Scheduled EDR Contact: 07/07/2014

Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
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: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 02/20/2014
Date Made Active in Reports: 03/27/2014
Number of Days to Update: 35

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
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: 05/02/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/04/2013	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/10/2013	Telephone: 202-307-1000
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 06/04/2014
Number of Days to Update: 65	Next Scheduled EDR Contact: 09/15/2014
	Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/05/2014	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/06/2014	Telephone: 916-323-3400
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 06/06/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2014
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/28/2014	Telephone: 916-255-6504
Date Made Active in Reports: 03/20/2014	Last EDR Contact: 04/10/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/28/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
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

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

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/10/2014
Date Data Arrived at EDR: 03/11/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 30

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/03/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 52

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/01/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/04/2014
Date Data Arrived at EDR: 04/29/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 10

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/29/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/01/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 12

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 05/01/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 05/01/2014

Date Data Arrived at EDR: 05/01/2014

Date Made Active in Reports: 05/13/2014

Number of Days to Update: 12

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 05/01/2014

Next Scheduled EDR Contact: 06/30/2014

Data Release Frequency: 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

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2014

Date Data Arrived at EDR: 03/13/2014

Date Made Active in Reports: 04/09/2014

Number of Days to Update: 27

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 03/13/2014

Next Scheduled EDR Contact: 07/14/2014

Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012

Date Data Arrived at EDR: 08/07/2012

Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety

Telephone: 202-366-4595

Last EDR Contact: 05/06/2014

Next Scheduled EDR Contact: 08/18/2014

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 11/10/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747

Last EDR Contact: 04/18/2014

Next Scheduled EDR Contact: 07/28/2014

Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/24/2014
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 31

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/11/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2014
Next Scheduled EDR Contact: 06/09/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/06/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
 Date Data Arrived at EDR: 09/29/2010
 Date Made Active in Reports: 12/02/2010
 Number of Days to Update: 64

Source: EPA
 Telephone: 202-260-5521
 Last EDR Contact: 03/28/2014
 Next Scheduled EDR Contact: 07/07/2014
 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
 Date Data Arrived at EDR: 04/16/2009
 Date Made Active in Reports: 05/11/2009
 Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
 Telephone: 202-566-1667
 Last EDR Contact: 05/22/2014
 Next Scheduled EDR Contact: 09/08/2014
 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
 Date Data Arrived at EDR: 04/16/2009
 Date Made Active in Reports: 05/11/2009
 Number of Days to Update: 25

Source: EPA
 Telephone: 202-566-1667
 Last EDR Contact: 05/22/2014
 Next Scheduled EDR Contact: 09/08/2014
 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
 Date Data Arrived at EDR: 03/01/2007
 Date Made Active in Reports: 04/10/2007
 Number of Days to Update: 40

Source: Environmental Protection Agency
 Telephone: 202-564-2501
 Last EDR Contact: 12/17/2007
 Next Scheduled EDR Contact: 03/17/2008
 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
 Date Data Arrived at EDR: 03/01/2007
 Date Made Active in Reports: 04/10/2007
 Number of Days to Update: 40

Source: Environmental Protection Agency
 Telephone: 202-564-2501
 Last EDR Contact: 12/17/2008
 Next Scheduled EDR Contact: 03/17/2008
 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/29/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/09/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013
Date Data Arrived at EDR: 07/17/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 107

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/05/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/09/2014
Date Data Arrived at EDR: 01/10/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/18/2013
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/12/2014
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/14/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
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

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/20/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 01/15/2014	Source: Department of Conservation
Date Data Arrived at EDR: 03/18/2014	Telephone: 916-445-2408
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 03/18/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/31/2014	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 04/02/2014	Telephone: 916-323-3400
Date Made Active in Reports: 04/29/2014	Last EDR Contact: 04/01/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 04/07/2014
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/10/2013	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/11/2013	Telephone: 916-327-4498
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 03/10/2014
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/23/2014
	Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/31/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/14/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 19

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/25/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/18/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/11/2011
 Date Data Arrived at EDR: 05/18/2012
 Date Made Active in Reports: 05/25/2012
 Number of Days to Update: 7

Source: Environmental Protection Agency
 Telephone: 703-308-4044
 Last EDR Contact: 05/16/2014
 Next Scheduled EDR Contact: 08/25/2014
 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
 Date Data Arrived at EDR: 02/14/2013
 Date Made Active in Reports: 02/27/2013
 Number of Days to Update: 13

Source: Environmental Protection Agency
 Telephone: 703-603-8787
 Last EDR Contact: 04/04/2014
 Next Scheduled EDR Contact: 07/21/2014
 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust.

Date of Government Version: 04/05/2001
 Date Data Arrived at EDR: 10/27/2010
 Date Made Active in Reports: 12/02/2010
 Number of Days to Update: 36

Source: American Journal of Public Health
 Telephone: 703-305-6451
 Last EDR Contact: 12/02/2009
 Next Scheduled EDR Contact: N/A
 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
 Date Data Arrived at EDR: 07/03/2013
 Date Made Active in Reports: 09/13/2013
 Number of Days to Update: 72

Source: EPA
 Telephone: 202-564-6023
 Last EDR Contact: 04/04/2014
 Next Scheduled EDR Contact: 07/14/2014
 Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
 Date Data Arrived at EDR: 06/20/2007
 Date Made Active in Reports: 06/29/2007
 Number of Days to Update: 9

Source: State Water Resources Control Board
 Telephone: 916-341-5227
 Last EDR Contact: 05/22/2014
 Next Scheduled EDR Contact: 09/08/2014
 Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 02/06/2006
 Date Made Active in Reports: 01/11/2007
 Number of Days to Update: 339

Source: U.S. Geological Survey
 Telephone: 888-275-8747
 Last EDR Contact: 04/18/2014
 Next Scheduled EDR Contact: 07/28/2014
 Data Release Frequency: N/A

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/25/2014
 Date Data Arrived at EDR: 02/27/2014
 Date Made Active in Reports: 04/09/2014
 Number of Days to Update: 41

Source: Environmental Protection Agency
 Telephone: 202-566-1917
 Last EDR Contact: 05/16/2014
 Next Scheduled EDR Contact: 09/01/2014
 Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
 Date Data Arrived at EDR: 10/19/2011
 Date Made Active in Reports: 01/10/2012
 Number of Days to Update: 83

Source: Environmental Protection Agency
 Telephone: 202-566-0517
 Last EDR Contact: 05/02/2014
 Next Scheduled EDR Contact: 08/11/2014
 Data Release Frequency: Varies

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: 08/17/2010
 Date Data Arrived at EDR: 01/03/2011
 Date Made Active in Reports: 03/21/2011
 Number of Days to Update: 77

Source: Environmental Protection Agency
 Telephone: N/A
 Last EDR Contact: 03/11/2014
 Next Scheduled EDR Contact: 06/23/2014
 Data Release Frequency: Varies

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/21/2014
 Date Data Arrived at EDR: 03/12/2014
 Date Made Active in Reports: 04/14/2014
 Number of Days to Update: 33

Source: Department of Public Health
 Telephone: 916-558-1784
 Last EDR Contact: 03/10/2014
 Next Scheduled EDR Contact: 06/23/2014
 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
 Date Data Arrived at EDR: 08/07/2009
 Date Made Active in Reports: 10/22/2009
 Number of Days to Update: 76

Source: Department of Energy
 Telephone: 202-586-8719
 Last EDR Contact: 04/18/2014
 Next Scheduled EDR Contact: 07/28/2014
 Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
 Date Data Arrived at EDR: 11/06/2013
 Date Made Active in Reports: 12/06/2013
 Number of Days to Update: 30

Source: EPA
 Telephone: 202-564-5962
 Last EDR Contact: 03/31/2014
 Next Scheduled EDR Contact: 07/14/2014
 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Annually

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/14/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/15/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/19/2014
Date Data Arrived at EDR: 05/20/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 2

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/19/2014
Next Scheduled EDR Contact: 09/01/2014
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/16/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

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 US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
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 US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
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 US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A
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:

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: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/09/2014
Number of Days to Update: 15

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/12/2014
Number of Days to Update: 18

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List Cupa Facility List

Date of Government Version: 03/24/2014
Date Data Arrived at EDR: 03/24/2014
Date Made Active in Reports: 04/30/2014
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 26

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 12/05/2013
Date Data Arrived at EDR: 12/05/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 53

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 21

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List Cupa Facility list

Date of Government Version: 05/05/2014
Date Data Arrived at EDR: 05/06/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 7

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 02/20/2014
Date Data Arrived at EDR: 02/21/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 27

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 16

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/14/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List CUPA facility list.

Date of Government Version: 03/20/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 38

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 04/28/2014
Date Data Arrived at EDR: 04/30/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 21

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 04/22/2014
Date Data Arrived at EDR: 04/24/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 19

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/06/2013
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 48

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/02/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/21/2014
Date Data Arrived at EDR: 04/22/2014
Date Made Active in Reports: 05/19/2014
Number of Days to Update: 27

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/22/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/07/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/25/2014
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/23/2014
Date Data Arrived at EDR: 04/25/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 27

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/21/2014
Next Scheduled EDR Contact: 08/04/2014
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 02/25/2014
Date Data Arrived at EDR: 02/27/2014
Date Made Active in Reports: 04/14/2014
Number of Days to Update: 46

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/13/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/14/2014
Next Scheduled EDR Contact: 07/28/2014
Data Release Frequency: Semi-Annually

MADERA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 03/26/2014
Date Data Arrived at EDR: 03/27/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 33

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/02/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/03/2014
Date Data Arrived at EDR: 01/09/2014
Date Made Active in Reports: 02/12/2014
Number of Days to Update: 34

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/21/2014
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/10/2014
Date Data Arrived at EDR: 03/11/2014
Date Made Active in Reports: 04/10/2014
Number of Days to Update: 30

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/04/2014
Date Made Active in Reports: 04/01/2014
Number of Days to Update: 28

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/18/2014
Date Data Arrived at EDR: 03/20/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 36

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/30/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/04/2013
Number of Days to Update: 27

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/13/2014
Next Scheduled EDR Contact: 08/18/2014
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/28/2014
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/15/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 13

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2014
Date Data Arrived at EDR: 05/14/2014
Date Made Active in Reports: 05/21/2014
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2014

Date Data Arrived at EDR: 03/11/2014

Date Made Active in Reports: 04/10/2014

Number of Days to Update: 30

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 03/10/2014

Next Scheduled EDR Contact: 06/23/2014

Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/15/2014

Date Data Arrived at EDR: 04/17/2014

Date Made Active in Reports: 04/24/2014

Number of Days to Update: 7

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/02/2014

Next Scheduled EDR Contact: 07/07/2014

Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/15/2014

Date Data Arrived at EDR: 04/17/2014

Date Made Active in Reports: 05/09/2014

Number of Days to Update: 22

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 03/24/2014

Next Scheduled EDR Contact: 07/07/2014

Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/06/2014

Date Data Arrived at EDR: 04/08/2014

Date Made Active in Reports: 04/29/2014

Number of Days to Update: 21

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/04/2014

Next Scheduled EDR Contact: 07/21/2014

Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/06/2014

Date Data Arrived at EDR: 04/08/2014

Date Made Active in Reports: 04/29/2014

Number of Days to Update: 21

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 04/04/2014

Next Scheduled EDR Contact: 07/21/2014

Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/18/2014
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 04/25/2014
Number of Days to Update: 35

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2013
Date Data Arrived at EDR: 11/19/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 42

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
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: 06/04/2014
Next Scheduled EDR Contact: 09/22/2014
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
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: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/09/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 04/10/2014
Date Data Arrived at EDR: 04/11/2014
Date Made Active in Reports: 04/29/2014
Number of Days to Update: 18

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 04/07/2014
Next Scheduled EDR Contact: 07/07/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/26/2014
Date Made Active in Reports: 03/26/2014
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/03/2014
Date Data Arrived at EDR: 04/04/2014
Date Made Active in Reports: 05/01/2014
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

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: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2014
Date Data Arrived at EDR: 03/06/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/02/2014
Next Scheduled EDR Contact: 09/15/2014
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/12/2014
Date Data Arrived at EDR: 05/19/2014
Date Made Active in Reports: 05/28/2014
Number of Days to Update: 9

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/12/2014
Next Scheduled EDR Contact: 08/25/2014
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 02/24/2014
Date Data Arrived at EDR: 02/25/2014
Date Made Active in Reports: 03/20/2014
Number of Days to Update: 23

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/27/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/17/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2014
Next Scheduled EDR Contact: 09/08/2014
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 04/25/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/25/2014
Date Data Arrived at EDR: 04/01/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 34

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/17/2014
Next Scheduled EDR Contact: 06/30/2014
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/02/2014
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 40

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 04/03/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 25

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/31/2014
Next Scheduled EDR Contact: 07/14/2014
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/24/2014
Date Data Arrived at EDR: 03/24/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/24/2014
Next Scheduled EDR Contact: 06/23/2014
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/27/2014
Date Data Arrived at EDR: 01/28/2014
Date Made Active in Reports: 03/17/2014
Number of Days to Update: 48

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/28/2014
Next Scheduled EDR Contact: 08/11/2014
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/28/2014	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/20/2014	Telephone: 805-654-2813
Date Made Active in Reports: 05/27/2014	Last EDR Contact: 05/16/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 04/04/2014
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/21/2014
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 05/16/2014
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/01/2014
	Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/28/2014	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/30/2014	Telephone: 805-654-2813
Date Made Active in Reports: 05/19/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/11/2014
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 03/06/2014	Source: Environmental Health Division
Date Data Arrived at EDR: 03/21/2014	Telephone: 805-654-2813
Date Made Active in Reports: 04/28/2014	Last EDR Contact: 03/17/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/30/2014
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 04/01/2014	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/08/2014	Telephone: 530-666-8646
Date Made Active in Reports: 05/05/2014	Last EDR Contact: 03/24/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/07/2014
	Data Release Frequency: Annually

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/11/2014

Date Data Arrived at EDR: 02/13/2014

Date Made Active in Reports: 03/17/2014

Number of Days to Update: 32

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 05/19/2014

Next Scheduled EDR Contact: 08/18/2014

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 05/23/2014

Next Scheduled EDR Contact: 09/01/2014

Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011

Date Data Arrived at EDR: 07/19/2012

Date Made Active in Reports: 08/28/2012

Number of Days to Update: 40

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/18/2014

Next Scheduled EDR Contact: 07/28/2014

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/28/2014

Date Data Arrived at EDR: 03/12/2014

Date Made Active in Reports: 04/29/2014

Number of Days to Update: 48

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 05/07/2014

Next Scheduled EDR Contact: 08/18/2014

Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 07/24/2013

Date Made Active in Reports: 08/19/2013

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 04/21/2014

Next Scheduled EDR Contact: 08/04/2014

Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 06/21/2013

Date Made Active in Reports: 08/05/2013

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 05/27/2014

Next Scheduled EDR Contact: 09/08/2014

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012

Date Data Arrived at EDR: 08/09/2013

Date Made Active in Reports: 09/27/2013

Number of Days to Update: 49

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/17/2014

Next Scheduled EDR Contact: 06/30/2014

Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RIVERSIDE FREE METHODIST CHURCH
8431 DIANA AVENUE
RIVERSIDE, CA 92504

TARGET PROPERTY COORDINATES

Latitude (North):	33.9269 - 33° 55' 36.84"
Longitude (West):	117.4224 - 117° 25' 20.64"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	460957.9
UTM Y (Meters):	3753937.0
Elevation:	823 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-H4 RIVERSIDE WEST, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

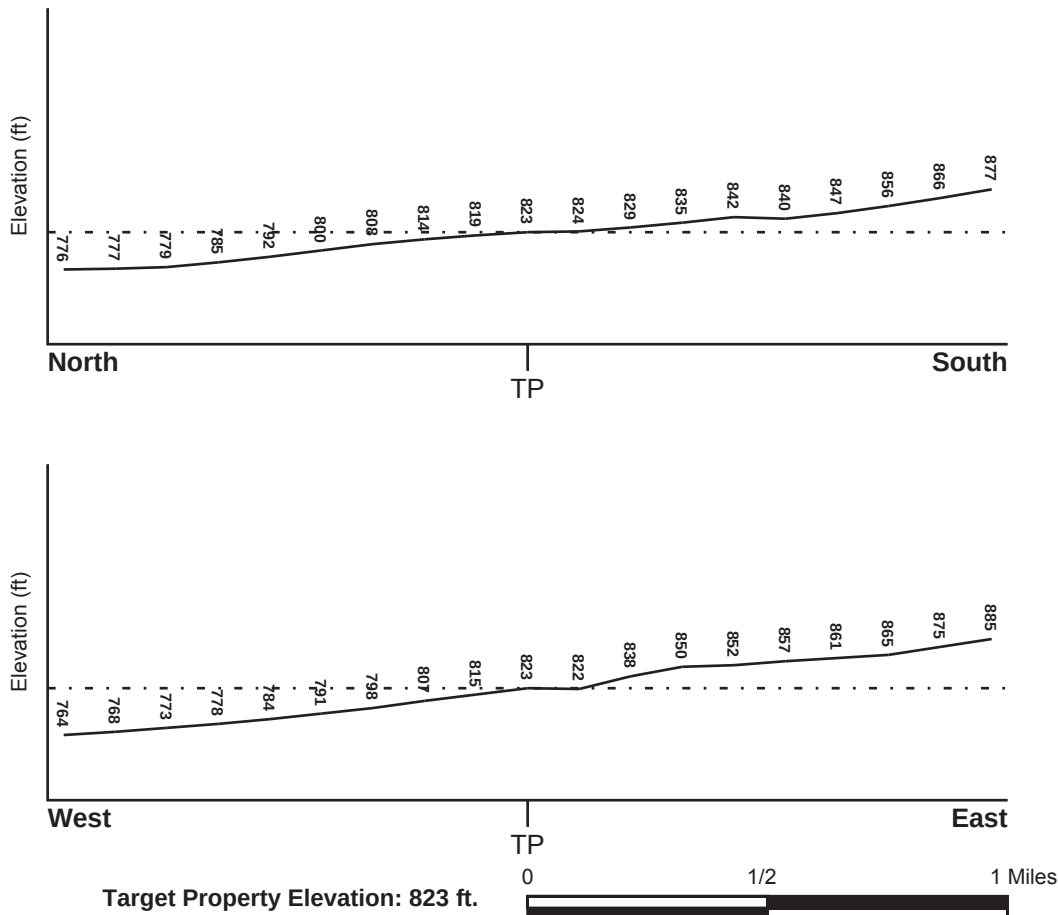
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
RIVERSIDE, CA

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06065C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
NOT AVAILABLE

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

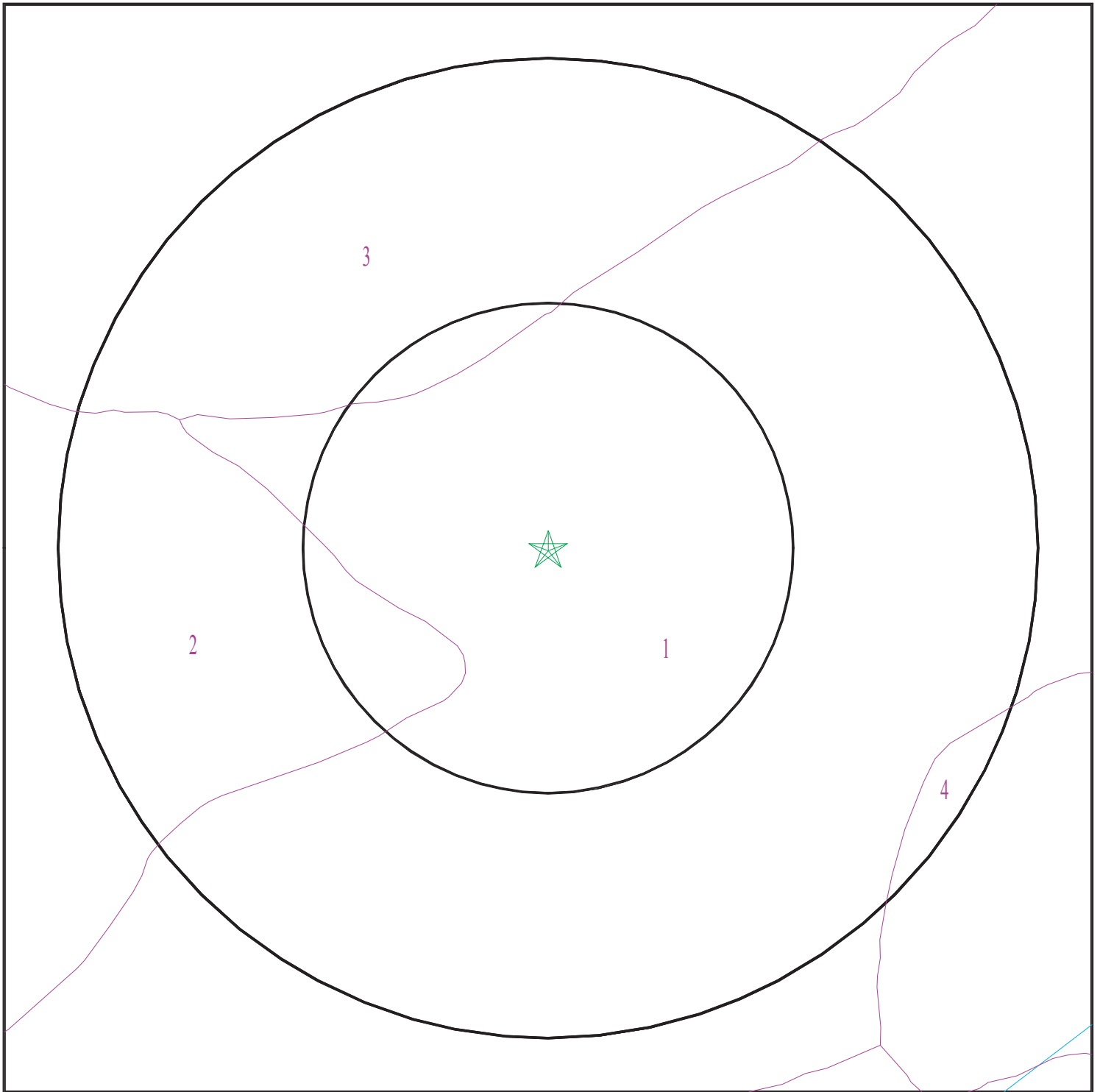
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3967815.2s



- ★ Target Property
- ∕ SSURGO Soil
- ∕ Water

0 1/16 1/8 1/4 Miles



SITE NAME: Riverside Free Methodist Church
 ADDRESS: 8431 Diana Avenue
 Riverside, CA 92504
 LAT/LONG: 33.92697117, -117.4224

CLIENT: Converse Consult Inland Empire
 CONTACT: Steve Weatherton
 INQUIRY #: 3967815.2s
 DATE: June 09, 2014 8:07 pm

P13-0685-0852, Exhibits 5, 6, 7 - Draft EIR Appendices A-C and E-G

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: ARLINGTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
2	11 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	50 inches	59 inches	cemented	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	59 inches	70 inches	coarse sandy 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: 141 Min: 42	Max: 7.3 Min: 6.6

Soil Map ID: 2

Soil Component Name: HANFORD

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	40 inches	59 inches	stratified loamy sand to coarse sandy 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: 141 Min: 42	Max: 7.8 Min: 5.6

Soil Map ID: 3

Soil Component Name: HANFORD

Soil Surface Texture: coarse 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: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	40 inches	59 inches	stratified loamy sand to coarse sandy 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: 141 Min: 42	Max: 7.8 Min: 5.6

Soil Map ID: 4

Soil Component Name: HANFORD

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	40 inches	59 inches	stratified loamy sand to coarse sandy 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: 141 Min: 42	Max: 7.8 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

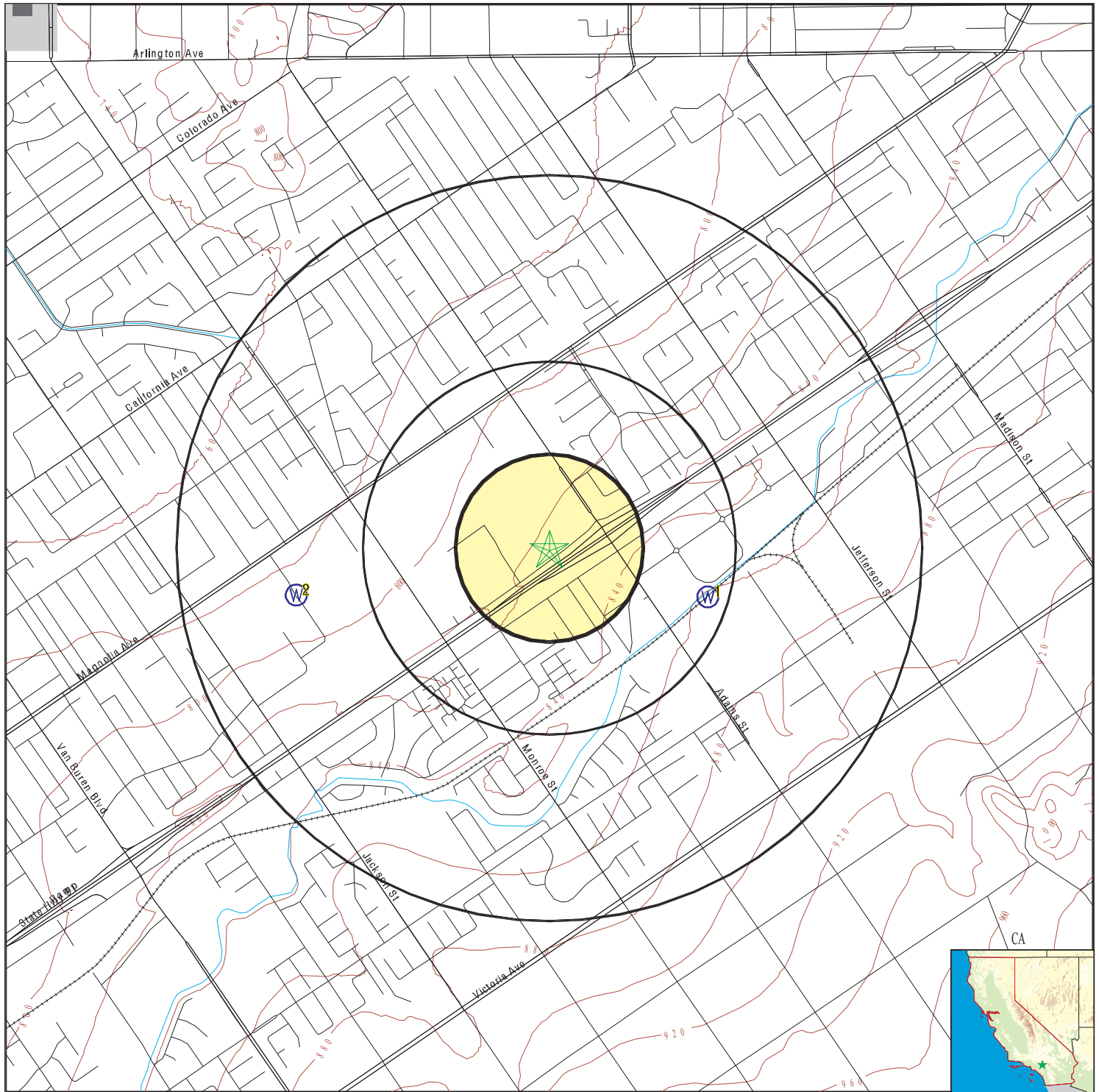
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADW50000003781	1/4 - 1/2 Mile ESE
2	CADW50000003782	1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 3967815.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Riverside Free Methodist Church
 ADDRESS: 8431 Diana Avenue
 Riverside, CA 92504
 LAT/LONG: 33.926971 -117.4224

CLIENT: Converse Consult Inland Empire
 CONTACT: Steve Weatherston
 INQUIRY #: 3967815.2s
 DATE: June 09, 2014 8:07 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
ESE
1/4 - 1/2 Mile
Higher

CA WELLS CADW50000003781

Latitude :	33.925		
Longitude :	117.415		
Site code:	339250N1174150W001	Casgem sta:	03S05W09E001S
Local well:	Lincoln Heights	Casgem s 1:	Observation
County id:	33		
Basin cd:	8-2.03	Basin desc:	Riverside-Arlington
Org unit n:	Southern Region Office	Site id:	CADW50000003781

2
West
1/2 - 1 Mile
Lower

CA WELLS CADW50000003782

Latitude :	33.925072		
Longitude :	117.434217		
Site code:	339251N1174342W001	Casgem sta:	03S05W08E002S
Local well:	Sherman High	Casgem s 1:	Observation
County id:	33		
Basin cd:	8-2.03	Basin desc:	Riverside-Arlington
Org unit n:	Southern Region Office	Site id:	CADW50000003782

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92504	20	1

Federal EPA Radon Zone for RIVERSIDE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92504

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^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 Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX F

NOISE IMPACT ANALYSIS

**RIVERSIDE FREE METHODIST CHURCH DEMOLITION PROJECT
CITY OF RIVERSIDE
RIVERSIDE COUNTY, CALIFORNIA**

NOISE IMPACT ANALYSIS

RIVERSIDE FREE METHODIST CHURCH DEMOLITION PROJECT CITY OF RIVERSIDE RIVERSIDE COUNTY, CALIFORNIA

Prepared for:

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Community Development Department
Planning Division
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Project No. CTR1401

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INTRODUCTION

This noise impact analysis has been prepared to evaluate the potential noise impacts and mitigation measures associated with the proposed Riverside Free Methodist Church Demolition Project (project) in the City of Riverside (City), California. This report is intended to satisfy the City's requirement for a project-specific noise impact analysis by examining the impacts of the proposed actions on adjacent noise-sensitive uses, and evaluating the mitigation measures required as part of the project design.

Project Description

The proposed project is the demolition by California Baptist University (CBU) of the existing Riverside Free Methodist Church complex located at 8431 Diana Avenue in the City of Riverside, in western Riverside County, California. Figure 1 depicts the project vicinity and regional location.

The proposed project site consists of 3.14 acres and is developed as a church facility with a 3,942-square foot (sf) sanctuary and 2,340 sf fellowship hall constructed in 1963–64 and a 3,360 sf education building constructed in 1979. The site contains improvements consisting of a paved parking lot, concrete walkways, ornamental landscaping, a tot lot, and undeveloped area. The project site is further identified by Assessor's Parcel Number (APN) 231-070-007 and U.S. Geological Survey (USGS) Map, *Riverside, California* quadrangle, Township 3 South, Range 5 West, portions of Sections 5 and 8 of San Bernardino Baseline and Meridian (SBBM). Figure 2 illustrates the structures currently on site.

METHODOLOGY RELATED TO NOISE IMPACT ASSESSMENT

Evaluation of noise impacts associated with the proposed project includes the following:

Determination of the short-term construction noise impacts on off-site noise-sensitive uses; and

Determination of the required mitigation measures to reduce significant off-site noise and vibration impacts.

Characteristics of Sound

Noise is usually defined as unwanted sound. Noise consists of any sound that may produce physiological or psychological damage and/or interfere with communication, work, rest, recreation, or sleep.

To the human ear, sound has two significant characteristics: pitch and loudness. Pitch is generally an annoyance, while loudness can affect our ability to hear. Pitch is the number of complete vibrations, or cycles per second, of a wave resulting in the tone's range from high to low. Loudness is the strength of a sound that describes a noisy or quiet environment and is measured by the amplitude of the sound wave. Loudness is determined by the intensity of the sound waves, combined with the reception characteristics of the human ear. Sound intensity refers to how hard the sound wave strikes an object, which in turn produces the sound's effect. This characteristic of sound can be measured precisely with instruments. The analysis of a project defines the noise environment of the project area in terms of sound intensity and the project's effect on adjacent sensitive land uses.

Figure 1: Project Location Map

Figure 2: Current On-Site Structures

Measurement of Sound

Sound intensity is measured through the A-weighted scale to correct for the relative frequency response of the human ear. That is, an A-weighted noise level de-emphasizes low and very high frequencies of sound similar to the human ear's de-emphasis of these frequencies. Unlike linear units, such as inches or pounds, decibels are measured on a logarithmic scale representing points on a sharply rising curve.

For example, 10 decibels (dB) are 10 times more intense than 1 dB; 20 dB are 100 times more intense; and 30 dB are 1,000 times more intense. Thirty decibels (30 dB) represent 1,000 times as much acoustic energy as 1 dB. The decibel scale increases as the square of the change, representing the sound pressure energy. A sound as soft as human breathing is about 10 times greater than 0 dB. The decibel system of measuring sound gives a rough connection between the physical intensity of sound and its perceived loudness to the human ear. A 10 dB increase in sound level is perceived by the human ear as only a doubling of the loudness of the sound. Ambient sounds generally range from 30 A-weighted decibels (dBA) (very quiet) to 100 dBA (very loud).

Sound levels are generated from a source, and their decibel level decreases as the distance from that source increases. Sound dissipates exponentially with distance from the noise source. For a single point source, sound levels decrease approximately 6 dBA for each doubling of distance from the source. This drop-off rate is appropriate for noise generated by stationary equipment. If noise is produced by a line source, such as highway traffic or railroad operations, the sound decreases 3 dBA for each doubling of distance in a hard site environment. Line source, noise in a relatively flat environment with absorptive vegetation, decreases 4.5 dBA for each doubling of distance.

There are many ways to rate noise for various time periods, but an appropriate rating of ambient noise affecting humans also accounts for the annoying effects of sound. Equivalent continuous sound level (L_{eq}) is the total sound energy of time varying noise over a sample period. However, the predominant rating scales for human communities in the State of California are the L_{eq} and Community Noise Equivalent Level (CNEL) or the day-night average level (L_{dn}) based on dBA. CNEL is the time varying noise over a 24-hour period, with a 5 dBA weighting factor applied to the hourly L_{eq} for noises occurring from 7:00 p.m. to 10:00 p.m. (defined as relaxation hours) and a 10 dBA weighting factor applied to noise occurring from 10:00 p.m. to 7:00 a.m. (defined as sleeping hours). L_{dn} is similar to the CNEL scale, but without the adjustment for events occurring during the evening hours. CNEL and L_{dn} are within 1 dBA of each other and are normally exchangeable. The City uses the CNEL noise scale for long-term noise impact assessment.

Other noise rating scales of importance when assessing the annoyance factor include the maximum noise level (L_{max}), which is the highest exponential time averaged sound level that occurs during a stated time period. The noise environments discussed in this analysis for short-term noise impacts are specified in terms of maximum levels denoted by L_{max} , which reflects peak operating conditions and addresses the annoying aspects of intermittent noise. It is often used together with another noise scale, or noise standards in terms of percentile noise levels, in noise ordinances for enforcement purposes. For example, the L_{10} noise level represents the noise level exceeded 10 percent of the time during a stated period. The L_{50} noise level represents the median noise level. Half the time the noise level exceeds this level, and half the time it is less than this level. The L_{90} noise level represents the noise level exceeded 90 percent of the time and is considered the background noise level during a monitoring period. For a relatively constant noise source, the L_{eq} and L_{50} are approximately the same.

Noise impacts can be described in three categories. The first category includes audible impacts that refer to increases in noise levels noticeable to humans. Audible increases in noise levels generally refer to a change of 3.0 dB or greater since this level has been found to be barely perceptible in exterior environments. The second category, potentially audible, refers to a change in the noise level between 1.0 and 3.0 dB. This range of noise levels has been found to be noticeable only in laboratory environments. The last category includes changes in noise level of less than 1.0 dB, which are inaudible to the human ear. Only audible changes in existing ambient or background noise levels are considered potentially significant.

Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure (typically more than 8 hours, as defined by the Occupational Safety and Health Administration [OSHA]) to noise levels higher than 85 dBA. Exposure to high noise levels affects our entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. In comparison, extended periods of noise exposure above 90 dBA would result in permanent cell damage. When the noise level reaches 120 dB, a tickling sensation occurs in the human ear even with short-term exposure. This level of noise is called the threshold of feeling. As the sound reaches 140 dB, the tickling sensation is replaced by the feeling of pain in the ear. This is called the threshold of pain. A sound level of 160 to 165 dB will result in dizziness or loss of equilibrium. The ambient or background noise problem is widespread and generally more concentrated in urban areas than in outlying less developed areas.

Table A lists “Definitions of Acoustical Terms,” and Table B displays “Common Sound Levels and Their Noise Sources.” Table C shows “Land Use Compatibility for Exterior Community Noise” from the City’s General Plan and Supporting Documents Environmental Impact Report (EIR) (City of Riverside, certified November 2007).

Vibration

Vibration energy propagates from a source through intervening soil and rock layers to the foundations of nearby buildings. The vibration then propagates from the foundation throughout the remainder of the structure. Building vibration may be perceived by occupants as the motion of building surfaces, the rattling of items on shelves or wall hangings, or a low-frequency rumbling noise. The rumble noise is caused by the vibrating walls, floors, and ceilings radiating sound waves. Groundborne vibration is usually measured in terms of vibration velocity, either the root-mean-square (RMS) velocity or peak particle velocity (PPV). Of these two, RMS is best for characterizing human response to building vibration, and PPV is used to characterize potential for damage. Ground vibrations from construction activities do not often reach the levels that can damage structures, but they can achieve the audible and tactile ranges in buildings very close to the site. Problems with groundborne vibration from construction sources are usually localized to areas within about 100 feet (ft) from the vibration source.

Table A: Definitions of Acoustical Terms

Term	Definitions
Decibel, dB	A unit of level that denotes the ratio between two quantities proportional to power; the number of decibels is 10 times the logarithm (to the base 10) of this ratio.
Frequency, Hz	Of a function periodic in time, the number of times that the quantity repeats itself in one second (i.e., number of cycles per second).
A-Weighted Sound Level, dBA	The sound level obtained by use of A-weighting. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise. All sound levels in this report are A-weighted, unless reported otherwise.
L_{01} , L_{10} , L_{50} , L_{90}	The fast A-weighted noise levels equaled or exceeded by a fluctuating sound level for 1 percent, 10 percent, 50 percent, and 90 percent of a stated time period.
Equivalent Continuous Noise Level, L_{eq}	The level of a steady sound that, in a stated time period and at a stated location, has the same A-weighted sound energy as the time varying sound.
Community Noise Equivalent Level, CNEL	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 5 dB to sound levels occurring in the evening from 7:00 p.m. to 10:00 p.m. and after the addition of 10 dB to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
Day/Night Noise Level, L_{dn}	The 24-hour A-weighted average sound level from midnight to midnight, obtained after the addition of 10 dB to sound levels occurring in the night between 10:00 p.m. and 7:00 a.m.
L_{max} , L_{min}	The maximum and minimum A-weighted sound levels measured on a sound level meter, during a designated time interval, using fast time averaging.
Ambient Noise Level	The all-encompassing noise associated with a given environment at a specified time, usually a composite of sound from many sources at many directions, near and far; no particular sound is dominant.
Intrusive	The noise that intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends upon its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Source: Handbook of Acoustical Measurements and Noise Control (1991).

Table B: Common Sound Levels and Their Noise Sources

Noise Source	A-Weighted Sound Level in Decibels	Noise Environment	Subjective Evaluation
Near Jet Engine	140	Deafening	128 times as loud
Civil Defense Siren	130	Threshold of Pain	64 times as loud
Hard Rock Band	120	Threshold of Feeling	32 times as loud
Accelerating Motorcycle a few feet away	110	Very Loud	16 times as loud
Pile Driver; Noisy Urban Street/ Heavy City Traffic	100	Very Loud	8 times as loud
Ambulance Siren; Food Blender	95	Very Loud	
Garbage Disposal	90	Very Loud	4 times as loud
Freight Cars; Living Room Music	85	Loud	
Pneumatic Drill; Vacuum Cleaner	80	Loud	2 times as loud
Busy Restaurant	75	Moderately Loud	
Near Freeway Auto Traffic	70	Moderately Loud	Reference Level
Average Office	60	Quiet	$\frac{1}{2}$ as loud
Suburban Street	55	Quiet	
Light Traffic; Soft Radio Music in Apartment	50	Quiet	$\frac{1}{4}$ as loud
Large Transformer	45	Quiet	
Average Residence Without Stereo Playing	40	Faint	$\frac{1}{8}$ as loud
Soft Whisper	30	Faint	
Rustling Leaves	20	Very Faint	
Human Breathing	10	Very Faint	Threshold of Hearing
	0	Very Faint	

Source: Compiled by LSA Associates, Inc. (2004).

Table C: Land Use Compatibility for Exterior Community Noise

Land Use Category	Community Noise Equivalent Level (CNEL) or Day-Night Level (Ldn), dB							Nature of the noise environment where the CNEL or Ldn level is:
	55	60	65	70	75	80	85	
Single Family Residential*								Below 55 dB Relatively quiet suburban or urban areas, no arterial streets within 1 block, no freeways within 1/4 mile.
Infill Single Family Residential*								
Commercial- Motels, Hotels, Transient Lodging								55-65 dB Most somewhat noisy urban areas, near but not directly adjacent to high volumes of traffic.
Schools, Libraries, Churches, Hospitals, Nursing Homes								
Amphitheaters, Concert Hall, Auditorium, Meeting Hall								65-75 dB Very noisy urban areas near arterials, freeways or airports.
Sports Arenas, Outdoor Spectator Sports								
Playgrounds, Neighborhood Parks								75+ dB Extremely noisy urban areas adjacent to freeways or under airport traffic patterns. Hearing damage with constant exposure outdoors.
Golf Courses, Riding Stables, Water Rec., Cemeteries								
Office Buildings, Business, Commercial, Professional								
Industrial, Manufacturing Utilities, Agriculture								
Freeway Adjacent Commercial, Office, and Industrial Uses.								

 Normally Acceptable	 Conditionally Acceptable	 Normally Unacceptable	 Conditionally Unacceptable
Specific land use is satisfactory, based on the assumption that any building is of normal conventional construction, without any special noise insulation requirements.	New construction or development should be undertaken only after a detailed analysis of noise reduction requirements is made and needed noise insulation features included in design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning, will normally suffice.	New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of noise reduction requirements must be made and needed noise insulation features included in design.	New construction or development should generally not be undertaken, unless it can be demonstrated that noise reduction requirements can be employed to reduce noise impacts to an acceptable level. If new construction or development does proceed, a detailed analysis of noise reduction requirements must be made and needed noise insulation features included in the design.

The Community Noise Equivalent Level (CNEL) and Day-Night Noise Level (Ldn) are measures of the 24-hour noise environment. They represent the constant A-weighted noise level that would be measured if all the sound energy received over the day were averaged. In order to account for the greater sensitivity of people to noise at night, the CNEL weighting includes a 5-decibel penalty on noise between 7:00 p.m. and 10:00 p.m. and a 10-decibel penalty on noise between 10:00 p.m. and 7:00 a.m. of the next day. The Ldn includes only the 10-decibel weighting for late-night noise events. For practical purposes, the two measures are equivalent for typical urban noise environments.

* For properties located within airport influence areas, acceptable noise limits for single family residential uses are established by the Riverside County Airport Land Use Compatibility Plan.

SOURCE: STATE DEPARTMENT OF HEALTH,
AS MODIFIED BY THE CITY OF RIVERSIDE

EXISTING CONDITIONS

Surrounding Land Uses in the Project Vicinity

A mix of land uses surrounds the project site. The areas adjacent to the project site include the following uses:

- North: CBU Facilities Planning.
- East: Commercial retail buildings.
- South: State Route 91.
- West: CBU on-campus apartments.

Overview of the Existing Noise Environment

The primary existing noise sources in the project area are transportation facilities. Traffic on Diana Avenue, Adams Street, State Route 91 (SR-91), and other local streets is the dominant source of ambient noise.

Thresholds of Significance

A project will normally have a significant effect on the environment related to noise if it will substantially increase the ambient noise levels for adjoining areas or conflict with adopted environmental plans and goals of the community in which it is located. The applicable noise standards governing the project site are the noise criteria listed in the City's Municipal Code and Noise Element of the General Plan.

Based on the standards and thresholds identified earlier, the effects of the proposed project have been categorized as either "less than significant impact" or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

City of Riverside Noise Element. The City in its General Plan Noise Element has established Noise/Land Use Noise Compatibility Criteria. Single-family and multifamily residences are normally acceptable in exterior noise environments up to 60 dBA CNEL and conditionally acceptable in exterior noise environments of up to 65 dBA CNEL. Infill residential uses are normally acceptable in exterior noise environments up to 65 dBA CNEL and conditionally acceptable in exterior noise environments of up to 75 dBA CNEL. Interior noise levels within residential structures are acceptable up to 45 dBA CNEL. Commercial uses are normally acceptable in exterior noise environments of up to 65 dBA CNEL. Industrial uses are normally acceptable up to 70 dBA CNEL. For the purposes of this noise impact analysis, multifamily (student housing) uses with outdoor active use areas (such as patios or balconies) exposed to noise levels exceeding 65 dBA CNEL would need to be mitigated.

City of Riverside Municipal Code Noise Ordinance. The City has incorporated the following measures in its Municipal Code to control loud, unnecessary, and unusual nuisance noises:

Exterior Sound Level Limits. Unless a variance has been granted, it shall be unlawful for any person to cause or allow the creation of any noise which exceeds the following:

The exterior noise standard of the applicable land use category [Table D], up to 5 dB, for a cumulative period of more than 30 minutes in an hour; or

The exterior noise standard of the applicable land use category, plus 5 dB, for a cumulative period of more than 15 minutes in any hour; or

The exterior noise standard of the applicable land use category, plus 10 dB, for a cumulative period of more than 5 minutes in any hour; or

The exterior noise standard of the applicable land use category, plus 15 dB, for a cumulative period of more than 1 minute in any hour; or

The exterior noise standard of the applicable land use category, plus 20 dB or the maximum measured ambient noise level, for any period of time.

Interior Sound Level Limits. No person shall operate or cause to be operated, any source of sound indoors which causes the noise level, when measured inside another dwelling unit, school or hospital, to exceed:

The interior noise standard for the applicable noise category [Table D], up to 5 dB, for a cumulative period of more than 5 minutes in any hour; or

The interior noise standard for the applicable land use category, plus 5 dB, for a cumulative period of more than 1 minute in any hour; or

The interior noise standard for the applicable land use category, plus 10 dB or the maximum measured ambient noise level, for any period of time.

Table D: City of Riverside Sound Level Limits (dBA)

Land Use Category	Time Period	Exterior Noise Standard	Interior Noise Standard
Residential	Night (10:00 p.m. to 7:00 a.m.)	45	35
	Day (7:00 a.m. to 10:00 p.m.)	55	45
School	7:00 a.m. to 10:00 p.m. (while school is in session)	N/A ¹	45
Hospital	Anytime	N/A	45
Office/Commercial	Anytime	65	N/A
Industrial	Anytime	70	N/A
Community Support	Anytime	60	N/A
Public Recreation Facility	Anytime	65	N/A
Nonurban	Anytime	70	N/A

Source: City of Riverside Municipal Code (2005).

¹ N/A = Not Applicable. The City of Riverside has not established a sound level limit for this land use.

dBA = A-weighted decibels

Based on Table D and Sections 7.25.010 and 7.30.05 of the City's Municipal Code, the maximum exterior noise level for residential uses is 75 dBA $L_{\max}$ (55 dB plus 20 dB) during daytime hours and 65 dBA $L_{\max}$ (45 dB plus 20 dB) during nighttime hours, or the maximum measured ambient noise level for any period of time. Similarly, the maximum interior nuisance noise level for residential uses is 55 dBA $L_{\max}$ (45 dB plus 10 dB) during daytime hours and 45 dBA $L_{\max}$ (35 dB plus 10 dB) during nighttime hours, or the maximum measured ambient noise level for any period of time.

Construction activities are restricted within the City, as specified in the Riverside Municipal Code Section 7.35.010(B)(5), between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday; between the hours of 8:00 a.m. and 5:00 p.m. on Saturdays; and are prohibited on Sundays and Federal holidays. In addition, the Municipal Code limits noise levels from construction activities to the maximum permitted exterior noise level for the affected land use.

Vibration. Based on the Federal Transit Administration's (FTA) *Transit Noise and Vibration Impact Assessment* (2006) and depending on the building category of the nearest buildings adjacent to the project site, the potential construction vibration damage criteria vary.

Both the FTA in its *Transit Noise and Vibration Impact Assessment* (2006) and the Federal Railroad Administration (FRA) in its *High-Speed Ground Transportation Noise and Vibration Impact Assessment* (2005) included groundborne vibration and noise impact criteria guidance, as shown in Table E.

Table E: Groundborne Vibration and Noise Impact Criteria

Land Use Category	Groundborne Vibration Impact Levels (VdB re 1 micro inch/sec)		Groundborne Noise Impact Levels (dB re 20 micropascals)	
	Frequent ¹ Events	Infrequent ² Events	Frequent ¹ Events	Infrequent ² Events
Category 1: Buildings where low ambient vibration is essential for interior operations.	65 VdB3	65 VdB3	B4	B4
Category 2: Residences and buildings where people normally sleep.	72 VdB	80 VdB	35 dBA	43 dBA
Category 3: Institutional land uses with primarily daytime use.	75 VdB	83 VdB	40 dBA	48 dBA

Source: Federal Transit Administration (2006).

¹ "Frequent Events" is defined as more than 70 events per day.

² "Infrequent Events" is defined as fewer than 70 events per day.

³ This criterion limit is based on levels that are acceptable for most moderately sensitive equipment, such as optical microscopes. Vibration-sensitive manufacturing or research requires detailed evaluation to define the acceptable vibration levels. Ensuring lower vibration levels in a building often requires special design of the HVAC systems and stiffened floors.

⁴ Vibration-sensitive equipment is used in buildings where sufficient noise attenuation is provided; additionally, such equipment is not sensitive to either airborne or groundborne noise.

dB = decibels

HVAC = heating, ventilation, and air-conditioning

VdB = vibration velocity decibels

dBA = A-weighted decibels

inch/sec = inch(es) per second

The criteria presented in Table E account for variation in project types, as well as the frequency of events, which differ widely among transit projects. Although the criteria are provided for community response to groundborne vibration from rail rapid transit systems, they also provide useful guidelines for human response to exposure to vibration in general. Table F lists the vibration damage criteria for various structural categories. These are identified by the FTA as criteria that should be used during the environmental impact assessment phase to identify problem locations that must be addressed during final design (FTA 2006).

Tables E (criteria in terms of vibration velocity decibels [VdB]) and F (criteria in terms of inches per second [inches/sec] and VdB) are used to evaluate the effects of vibration on human response and structural damage. For example, for a building that is constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 102 VdB (0.5 inch/sec) (FTA 2006) is considered safe and would not result in any construction vibration damage. For a nonengineered timber and masonry building, the construction vibration damage criterion is 94 VdB (0.2 inch/sec).

Table F: Construction Vibration Damage Criteria

Building Category	PPV (inches/sec)	Approximate Lv ¹
Reinforced concrete, steel, or timber (no plaster)	0.5	102
Engineered concrete and masonry (no plaster)	0.3	98
Nonengineered timber and masonry buildings	0.2	94
Buildings extremely susceptible to vibration damage	0.12	90

Source: Federal Transit Administration, May 2006.

¹ RMS VdB re 1 micro-inch/second.

inches/sec = inches per second

PPV = peak particle velocity

VdB = vibration velocity decibels

Lv = 20 log₁₀ (V/Vref) is the vibration velocity in decibels

RMS = root mean square

IMPACTS AND MITIGATION MEASURES

Short-Term Demolition-Related Impacts

Short-term noise impacts would be associated with demolition of buildings on site during construction of the proposed project. Construction-related short-term noise levels would be higher than current existing ambient noise levels in the project area, but would no longer occur once implementation of the project is completed.

Two types of short-term noise impacts could occur during the demolition of the on-site buildings. First, construction crew commutes and the transport of construction equipment to the site for the proposed project would incrementally increase noise levels on access roads leading to the site. Although there would be a relatively high single-event noise exposure potential causing intermittent noise nuisance (passing trucks at 50 ft would generate up to a maximum of 87 dBA L_{max}), the effect on longer term (hourly or daily) ambient noise levels would be small. The project is anticipated to generate 72 daily vehicle trips during the demolition period. This number of daily vehicle trips would be less than 10 percent of the daily traffic volumes on Diana Avenue and less than one percent of the ADT on Adams Street. The effect on the traffic noise would be a less than 0.5 dBA increase over the 24-hour period. This change is not perceptible to the human ear in an outdoor environment.

Therefore, short-term construction-related impacts associated with worker commute and equipment transport to the project site would be less than significant.

The second type of short-term noise impact is related to noise generated during demolition of buildings on the project site. Table G lists construction equipment noise levels ($L_{\max}$) included in the FHWA *Highway Construction Noise Handbook* (2006) that are based on a distance of 50 ft between the equipment and a noise receptor. Typical noise levels range up to 90 dBA $L_{\max}$ at 50 ft during the demolition phase. Typical operating cycles for these types of construction equipment may involve 1 or 2 minutes of full power operation followed by 3 or 4 minutes at lower power settings.

Table G: RCNM Default Noise Emission Reference Levels and Usage Factors

Equipment Description	Impact Device?	Acoustical Usage Factor	Spec. 721.560 $L_{\max}$ at 50 ft (dBA, slow)	Actual Measured $L_{\max}$ at 50 ft (dBA, slow)	Number of Actual Data Samples (Count)
All other Equipment > 5 HP	No	50	85	N/A	0
Auger Drill Rig	No	20	85	84	36
Backhoe	No	40	80	78	372
Bar Bender	No	20	80	N/A	0
Blasting	Yes	N/A	94	N/A	0
Boring Jack Power Unit	No	50	80	83	1
Chain Saw	No	20	85	84	46
Clam Shovel (dropping)	Yes	20	93	87	4
Compactor (ground)	No	20	80	83	57
Compressor (air)	No	40	80	78	18
Concrete Batch Plant	No	15	83	N/A	0
Concrete Mixer Truck	No	40	85	79	40
Concrete Pump Truck	No	20	82	81	30
Concrete Saw	No	20	90	90	55
Crane	No	16	85	81	405
Dozer	No	40	85	82	55
Drill Rig Truck	No	20	84	79	22
Drum Mixer	No	50	80	80	1
Dump Truck	No	40	84	76	31
Excavator	No	40	85	81	170
Flat Bed Truck	No	40	84	74	4
Front End Loader	No	40	80	79	96
Generator	No	50	82	81	19
Generator (< 25 kVA, VMS Signs)	No	50	70	73	74
Gradall	No	40	85	83	70
Grader	No	40	85	N/A	0
Grapple (on backhoe)	No	40	85	87	1
Horizontal Boring Hydraulic Jack	No	25	80	82	6
Hydra Break Ram	Yes	10	90	N/A	0
Impact Derive	Yes	20	95	101	11

Table G: RCNM Default Noise Emission Reference Levels and Usage Factors

Equipment Description	Impact Device?	Acoustical Usage Factor	Spec. 721.560 L _{max} at 50 ft (dBA, slow)	Actual Measured L _{max} at 50 ft (dBA, slow)	Number of Actual Data Samples (Count)
Jackhammer	Yes	20	85	89	133
Man Lift	No	20	85	75	23
Mounted Impact Hammer (hoe ram)	Yes	20	90	90	212
Pavement Scarifier	No	20	85	90	2
Paver	No	50	85	77	9
Pickup Truck	No	40	55	75	1
Pneumatic Tools	No	50	85	85	90
Pumps	No	50	77	81	17
Refrigerator Unit	No	100	82	73	3
Rivit Buster/Chipping Gun	Yes	20	85	79	19
Rock Drill	No	20	85	81	3
Roller	No	20	85	80	16
Sand Blasting (single nozzle)	No	20	85	96	9
Scraper	No	40	85	84	12
Sheers (on backhoe)	No	40	85	96	5
Slurry Plant	No	100	78	78	1
Slurry Trench Machine	No	50	82	80	75
Soil Mix Drill Rig	No	50	80	N/A	0
Tractor	No	40	84	N/A	0
Vacuum Excavator (Vac-Truck)	No	40	85	85	149
Vacuum Street Sweeper	No	10	80	82	19
Ventilation Fan	No	100	85	79	13
Vibrating Hopper	No	50	85	87	1
Vibratory Concrete Mixer	No	20	80	80	1
Vibratory Pile Driver	No	20	95	101	44
Warning Horn	No	5	85	83	12
Welder/Torch	No	40	73	74	5

Source: *Highway Construction Noise Handbook* (FHWA 2006).

Equipment shown in **bold** type represents possible use on project site.

dBA = A-weighted decibels

FHWA = Federal Highway Administration

ft = foot/feet

ft-lb/blow = foot-pounds per blow

HP = horsepower

kVA = kilovolt-ampere

L_{max} = maximum instantaneous noise level

N/A = Not Applicable

RCNM = Roadway Construction Noise Model

VMS = variable-message sign

Construction Noise. Demolition for the on-site buildings is expected to occur over a short time period. No major construction work such as grading or site preparation would occur on the project site. Based on the information in Table G, the maximum noise level generated by equipment expected to be used on the proposed project site is assumed to be 90 dBA L_{max} at 50 ft from the equipment (pavement breaker, pneumatic tools, etc.). Each doubling of the sound sources with equal strength increases the noise level by 3 dBA. Assuming that each piece of construction equipment operates at

some distance from the other equipment, the worst-case combined noise level during the demolition phase of construction would be 93 dBA L_{max} at a distance of 50 ft from the active demolition area.

Land uses adjacent to the project site include commercial/retail uses and CBU facilities including on-campus apartments. The existing on-campus apartments, the only noise-sensitive uses in the project vicinity, are more than 100 ft from the building demolition area, which would result in 6 dBA of noise reduction from distance divergence alone. Demolition on the project site would potentially expose noise-sensitive uses in the project vicinity to noise levels reaching 87 dBA L_{max} . Intervening buildings between the project site and the off-site sensitive uses would provide additional shielding or noise barrier effect. Although vehicular traffic on SR-91 and streets adjacent to these off-site sensitive uses would provide masking effects, noise impacts associated with on-site demolition activity are considered potentially significant since they could potentially exceed the 75 dBA L_{max} maximum noise level recommended by the City. In addition, the proposed project would be required to comply with the construction hours specified in the City's Noise Ordinance to ensure that noise impacts from all outdoor construction would be reduced to an acceptable level.

Construction Vibration. Vibration refers to groundborne noise and perceptible motion. Groundborne vibration is almost exclusively a concern inside buildings and is rarely perceived as a problem outdoors, where the motion may be discernable, but without the effects associated with the shaking of a building there is less adverse reaction. Construction on the project site would result in the exposure of persons to excessive groundborne vibration or groundborne noise levels. Groundborne vibration during construction activity is temporary and would cease to occur after project construction is completed.

The proposed project would not require the use of scrapers, and graders, but will use construction equipment similar to large bulldozers, jackhammers, and other pneumatic tools. As shown in Table H, a large bulldozer would generate approximately 0.089 PPV (in/sec) vibration when measured at 25 ft. A jackhammer would generate approximately 0.035 PPV (inch/sec) when measured at 25 ft, while a loaded truck would generate 0.076 PPV (inch/sec) at 25 ft.

Table H: Vibration Source Amplitudes for Construction Equipment

Equipment	Reference PPVat 25 Ft (inches/sec)
Pile Driver (impact), typical	0.644
Pile Driver (sonic), typical	0.170
Vibratory roller	0.210
Large bulldozer	0.089
Caisson drilling	0.089
Loaded trucks	0.076
Jackhammer	0.035
Small bulldozer	0.003
Crack-and-seat operations	2.400

Sources: Federal Transit Administration, 2006 (except Hanson 2001 for vibratory rollers); and California Department of Transportation, 2000 (for crack-and-seat-operations). Equipment in **bold** type represents possible use on project site.

ft = feet inches/sec = inches per second PPV = peak particle velocity

Experience with groundborne vibration indicates that vibration propagation is more efficient in stiff clay soils than in loose sandy soils. Shallow rock seems to concentrate the vibration energy close to the surface and can result in groundborne vibration problems at some distance from the source. Factors such as layering of the soil and depth to the water table can have significant effects on the propagation of groundborne vibration. Soft, loose, sandy soils tend to attenuate more vibration energy than hard, rocky materials. Vibration propagation through groundwater is more efficient than through sandy soils.

Regarding the potential for building damage, Table H shows that vibration levels from construction equipment and activities, including bulldozers, trucks, and jackhammers, would be less than 0.1 inch/sec at 25 ft from the project demolition area and lower than the PPV of 0.2 inch/sec vibration damage criteria at the nearest commercial/retail buildings for nonengineered timber and masonry buildings (FTA 2006). For new commercial/residential buildings, the vibration damage potential threshold recommended by Caltrans is 1 inch/sec from transient sources such as pile driving and blasting. Caltrans also states that it takes at least 0.9 inch/sec of PPV for the human response to be strongly perceptible, or 0.25 inch/sec to be distinctly perceptible (Caltrans 1992). The nearest sensitive uses/buildings are more than 100 ft from the project demolition area, and no commercial buildings are within 50 ft of the project demolition area. None of the predicted vibration levels (all below 0.1 inch/sec) for sensitive uses in the vicinity of the project site would reach either of these two threshold levels. Thus, no significant vibration impacts are anticipated and no mitigation is required.

Similarly, regarding human perception of vibration, loaded trucks and other heavy-tracked construction equipment generate approximately 92 VdB of groundborne vibration when measured at 50 ft, based on the FTA's *Transit Noise and Vibration Impact Assessment* (2006). Based on the Caltrans 1992 *Transportation-Related Earthborne Vibrations, Technical Advisory*, the vibration level at 100 ft is approximately 6 VdB lower than the vibration level at 50 ft. Vibration at 200 ft from the source is more than 6 VdB lower than the vibration level at 100 ft, or more than 12 VdB lower than the vibration level at 50 ft. Therefore, receptors at 100, 200, and 300 ft from the construction activity may be exposed to groundborne vibration up to 86, 80, and 76 VdB, respectively. The nearest sensitive uses are more than 100 ft from the project demolition area and would not experience any potential vibration damage impacts. No mitigation measures are required.

Long-Term On-Site Noise Impacts

There would be no long-term noise impacts associated with the project site after demolition is completed.

Long-Term On-Site Vibration Impacts

There would be no long-term vibration impacts associated with the project site after demolition is completed.

Mitigation Measures

Construction Impacts. The following measures would reduce short-term construction-related noise impacts resulting from the proposed project:

- During all project site excavation and grading on site, demolition contractors shall equip all equipment, fixed or mobile, with properly operating and maintained mufflers, consistent with manufacturers' standards. All stationary equipment shall be placed so that emitted noise is directed away from the campus apartments nearest the project site.
- Equipment staging areas shall be located as far as feasible from the on-campus apartments.
- Haul truck deliveries shall be limited to the demolition hours. Haul routes shall not pass sensitive land uses, to the extent feasible.
- On-campus residents shall be notified, via postings on the project site, 24 hours before major demolition-related noise impacts commence.

On-Site Operational Noise Impacts. No mitigation measures are required.

On-Site Operational Vibration Impacts. No mitigation measures are required.

Level of Significance after Mitigation

With implementation of these mitigation measures for construction impacts, the project would result in a less than significant impact for all potential noise impacts associated with the proposed project.

REFERENCES

- Bolt, Beranek & Newman. 1987. *Noise Control for Buildings and Manufacturing Plants*.
- California Department of Health, Office of Noise Control. 1976. *Land Use Compatibility for Exterior Community Noise*.
- California Department of Transportation (Caltrans). 1992. *Transportation-Related Earthborne Vibrations, Technical Advisory*. July 24.
- . 2013. *Traffic Volumes on State Highways*. May.
- City of Riverside. 2005. *Noise Element and Municipal Code Noise Ordinances*.
- . 2013. 24-Hour Traffic Counts.
- Cyril M. Harris. 1991. *Handbook of Acoustical Measurements and Noise Control*.
- Environmental Protection Agency. November 1978. Protective Noise Levels, EPA 550/9-79-100.
- Federal Railroad Administration (FRA). 2005. *High-Speed Ground Transportation Noise and Vibration Impact Assessment*. October.
- Federal Highway Administration. 1977. *Highway Traffic Noise Prediction Model*, FHWA RD-77-108.
- Federal Transit Administration (FTA). 2006. *Transit Noise and Vibration Impact Assessment* (FTA-VA-90-1003-06). May.

APPENDIX G



LSA ASSOCIATES, INC.
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BERKELEY
CARLSBAD
FRESNO

IRVINE
PALM SPRINGS
PT. RICHMOND

ROCKLIN
SAN LUIS OBISPO

December 12, 2014

Ms. Teri Delcamp, Historic Preservation Senior Planner
City of Riverside
Community Development Department
Historic Preservation, Neighborhoods & Urban Design Division
3900 Main Street, 3rd Floor
Riverside, California 92522

Subject: Riverside Free Methodist Church Demolition - Traffic Analysis (LSA Project No. CTR1401)

Dear Teri:

This letter summarizes an analysis prepared to determine the potential circulation impacts associated with the demolition of the existing Riverside Free Methodist Church complex. The subject property is located on the California Baptist University (CBU) campus at 8431 Diana Avenue in the City of Riverside, Riverside County. The project includes the demolition of a 3,942-square foot sanctuary, a 2,340-square foot fellowship hall, and a 3,360-square foot education building. Figure 1 (all figures attached) illustrates the regional and project location.

CONSTRUCTION TRAFFIC

Construction vehicles will access the project site via an existing driveway located on Diana Avenue. Currently, the driveway and parking area are used by the church. However, as Figure 2 shows, existing traffic volumes at the project driveway are nominal during the weekday a.m. and p.m. peak hours. During demolition, two types of construction traffic would be generated: employee trips and construction vehicle trips (e.g., material deliveries and construction waste hauling). Demolition activities would generate trips throughout the day, but because the project does not require intense grading/off-site hauling, the majority of the trips would be associated with construction workers traveling to and from the site during the peak hours. Based on information from CBU, six employees will be on site daily and the following vehicles will travel to and from the project site on a daily basis:

- One Diesel Service Truck.
- One Diesel Forman Truck;
- One Diesel Operator Truck; and
- Two Semi-End Dump Trucks.

Table A (all tables attached) summarizes number of trips anticipated to occur during the demolition of the existing church complex. Additionally, some demolition vehicles will be used daily on site only and stored at designated staging areas and, therefore, would not contribute to daily traffic. These vehicles include one diesel bobcat, one diesel excavator (100,000 pound), and one diesel track loader.

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PLANNING

| ENVIRONMENTAL SCIENCES

| DESIGN

Table A shows the expected trip generation resulting from demolition activities and shows that, during demolition of the existing church complex, a total of 72 daily trips would occur with 8 trips occurring in the a.m. peak hour and 8 trips occurring during the in the p.m. peak hour. Since existing traffic volumes at the project driveway are nominal during the a.m. and p.m. peak hours, they were not subtracted from the project trip generation and are included in existing with project analysis as conservative approach.

Because large trucks utilize more roadway capacity than passenger vehicles due to their larger size, slower start-up times, and reduced maneuverability, a passenger car equivalent (PCE) factor was used. A PCE factor is defined as the impact a particular kind of vehicle has on traffic variables such as headway, speed, density compared to a single passenger car. These factors are applied to the truck trip generation to account for the difference in operational characteristics of heavy vehicles. To determine the PCE for the various types of trucks that would be used during demolition activities of the project, LSA used adjustment factors contained in Highway Capacity Manual (HCM). The HCM recommends PCE conversion factors ranging from 1.0 to 2.0 depending on the size of the truck. To present a conservative analysis, LSA used a PCE conversion factor of 2.0. After accounting for trucks, demolition of the existing church complex would generate a total of 132 daily PCE trips, with 10 PCE trips occurring during the p.m. peak hour and 10 PCE trips occurring during the p.m. peak hour.

Generalized trip distribution patterns for the project are based on proposed haul routes to and from the demolition debris destination. For the purposes of this analysis, all project trips would travel to State Route 91 (SR-91) via of Diana Avenue and Adams Street. Figure 2 illustrates the project trip assignment used for analysis.

Existing Traffic Volumes

Existing traffic volumes are based on a.m. and p.m. peak hour intersection turn movement counts obtained from Counts Unlimited in November 2014. In addition, daily tube counts were collected on Diana Avenue, west of Adams Street. Count sheets are contained in Appendix A. Vehicle classification counts were conducted at the intersection at Adams Street/SR-91 Eastbound Ramps and Adams Street/SR-91 Westbound Ramps. To account for the presence of trucks, PCE volumes were computed using a PCE factor of 2.0 for all trucks. The percentage of trucks at the remaining intersections on Adams Street was determined using classification counts at the intersection of Adams Street/SR-91 Westbound Ramps.

The average daily traffic on Diana Avenue, west of the Adams Street is 1,635 vehicles. Existing a.m. and p.m. peak hour PCE traffic volumes at study intersections are illustrated in Figure 3. Project traffic was added to existing traffic volumes to develop existing with project demolition traffic volumes. Figure 4 illustrates the existing with project a.m. and p.m. peak hour PCE traffic volumes at study intersections.

Roadway and Intersection Level of Service Analysis

A roadway and intersection level of service (LOS) analysis was conducted for existing conditions. Consistent with City City's Traffic Impact Analysis (TIA) Preparation Guide, dated August 2012, the 2010 *Highway Capacity Manual* (HCM 2010) analysis methodologies were used to determine

intersection levels of service for all study area intersections. All levels of service were calculated using Synchro 8.0 software, which uses the HCM 2010 methodologies. As stated in the City's TIA preparation guide, for projects in conformance with the City's General Plan, the City strives to maintain LOS D at roadways and intersections. Based on the City's TIA guidelines, a significant project impact occurs when the project causes a roadway LOS fall to below D. For intersections, a significant impact occurs at a study intersection when the peak hour LOS falls below C or D per Policy CCM-2.3 of the City's TIA Preparation Guide.

Diana Avenue is a two-lane local roadway with a daily volume of 1,635 vehicles. During demolition of the existing church complex, daily traffic volumes on Diana Avenue would increase to 1,767 vehicles as demolition activities would add a total of 132 daily PCE trips. Based on the City's TIA Preparation Guide, a local roadway with average daily traffic volumes less than 2,500 vehicles operates at LOS A or B. Therefore, Diana Avenue operates at a satisfactory LOS under existing and existing with project conditions.

Intersections where construction vehicles have the potential to create a circulation impact were selected for analysis. Previously referenced Figure 3 shows the locations of study intersections. LOS worksheets are included in Appendix B. As Table B shows, all study intersections analyzed in this operate at a satisfactory LOS under existing and existing with project conditions.

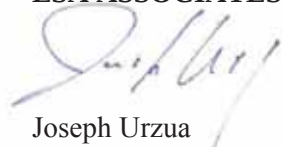
CONCLUSIONS

The demolition of the existing church and two adjacent building would not create a significant circulation impact on the adjacent roadway network. Trips generated by demolition actives are nominal even without taking a reduction for existing church activities. As shown on previously referenced Table A, demolition activities are anticipated to generate 132 daily PCE trips, with only 10 PCE trips occurring during the a.m. peak hour and 10 PCE trips occurring during the p.m. peak hour. Furthermore, all roadways and intersections analyzed would operate at a satisfactory LOS under existing and existing with project conditions. Therefore, the addition of project traffic does not create a significant circulation impact as defined by the City's Traffic Impact Analysis Preparation Guide, dated August 2012.

Should you have any questions, please do not hesitate to contact me at (951) 781-9310.

Sincerely,

LSA ASSOCIATES, INC.



Joseph Urzua
Senior Transportation Planner

Attachments: Figure 1: Regional and Project Location
Figure 2: Project Trip Assignment
Figure 3: Existing Traffic Volumes

Figure 4: Existing with Project Traffic Volumes
Table A: Trip Generation
Table B: Existing Intersection Levels of Service
Appendix A: Count Sheets
Appendix B: Level of Service Worksheets

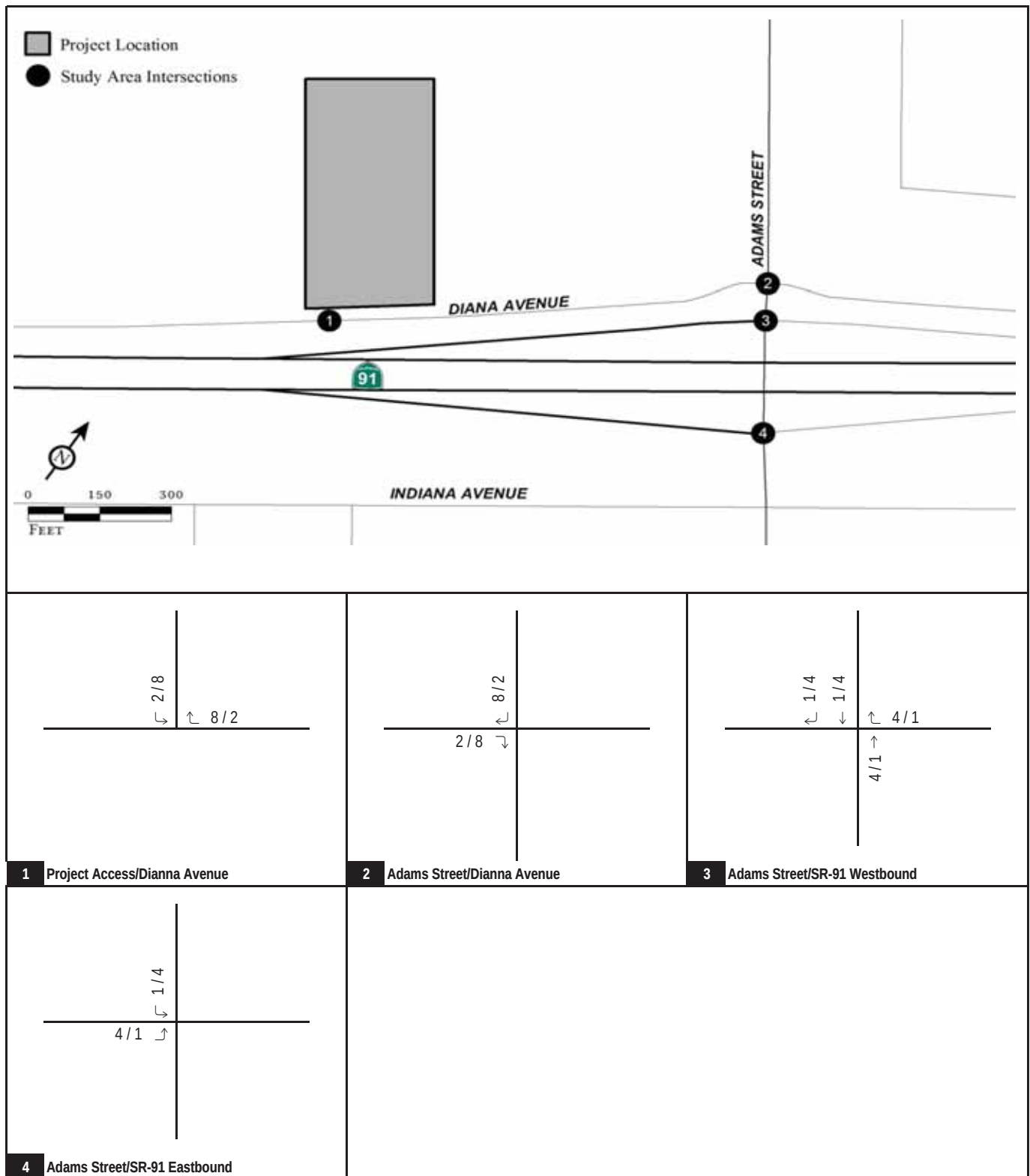


FIGURE 2

LSA

XX / YY AM / PM Peak Hour PCE Volumes

Riverside Free Methodist
Church Demolition Project

Project Trip Assignment

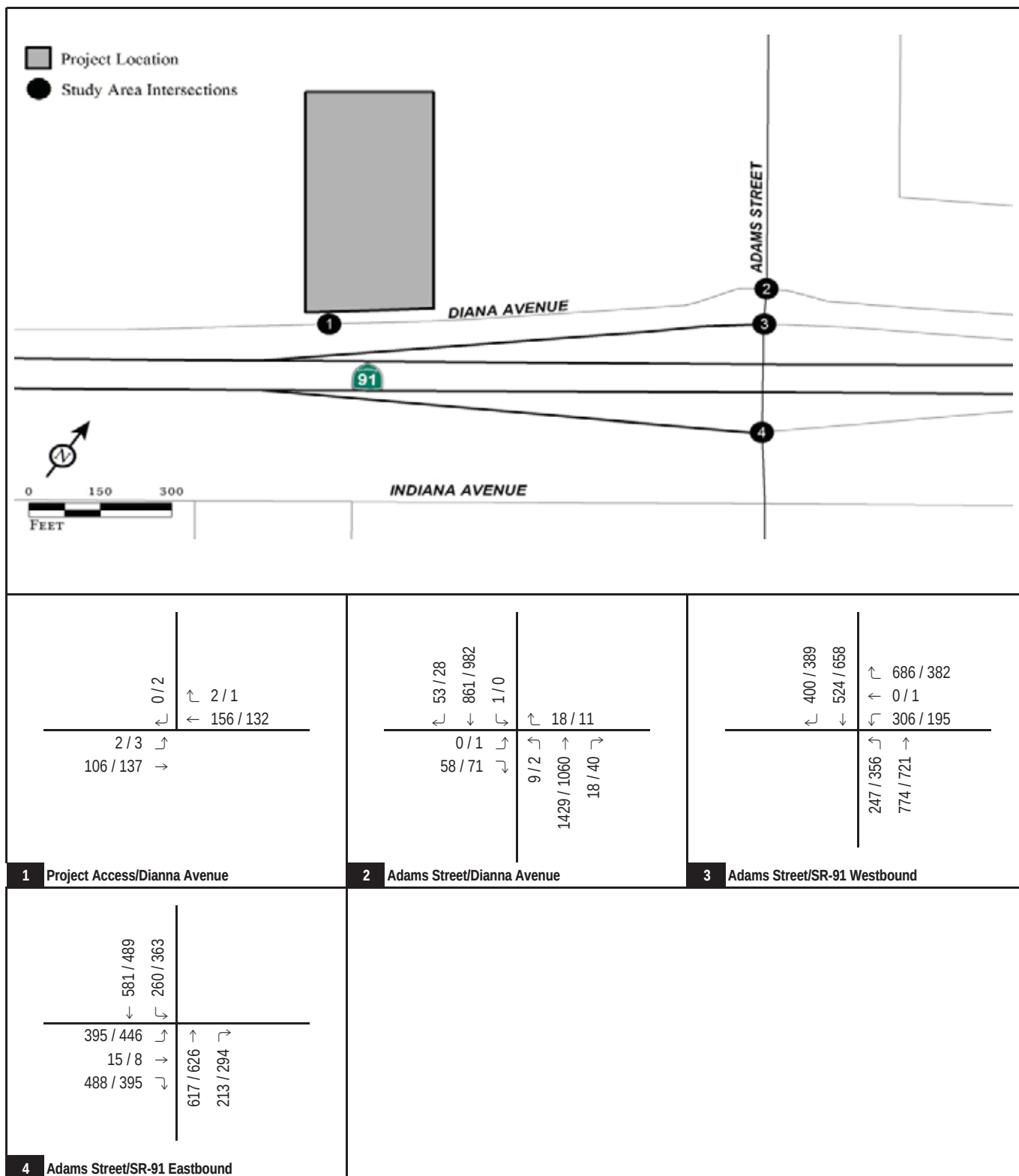


FIGURE 3

LSA

XX / YY AM / PM Peak Hour PCE Volumes

Riverside Free Methodist
Church Demolition Project

Existing Peak Hour Traffic Volumes

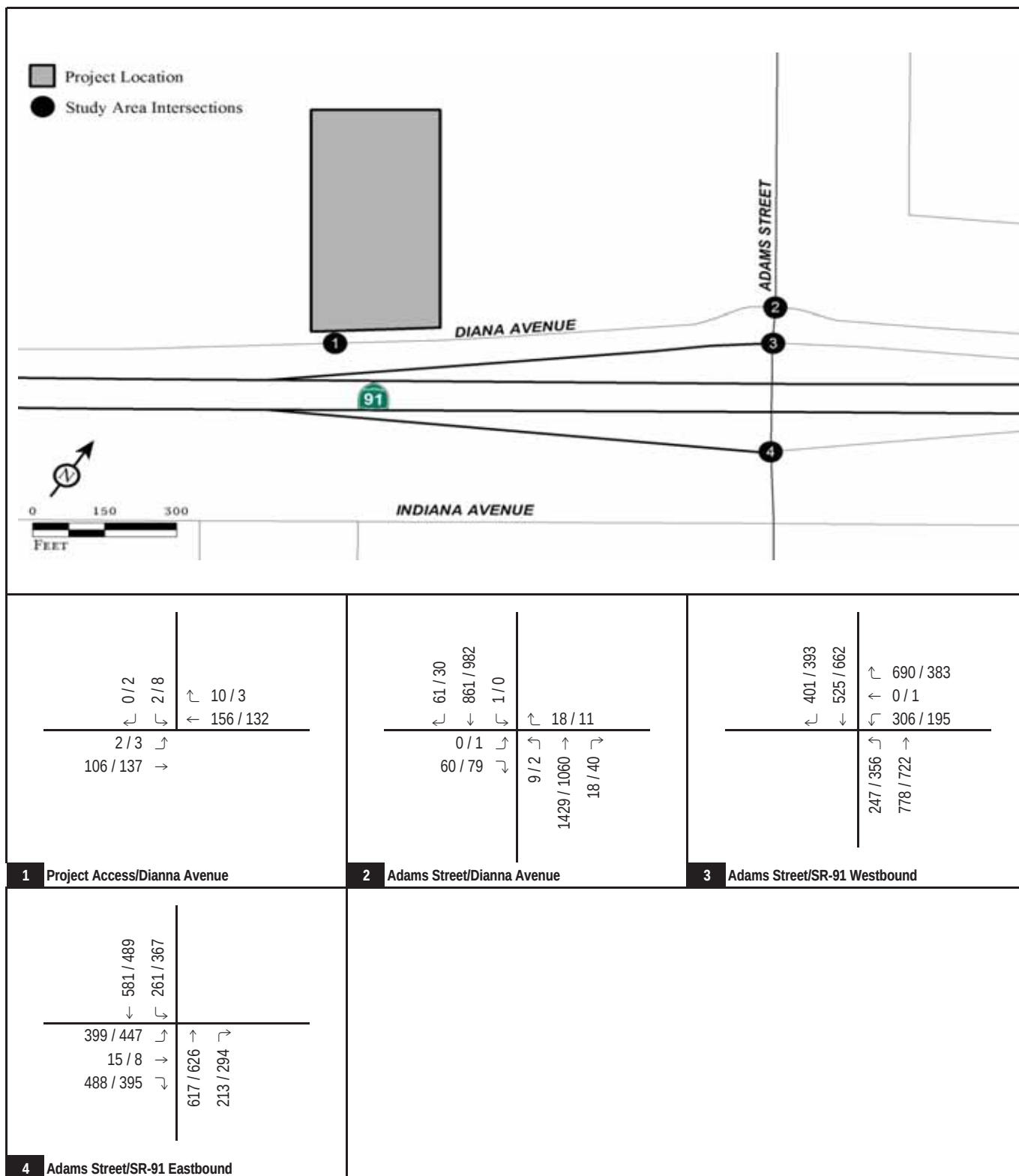


FIGURE 4

LSA

XX / YY AM / PM Peak Hour PCE Volumes

Riverside Free Methodist
Church Demolition Project

Existing with Project Peak Hour Traffic Volumes

Table A - Construction Trip Generation

Construction Vehicles					Vehicle Trip Generation						PCE Trip Generation									
Description	Quantity	Round Trips	Type	PCE	ADT	AM Peak Hour			PM Peak Hour			ADT			AM Peak Hour			PM Peak Hour		
Workers	6	1	Passenger	1	12	6	0	6	0	6	6	12	6	0	6	0	6	6		
Diesel Semi End Dump Trucks ¹	2	12	Large Truck	2	48	1	1	2	1	1	2	96	2	2	4	2	2	4		
Diesel Service Truck ²	1	2	Medium Truck	2	4	0	0	0	0	0	0	8	0	0	0	0	0	0		
Diesel Foreman Truck ²	1	2	Medium Truck	2	4	0	0	0	0	0	0	8	0	0	0	0	0	0		
Diesel Operator Truck ²	1	2	Medium Truck	2	4	0	0	0	0	0	0	8	0	0	0	0	0	0		
Total					72	7	1	8	1	7	8	132	8	2	10	2	8	10		

Notes:

PCE = passenger car equivalent. A large truck has a PCE of 2 per the Highway Capacity Manual (HCM). As a conservative approach, a PCE of 2 was also applied to medium trucks. All other vehicles have a PCE of 1.
It is estimated that 10 percent of dump trucks would occur during the peak hours.

ADT = average daily traffic

¹ Diesel Semi End Dump Trucks for hauling waste and scrap

² The Diesel Service, Foreman and Operator trucks will be in service during construction hours and unlikely to occur during the peak hour. On average each vehicle will make one round trip daily.

Table B - Existing Intersection Levels of Service

Intersection	Control	Without Project				With Construction Traffic			
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour	
		Delay	LOS	Delay	LOS	Delay	LOS	Delay	LOS
1 . Project Access/Dianna Avenue	TWSC	7.6	A	8.9	A	10.4	B	10.0	B
2 . Adams Street/Dianna Avenue	TWSC	16.4	C	15.3	C	16.4	C	15.5	C
3 . Adams Street/SR-91 Westbound	Signal	31.8	C	40.4	D	32.1	C	40.5	D
4 . Adams Street/SR-91 Eastbound	Signal	29.0	C	31.4	C	29.1	C	31.7	C

Notes:

LOS = Level of Service

TWSC = Two-Way Stop Control; For TWSC intersections, delay is for the worst-case movement.

APPENDIX A: TRAFFIC COUNT DATA

VOLUME

Diana Ave w/o Adams St

Day: Wednesday

Date: 11/19/2014

City: Riverside

Project #: CA14_6206_001

DAILY TOTALS					NB	SB	EB					WB	Total		
					0	0	1,069					566	1,635		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
0:00			0	0	0		12:00			21	9	30			
0:15			0	0	0		12:15			16	5	21			
0:30			3	2	5		12:30			25	9	34			
0:45			0	3	0	2	12:45			14	76	10	33		
1:00			0	0	0		13:00			46	13	59			
1:15			0	2	2		13:15			25	3	28			
1:30			0	1	1		13:30			22	9	31			
1:45			0	0	0	3	13:45			18	111	10	35		
2:00			2	0	2		14:00			19	8	27			
2:15			0	1	1		14:15			32	13	45			
2:30			0	0	0		14:30			24	8	32			
2:45			1	3	1	2	14:45			21	96	4	33		
3:00			4	0	4		15:00			26	7	33			
3:15			4	0	4		15:15			25	3	28			
3:30			1	0	1		15:30			38	1	39			
3:45			1	10	1	1	15:45			24	113	4	15		
4:00			7	1	8		16:00			19	3	22			
4:15			18	0	18		16:15			16	4	20			
4:30			8	1	9		16:30			25	6	31			
4:45			8	41	2	4	16:45			24	84	7	20		
5:00			9	0	9		17:00			14	11	25			
5:15			11	5	16		17:15			17	6	23			
5:30			9	0	9		17:30			17	6	23			
5:45			7	36	4	9	17:45			18	66	10	33		
6:00			6	5	11		18:00			7	11	18			
6:15			8	2	10		18:15			3	4	7			
6:30			6	5	11		18:30			6	4	10			
6:45			6	26	16	28	18:45			6	22	5	24		
7:00			8	18	26		19:00			4	5	9			
7:15			14	11	25		19:15			7	5	12			
7:30			12	12	24		19:30			6	3	9			
7:45			19	53	17	58	19:45			2	19	5	18		
8:00			17	18	35		20:00			0	1	1			
8:15			10	15	25		20:15			7	2	9			
8:30			9	11	20		20:30			12	5	17			
8:45			15	51	14	58	20:45			4	23	7	15		
9:00			14	15	29		21:00			5	4	9			
9:15			17	42	59		21:15			1	4	5			
9:30			12	18	30		21:30			5	3	8			
9:45			12	55	10	85	21:45			2	13	3	14		
10:00			15	5	20		22:00			2	0	2			
10:15			10	8	18		22:15			2	0	2			
10:30			29	13	42		22:30			2	6	8			
10:45			15	69	4	30	22:45			5	11	4	10		
11:00			11	3	14		23:00			1	1	2			
11:15			18	8	26		23:15			1	2	3			
11:30			17	8	25		23:30			1	0	1			
11:45			39	85	11	30	23:45			0	3	3	6		
TOTALS	432					310	742	TOTALS	637					256	893
SPLIT %	58.2%					41.8%	45.4%	SPLIT %	71.3%					28.7%	54.6%

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,069	566						1,635
AM Peak Hour			11:45	8:45	8:45		PM Peak Hour			15:00	13:30	13:00							
AM Pk Volume			101	89	147		PM Pk Volume			113	40	146							
Pk Hr Factor			0.647	0.530	0.623		Pk Hr Factor			0.743	0.769	0.619							
7 - 9 Volume	0	0	104	116	220		4 - 6 Volume	0	0	150	53	203							
7 - 9 Peak Hour			7:15	7:30	7:15		4 - 6 Peak Hour			16:00	17:00	16:30							
7 - 9 Pk Volume	0	0	62	62	120		4 - 6 Pk Volume	0	0	84	33	110							
Pk Hr Factor	0.000	0.000	0.816	0.861	0.833		Pk Hr Factor	0.000	0.000	0.840	0.750	0.887							

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-001

Day: Wednesday

City: Riverside

Date: 11/19/2014

AM													
NS/EW Streets:	Driveway			Driveway			Diana Ave			Diana Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	0	0	0	1	0	0	1	0	0	1	0	
7:00 AM	0	0	0	0	0	0	0	15	0	0	22	0	37
7:15 AM	0	0	0	0	0	0	0	25	0	0	23	0	48
7:30 AM	0	0	0	0	0	0	0	22	0	0	33	0	55
7:45 AM	0	0	0	0	0	0	1	32	0	0	41	2	76
8:00 AM	0	0	0	0	0	0	1	29	0	0	37	0	67
8:15 AM	0	0	0	0	0	0	0	20	0	0	41	0	61
8:30 AM	0	0	0	0	0	0	0	13	0	0	30	1	44
8:45 AM	0	0	0	0	0	1	3	22	0	0	30	0	56
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	0	0	0	0	1	5	178	0	0	257	3	444
	#DIV/0!	#DIV/0!	#DIV/0!	0.00%	0.00%	100.00%	2.73%	97.27%	0.00%	0.00%	98.85%	1.15%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	0	0	0	0	0	0	2	103	0	0	152	2	259
PEAK HR FACTOR :	0.000			0.000			0.795			0.895			0.852

CONTROL : No Control

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-001

Day: Wednesday

City: Riverside

Date: 11/19/2014

PM													
NS/EW Streets:	Driveway			Driveway			Diana Ave			Diana Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	0	0	0	1	0	0	1	0	0	1	0	
4:00 PM	0	0	0	1	0	0	0	33	0	0	21	0	55
4:15 PM	0	0	0	0	0	0	0	24	0	0	21	0	45
4:30 PM	0	0	0	0	0	0	0	38	0	0	32	0	70
4:45 PM	0	0	0	0	0	2	1	33	0	0	29	1	66
5:00 PM	0	0	0	0	0	0	0	26	0	0	40	0	66
5:15 PM	0	0	0	0	0	0	2	39	0	0	30	0	71
5:30 PM	0	0	0	0	0	0	1	28	0	0	20	1	50
5:45 PM	0	0	0	0	0	0	2	41	0	0	23	3	69
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	0	0	1	0	2	6	262	0	0	216	5	492
	#DIV/0!	#DIV/0!	#DIV/0!	33.33%	0.00%	66.67%	2.24%	97.76%	0.00%	0.00%	97.74%	2.26%	
PEAK HR START TIME :	430 PM												TOTAL
PEAK HR VOL :	0	0	0	0	0	2	3	136	0	0	131	1	273
PEAK HR FACTOR :	0.000			0.250			0.848			0.825			0.961

CONTROL : No Control

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-002

Day: Wednesday

City: Riverside

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			Diana Ave			Diana Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	2	0	0	3	0	0	0	1	0	0	1	
7:00 AM	0	241	3	0	165	18	0	0	8	0	0	2	437
7:15 AM	1	294	0	0	204	10	0	0	14	0	0	1	524
7:30 AM	2	317	4	0	212	10	0	0	12	0	0	5	562
7:45 AM	1	402	3	0	220	16	0	0	19	0	0	5	666
8:00 AM	2	395	3	1	209	16	0	0	17	0	0	6	649
8:15 AM	4	297	8	0	209	11	0	0	10	0	0	2	541
8:30 AM	4	211	3	0	173	7	0	0	9	0	0	2	409
8:45 AM	4	226	2	0	138	10	0	0	15	0	0	6	401
TOTAL VOLUMES :	NL 18	NT 2383	NR 26	SL 1	ST 1530	SR 98	EL 0	ET 0	ER 104	WL 0	WT 0	WR 29	TOTAL 4189
APPROACH %'s :	0.74%	98.19%	1.07%	0.06%	93.92%	6.02%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	9	1411	18	1	850	53	0	0	58	0	0	18	2418
PEAK HR FACTOR :	0.885			0.958			0.763			0.750			0.908

CONTROL : 2 Way Stop (EB & WB)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-002

Day: Wednesday

City: Riverside

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			Diana Ave			Diana Ave			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	2	0	0	3	0	0	0	1	0	0	1	
4:00 PM	0	221	6	0	207	3	0	0	19	0	0	3	459
4:15 PM	1	267	14	0	208	3	0	0	16	0	0	5	514
4:30 PM	1	247	2	0	234	5	0	0	25	0	0	1	515
4:45 PM	0	272	13	0	230	7	0	0	24	0	0	3	549
5:00 PM	2	251	8	0	234	9	1	0	13	0	0	3	521
5:15 PM	0	268	11	0	270	6	0	0	17	0	0	1	573
5:30 PM	0	257	8	0	237	6	0	0	17	0	0	4	529
5:45 PM	1	286	8	0	211	9	0	0	18	0	0	3	536
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	5	2069	70	0	1831	48	1	0	149	0	0	23	4196
	0.23%	96.50%	3.26%	0.00%	97.45%	2.55%	0.67%	0.00%	99.33%	0.00%	0.00%	100.00%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	2	1048	40	0	971	28	1	0	71	0	0	11	2172
PEAK HR FACTOR :	0.956			0.905			0.750			0.688			0.948

CONTROL : 2 Way Stop (EB & WB)

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

TOTALS

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
7:00 AM	37	129	0	0	111	71	0	0	0	62	0	112	522
7:15 AM	52	156	0	0	125	87	0	0	0	70	1	139	630
7:30 AM	58	202	0	0	131	96	0	0	0	88	0	127	702
7:45 AM	66	218	0	0	144	93	0	0	0	84	0	183	788
8:00 AM	52	183	0	0	117	113	0	0	0	72	0	223	760
8:15 AM	57	160	0	0	123	94	0	0	0	56	0	147	637
8:30 AM	50	139	0	0	97	86	0	0	0	64	1	82	519
8:45 AM	62	112	0	0	87	64	0	0	0	73	1	117	516
TOTAL VOLUMES :	NL 434	NT 1299	NR 0	SL 0	ST 935	SR 704	EL 0	ET 0	ER 0	WL 569	WT 3	WR 1130	TOTAL 5074
APPROACH %'s :	25.04%	74.96%	0.00%	0.00%	57.05%	42.95%	#DIV/0!	#DIV/0!	#DIV/0!	33.43%	0.18%	66.39%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	233	763	0	0	515	396	0	0	0	300	0	680	2887
PEAK HR FACTOR :	0.877			0.961			0.000			0.831			0.916

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

Cars

Date: 11/19/2014

AM

NS/EW Streets:		Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
		NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:		NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
7:00 AM		34	122	0	0	108	69	0	0	0	58	0	110	501
7:15 AM		48	153	0	0	124	86	0	0	0	70	1	139	621
7:30 AM		56	200	0	0	131	96	0	0	0	86	0	126	695
7:45 AM		58	216	0	0	140	90	0	0	0	84	0	183	771
8:00 AM		50	178	0	0	115	112	0	0	0	70	0	221	746
8:15 AM		55	158	0	0	120	94	0	0	0	54	0	144	625
8:30 AM		50	139	0	0	94	85	0	0	0	64	0	80	512
8:45 AM		56	110	0	0	82	64	0	0	0	73	1	113	499
TOTAL VOLUMES :		NL 407	NT 1276	NR 0	SL 0	ST 914	SR 696	EL 0	ET 0	ER 0	WL 559	WT 2	WR 1116	TOTAL 4970
APPROACH %'s :		24.18%	75.82%	0.00%	0.00%	56.77%	43.23%	#DIV/0!	#DIV/0!	#DIV/0!	33.33%	0.12%	66.55%	
PEAK HR START TIME :		730 AM												TOTAL
PEAK HR VOL :		219	752	0	0	506	392	0	0	0	294	0	674	2837
PEAK HR FACTOR :		0.886			0.976			0.000			0.832			0.920

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

2 Axle Trucks

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
7:00 AM	0	2	0	0	3	1	0	0	0	1	0	0	7
7:15 AM	4	1	0	0	1	1	0	0	0	0	0	0	7
7:30 AM	0	1	0	0	0	0	0	0	0	2	0	0	3
7:45 AM	2	1	0	0	2	1	0	0	0	0	0	0	6
8:00 AM	1	4	0	0	1	0	0	0	0	2	0	0	8
8:15 AM	1	1	0	0	2	0	0	0	0	1	0	1	6
8:30 AM	0	0	0	0	1	0	0	0	0	0	1	1	3
8:45 AM	4	1	0	0	1	0	0	0	0	0	0	3	9
TOTAL VOLUMES :	NL 12	NT 11	NR 0	SL 0	ST 11	SR 3	EL 0	ET 0	ER 0	WL 6	WT 1	WR 5	TOTAL 49
APPROACH %'s :	52.17%	47.83%	0.00%	0.00%	78.57%	21.43%	#DIV/0!	#DIV/0!	#DIV/0!	50.00%	8.33%	41.67%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	4	7	0	0	5	1	0	0	0	5	0	1	23
PEAK HR FACTOR :	0.550			0.500			0.000			0.750			0.920

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

3 Axle Trucks

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
7:00 AM	0	5	0	0	0	1	0	0	0	2	0	2	10
7:15 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:30 AM	0	1	0	0	0	0	0	0	0	0	0	1	2
7:45 AM	4	0	0	0	2	2	0	0	0	0	0	0	8
8:00 AM	0	0	0	0	0	1	0	0	0	0	0	2	3
8:15 AM	0	0	0	0	1	0	0	0	0	1	0	1	3
8:30 AM	0	0	0	0	2	1	0	0	0	0	0	0	3
8:45 AM	1	0	0	0	3	0	0	0	0	0	0	0	4
TOTAL VOLUMES :	NL 5	NT 8	NR 0	SL 0	ST 8	SR 5	EL 0	ET 0	ER 0	WL 3	WT 0	WR 6	TOTAL 35
APPROACH %'s :	38.46%	61.54%	0.00%	0.00%	61.54%	38.46%	#DIV/0!	#DIV/0!	#DIV/0!	33.33%	0.00%	66.67%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	4	1	0	0	3	3	0	0	0	1	0	4	16
PEAK HR FACTOR :	0.313			0.375			0.000			0.625			0.920

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

4 Axle+ Trucks

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
7:00 AM	3	0	0	0	0	0	0	0	0	1	0	0	4
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	2	0	0	0	0	0	0	0	0	0	0	0	2
7:45 AM	2	1	0	0	0	0	0	0	0	0	0	0	3
8:00 AM	1	1	0	0	1	0	0	0	0	0	0	0	3
8:15 AM	1	1	0	0	0	0	0	0	0	0	0	1	3
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	1
8:45 AM	1	1	0	0	1	0	0	0	0	0	0	1	4
TOTAL VOLUMES :	NL 10	NT 4	NR 0	SL 0	ST 2	SR 0	EL 0	ET 0	ER 0	WL 1	WT 0	WR 3	TOTAL 20
APPROACH %'s :	71.43%	28.57%	0.00%	0.00%	100.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!	25.00%	0.00%	75.00%	
PEAK HR START TIME :	730 AM												TOTAL
PEAK HR VOL :	6	3	0	0	1	0	0	0	0	0	0	1	11
PEAK HR FACTOR :	0.750			0.250			0.000			0.250			0.920

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

TOTALS

Date: 11/19/2014

PM

NS/EW Streets:		Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
		NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:		NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
4:00 PM		96	148	0	0	149	81	0	0	0	49	0	83	606
4:15 PM		67	170	0	0	137	84	0	0	0	50	0	110	618
4:30 PM		84	156	0	0	163	98	0	0	0	45	0	97	643
4:45 PM		76	166	0	0	152	100	0	0	0	47	0	116	657
5:00 PM		106	179	0	0	158	91	0	0	0	56	0	85	675
5:15 PM		87	183	0	0	177	107	0	0	0	38	1	93	686
5:30 PM		80	179	0	0	166	90	0	0	0	48	0	84	647
5:45 PM		61	178	0	0	151	76	0	0	0	40	0	119	625
TOTAL VOLUMES :		NL 657	NT 1359	NR 0	SL 0	ST 1253	SR 727	EL 0	ET 0	ER 0	WL 373	WT 1	WR 787	TOTAL 5157
APPROACH %'s :		32.59%	67.41%	0.00%	0.00%	63.28%	36.72%	#DIV/0!	#DIV/0!	#DIV/0!	32.13%	0.09%	67.79%	
PEAK HR START TIME :		445 PM												TOTAL
PEAK HR VOL :		349	707	0	0	653	388	0	0	0	189	1	378	2665
PEAK HR FACTOR :		0.926			0.916			0.000			0.871			0.971

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

Cars

Date: 11/19/2014

PM

NS/EW Streets:		Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
		NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:		NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
4:00 PM		95	142	0	0	147	79	0	0	0	48	0	82	593
4:15 PM		66	170	0	0	137	83	0	0	0	50	0	109	615
4:30 PM		82	154	0	0	159	96	0	0	0	43	0	97	631
4:45 PM		72	162	0	0	151	99	0	0	0	44	0	115	643
5:00 PM		105	175	0	0	158	91	0	0	0	53	0	83	665
5:15 PM		86	181	0	0	175	107	0	0	0	38	1	92	680
5:30 PM		79	175	0	0	164	90	0	0	0	48	0	84	640
5:45 PM		61	176	0	0	148	76	0	0	0	39	0	119	619
TOTAL VOLUMES :		646	1335	0	0	1239	721	0	0	0	363	1	781	5086
APPROACH %'s :		32.61%	67.39%	0.00%	0.00%	63.21%	36.79%	#DIV/0!	#DIV/0!	#DIV/0!	31.70%	0.09%	68.21%	
PEAK HR START TIME :		445 PM												TOTAL
PEAK HR VOL :		342	693	0	0	648	387	0	0	0	183	1	374	2628
PEAK HR FACTOR :		0.924			0.918			0.000			0.877			0.966

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

2 Axle Trucks

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
4:00 PM	0	1	0	0	2	2	0	0	0	0	0	0	5
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	1	1	0	0	2	2	0	0	0	0	0	0	6
4:45 PM	2	3	0	0	0	1	0	0	0	2	0	0	8
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	1
5:15 PM	1	1	0	0	2	0	0	0	0	0	0	0	4
5:30 PM	1	4	0	0	2	0	0	0	0	0	0	0	7
5:45 PM	0	2	0	0	2	0	0	0	0	0	0	0	4
TOTAL VOLUMES :	NL 5	NT 12	NR 0	SL 0	ST 10	SR 5	EL 0	ET 0	ER 0	WL 2	WT 0	WR 1	TOTAL 35
APPROACH %'s :	29.41%	70.59%	0.00%	0.00%	66.67%	33.33%	#DIV/0!	#DIV/0!	#DIV/0!	66.67%	0.00%	33.33%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	4	8	0	0	4	1	0	0	0	2	0	1	20
PEAK HR FACTOR :	0.600			0.625			0.000			0.375			0.966

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

3 Axle Trucks

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
4:00 PM	1	3	0	0	0	0	0	0	0	0	0	0	4
4:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	1
4:30 PM	0	1	0	0	2	0	0	0	0	2	0	0	5
4:45 PM	0	1	0	0	1	0	0	0	0	0	0	1	3
5:00 PM	1	1	0	0	0	0	0	0	0	1	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL VOLUMES :	NL 2	NT 6	NR 0	SL 0	ST 3	SR 1	EL 0	ET 0	ER 0	WL 4	WT 0	WR 1	TOTAL 17
APPROACH %'s :	25.00%	75.00%	0.00%	0.00%	75.00%	25.00%	#DIV/0!	#DIV/0!	#DIV/0!	80.00%	0.00%	20.00%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	1	2	0	0	1	0	0	0	0	1	0	1	6
PEAK HR FACTOR :	0.375			0.250			0.000			0.500			0.966

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-003

Day: Wednesday

City: Riverside

4 Axle+ Trucks

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 WB Ramps			SR-91 WB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 0	ST 3	SR 0	EL 0	ET 0	ER 0	WL 0.5	WT 0	WR 1.5	TOTAL
4:00 PM	0	2	0	0	0	0	0	0	0	1	0	1	4
4:15 PM	1	0	0	0	0	0	0	0	0	0	0	1	2
4:30 PM	1	0	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	2	0	0	0	0	0	0	0	0	1	0	0	3
5:00 PM	0	3	0	0	0	0	0	0	0	2	0	1	6
5:15 PM	0	1	0	0	0	0	0	0	0	0	0	1	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	1	1	0	0	0	0	0	0	2
TOTAL VOLUMES :	NL 4	NT 6	NR 0	SL 0	ST 1	SR 1	EL 0	ET 0	ER 0	WL 4	WT 0	WR 4	TOTAL 20
APPROACH %'s :	40.00%	60.00%	0.00%	0.00%	50.00%	50.00%	#DIV/0!	#DIV/0!	#DIV/0!	50.00%	0.00%	50.00%	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	2	4	0	0	0	0	0	0	0	3	0	2	11
PEAK HR FACTOR :	0.500			0.000			0.000			0.417			0.966

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

TOTALS

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
7:00 AM	0	71	58	71	103	0	92	4	108	0	0	0	507
7:15 AM	0	120	67	76	119	0	93	8	118	0	0	0	601
7:30 AM	0	149	64	65	153	0	105	5	107	0	0	0	648
7:45 AM	0	199	37	63	167	0	92	1	114	0	0	0	673
8:00 AM	0	131	38	55	132	0	97	1	137	0	0	0	591
8:15 AM	0	129	63	69	112	0	90	1	114	0	0	0	578
8:30 AM	0	99	32	46	111	0	87	0	108	0	0	0	483
8:45 AM	0	101	46	45	118	0	71	0	80	0	0	0	461
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	999	405	490	1015	0	727	20	886	0	0	0	4542
	0.00%	71.15%	28.85%	32.56%	67.44%	0.00%	44.52%	1.22%	54.26%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	0	599	206	259	571	0	387	15	476	0	0	0	2513
PEAK HR FACTOR :	0.853			0.902			0.934			0.000			0.934

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

Cars

Date: 11/19/2014

AM

NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
7:00 AM	0	61	57	68	96	0	92	4	108	0	0	0	486
7:15 AM	0	115	65	76	119	0	91	8	116	0	0	0	590
7:30 AM	0	144	61	65	150	0	104	5	102	0	0	0	631
7:45 AM	0	193	37	62	165	0	90	1	112	0	0	0	660
8:00 AM	0	129	36	55	127	0	94	1	134	0	0	0	576
8:15 AM	0	125	61	66	110	0	88	0	108	0	0	0	558
8:30 AM	0	99	30	46	108	0	87	0	100	0	0	0	470
8:45 AM	0	95	45	45	114	0	68	0	77	0	0	0	444
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	961	392	483	989	0	714	19	857	0	0	0	4415
	0.00%	71.03%	28.97%	32.81%	67.19%	0.00%	44.91%	1.19%	53.90%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	0	581	199	258	561	0	379	15	464	0	0	0	2457
PEAK HR FACTOR :	0.848			0.902			0.937			0.000			0.931

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

2 Axle Trucks

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
7:00 AM	0	1	1	2	3	0	0	0	0	0	0	0	7
7:15 AM	0	3	0	0	0	0	2	0	2	0	0	0	7
7:30 AM	0	2	1	0	3	0	0	0	4	0	0	0	10
7:45 AM	0	1	0	1	1	0	1	0	2	0	0	0	6
8:00 AM	0	1	0	0	3	0	2	0	2	0	0	0	8
8:15 AM	0	3	1	2	1	0	1	1	1	0	0	0	10
8:30 AM	0	0	2	0	1	0	0	0	5	0	0	0	8
8:45 AM	0	4	0	0	1	0	2	0	2	0	0	0	9
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	15	5	5	13	0	8	1	18	0	0	0	65
	0.00%	75.00%	25.00%	27.78%	72.22%	0.00%	29.63%	3.70%	66.67%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	0	7	1	1	7	0	5	0	10	0	0	0	31
PEAK HR FACTOR :	0.667			0.667			0.938			0.000			0.931

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

3 Axle Trucks

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
7:00 AM	0	6	0	1	2	0	0	0	0	0	0	0	9
7:15 AM	0	2	0	0	0	0	0	0	0	0	0	0	2
7:30 AM	0	1	0	0	0	0	1	0	0	0	0	0	2
7:45 AM	0	2	0	0	1	0	0	0	0	0	0	0	3
8:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	2
8:15 AM	0	0	0	1	1	0	0	0	2	0	0	0	4
8:30 AM	0	0	0	0	2	0	0	0	2	0	0	0	4
8:45 AM	0	0	0	0	2	0	0	0	0	0	0	0	2
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	12	0	2	9	0	1	0	4	0	0	0	28
	0.00%	100.00%	0.00%	18.18%	81.82%	0.00%	20.00%	0.00%	80.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	0	6	0	0	2	0	1	0	0	0	0	0	9
PEAK HR FACTOR :	0.750			0.500			0.250			0.000			0.931

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

4 Axle+ Trucks

Date: 11/19/2014

AM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
7:00 AM	0	3	0	0	2	0	0	0	0	0	0	0	5
7:15 AM	0	0	2	0	0	0	0	0	0	0	0	0	2
7:30 AM	0	2	2	0	0	0	0	0	1	0	0	0	5
7:45 AM	0	3	0	0	0	0	1	0	0	0	0	0	4
8:00 AM	0	0	2	0	1	0	1	0	1	0	0	0	5
8:15 AM	0	1	1	0	0	0	1	0	3	0	0	0	6
8:30 AM	0	0	0	0	0	0	0	0	1	0	0	0	1
8:45 AM	0	2	1	0	1	0	1	0	1	0	0	0	6
TOTAL VOLUMES :	NL 0	NT 11	NR 8	SL 0	ST 4	SR 0	EL 4	ET 0	ER 7	WL 0	WT 0	WR 0	TOTAL 34
APPROACH %'s :	0.00%	57.89%	42.11%	0.00%	100.00%	0.00%	36.36%	0.00%	63.64%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	715 AM												TOTAL
PEAK HR VOL :	0	5	6	0	1	0	2	0	2	0	0	0	16
PEAK HR FACTOR :	0.688			0.250			0.500			0.000			0.931

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

TOTALS

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
4:00 PM	0	158	71	86	115	0	84	0	74	0	0	0	588
4:15 PM	0	132	58	80	113	0	110	0	71	0	0	0	564
4:30 PM	0	139	68	74	128	0	98	0	73	0	0	0	580
4:45 PM	0	138	72	90	111	0	106	0	99	0	0	0	616
5:00 PM	0	167	82	84	125	0	112	2	100	0	0	0	672
5:15 PM	0	167	74	94	125	0	113	2	102	0	0	0	677
5:30 PM	0	141	62	90	121	0	109	4	92	0	0	0	619
5:45 PM	0	134	41	78	118	0	108	5	113	0	0	0	597
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	1176	528	676	956	0	840	13	724	0	0	0	4913
	0.00%	69.01%	30.99%	41.42%	58.58%	0.00%	53.27%	0.82%	45.91%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	613	290	358	482	0	440	8	393	0	0	0	2584
PEAK HR FACTOR :	0.907			0.959			0.969			0.000			0.954

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

Cars

Date: 11/19/2014

PM

NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
4:00 PM	0	153	71	84	112	0	84	0	74	0	0	0	578
4:15 PM	0	129	57	79	113	0	110	0	69	0	0	0	557
4:30 PM	0	133	68	72	127	0	98	0	70	0	0	0	568
4:45 PM	0	135	70	87	108	0	103	0	98	0	0	0	601
5:00 PM	0	163	81	83	122	0	112	2	100	0	0	0	663
5:15 PM	0	163	74	94	124	0	113	2	102	0	0	0	672
5:30 PM	0	139	61	89	121	0	108	4	91	0	0	0	613
5:45 PM	0	133	40	77	115	0	106	5	112	0	0	0	588
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	1148	522	665	942	0	834	13	716	0	0	0	4840
	0.00%	68.74%	31.26%	41.38%	58.62%	0.00%	53.36%	0.83%	45.81%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	600	286	353	475	0	436	8	391	0	0	0	2549
PEAK HR FACTOR :	0.908			0.950			0.962			0.000			0.948

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

2 Axle Trucks

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
4:00 PM	0	0	0	2	0	0	0	0	0	0	0	0	2
4:15 PM	0	1	1	1	0	0	0	0	1	0	0	0	4
4:30 PM	0	3	0	1	0	0	0	0	1	0	0	0	5
4:45 PM	0	0	1	2	0	0	4	0	0	0	0	0	7
5:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
5:15 PM	0	3	0	0	1	0	0	0	0	0	0	0	4
5:30 PM	0	2	1	1	0	0	1	0	0	0	0	0	5
5:45 PM	0	1	1	1	2	0	2	0	0	0	0	0	7
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	10	4	8	4	0	7	0	2	0	0	0	35
	0.00%	71.43%	28.57%	66.67%	33.33%	0.00%	77.78%	0.00%	22.22%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	5	2	3	2	0	5	0	0	0	0	0	17
PEAK HR FACTOR :	0.583			0.625			0.313			0.000			0.948

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

3 Axle Trucks

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
4:00 PM	0	3	0	0	1	0	0	0	0	0	0	0	4
4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	2	0	1	1	0	0	0	0	0	0	0	4
4:45 PM	0	0	0	1	2	0	0	0	0	0	0	0	3
5:00 PM	0	2	0	1	0	0	0	0	0	0	0	0	3
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	1	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	8	0	3	4	0	0	0	1	0	0	0	16
	0.00%	100.00%	0.00%	42.86%	57.14%	0.00%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	2	0	2	2	0	0	0	1	0	0	0	7
PEAK HR FACTOR :	0.250			0.333			0.250			0.000			0.948

CONTROL : Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Project ID: 14-6205-004

Day: Wednesday

City: Riverside

4 Axle+ Trucks

Date: 11/19/2014

PM													
NS/EW Streets:	Adams St			Adams St			SR-91 EB Ramps			SR-91 EB Ramps			
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	3	0	1	2	0	1	0.5	0.5	0	0	0	
4:00 PM	0	2	0	0	2	0	0	0	0	0	0	0	4
4:15 PM	0	1	0	0	0	0	0	0	1	0	0	0	2
4:30 PM	0	1	0	0	0	0	0	0	2	0	0	0	3
4:45 PM	0	3	1	0	1	0	0	0	1	0	0	0	6
5:00 PM	0	2	1	0	2	0	0	0	0	0	0	0	5
5:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	1	0	0	0	1	0	0	0	2
TOTAL VOLUMES :	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
APPROACH %'s :	0	10	2	0	6	0	0	0	5	0	0	0	23
	0.00%	83.33%	16.67%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	#DIV/0!	#DIV/0!	#DIV/0!	
PEAK HR START TIME :	445 PM												TOTAL
PEAK HR VOL :	0	6	2	0	3	0	0	0	1	0	0	0	12
PEAK HR FACTOR :	0.500			0.375			0.250			0.000			0.948

CONTROL : Signalized

APPENDIX B:
LEVEL OF SERVICE CALCULATION WORKSHEETS

Intersection							
Int Delay, s/veh	0.2						
Movement	EBL	EBT		WBT	WBR	SBL	SBR
Vol, veh/h	2	106		156	2	0	0
Conflicting Peds, #/hr	0	0		0	0	0	0
Sign Control	Free	Free		Free	Free	Stop	Stop
RT Channelized	-	None		-	None	-	None
Storage Length	-	-		-	-	0	-
Veh in Median Storage, #	-	0		0	-	0	-
Grade, %	-	0		0	-	0	-
Peak Hour Factor	85	85		85	85	85	85
Heavy Vehicles, %	0	0		0	0	0	0
Mvmt Flow	7	125		184	2	0	0
Major/Minor	Major1		Major2		Minor2		
Conflicting Flow All	186	0		-	0	324	185
Stage 1	-	-		-	-	185	-
Stage 2	-	-		-	-	139	-
Critical Hdwy	4.1	-		-	-	6.4	6.2
Critical Hdwy Stg 1	-	-		-	-	5.4	-
Critical Hdwy Stg 2	-	-		-	-	5.4	-
Follow-up Hdwy	2.2	-		-	-	3.5	3.3
Pot Cap-1 Maneuver	1401	-		-	-	674	862
Stage 1	-	-		-	-	852	-
Stage 2	-	-		-	-	893	-
Platoon blocked, %		-		-	-		
Mov Cap-1 Maneuver	1401	-		-	-	671	862
Mov Cap-2 Maneuver	-	-		-	-	671	-
Stage 1	-	-		-	-	852	-
Stage 2	-	-		-	-	889	-
Approach	EB		WB		SB		
HCM Control Delay, s	0.4		0		0		
HCM LOS	A						
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1		
Capacity (veh/h)	1401	-	-	-	-		
HCM Lane V/C Ratio	0.005	-	-	-	-		
HCM Control Delay (s)	7.6	0	-	-	0		
HCM Lane LOS	A	A	-	-	A		
HCM 95th %tile Q(veh)	0	-	-	-	-		

Riverside Free Methodist Church Demolition Project
2: Diana Avenue & Adams Street

Exsiting Without Project
AM Peak Hour

Intersection												
Int Delay, s/veh	1.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	0	58	0	0	18	9	1429	18	1	861	53
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	64	0	0	20	10	1570	20	1	946	58
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1782	2587	502	1981	2607	795	1004	0	0	1590	0	0
Stage 1	977	977	-	1600	1600	-	-	-	-	-	-	-
Stage 2	805	1610	-	381	1007	-	-	-	-	-	-	-
Critical Hdwy	6.95	6.5	7.1	6.95	6.5	6.9	5.3	-	-	4.1	-	-
Critical Hdwy Stg 1	7.3	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.7	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.65	4	3.9	3.65	4	3.3	3.1	-	-	2.2	-	-
Pot Cap-1 Maneuver	68	26	445	50	25	335	396	-	-	418	-	-
Stage 1	214	332	-	111	167	-	-	-	-	-	-	-
Stage 2	337	165	-	585	321	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	53	20	445	35	19	335	396	-	-	418	-	-
Mov Cap-2 Maneuver	53	20	-	35	19	-	-	-	-	-	-	-
Stage 1	167	330	-	86	130	-	-	-	-	-	-	-
Stage 2	247	129	-	499	319	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	14.4			16.4			1.7			0		
HCM LOS	B			C								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	396	-	-	445	335	418	-	-				
HCM Lane V/C Ratio	0.025	-	-	0.143	0.059	0.003	-	-				
HCM Control Delay (s)	14.3	1.6	-	14.4	16.4	13.6	0	-				
HCM Lane LOS	B	A	-	B	C	B	A	-				
HCM 95th %tile Q(veh)	0.1	-	-	0.5	0.2	0	-	-				

Riverside Free Methodist Church Demolition Project
3: Adams Street & SR-91 Westbound

Exsiting Without Project
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	306	0	686	247	774	0	0	524	400
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1900	1900	1900	1900	0	0	1900	1900
Adj Flow Rate, veh/h				333	310	540	268	841	0	0	570	435
Adj No. of Lanes				0	1	1	1	2	0	0	3	0
Peak Hour Factor				0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %				0	0	0	0	0	0	0	0	0
Cap, veh/h				330	308	3709	302	1725	0	0	1034	888
Arrive On Green				0.34	0.34	0.34	0.33	0.96	0.00	0.00	0.22	0.22
Sat Flow, veh/h				959	893	10767	1810	3705	0	0	4824	3994
Grp Volume(v), veh/h				643	0	540	268	841	0	0	440	565
Grp Sat Flow(s),veh/h/ln				1852	0	10767	1810	1805	0	0	1729	5189
Q Serve(g_s), s				31.0	0.0	3.1	12.6	1.7	0.0	0.0	10.2	8.6
Cycle Q Clear(g_c), s				31.0	0.0	3.1	12.6	1.7	0.0	0.0	10.2	8.6
Prop In Lane				0.52		1.00	1.00		0.00	0.00		0.77
Lane Grp Cap(c), veh/h				638	0	3709	302	1725	0	0	768	1153
V/C Ratio(X)				1.01	0.00	0.15	0.89	0.49	0.00	0.00	0.57	0.49
Avail Cap(c_a), veh/h				638	0	3709	302	1725	0	0	768	1153
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				29.5	0.0	20.4	29.2	1.1	0.0	0.0	31.2	30.5
Incr Delay (d2), s/veh				37.6	0.0	0.1	29.8	1.0	0.0	0.0	3.1	1.5
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),veh/ln				22.4	0.0	9.4	8.8	0.7	0.0	0.0	5.2	12.7
LnGrp Delay(d),s/veh				67.1	0.0	20.4	59.1	2.1	0.0	0.0	34.3	32.0
LnGrp LOS				F		C	E	A			C	C
Approach Vol, veh/h					1183			1109			1005	
Approach Delay, s/veh					45.8			15.8			33.0	
Approach LOS					D			B			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2			5	6		8				
Phs Duration (G+Y+Rc), s		51.0			23.0	28.0		39.0				
Change Period (Y+Rc), s		4.0			4.0	4.0		4.0				
Max Green Setting (Gmax), s		47.0			19.0	24.0		35.0				
Max Q Clear Time (g_c+I1), s		3.7			14.6	12.2		33.0				
Green Ext Time (p_c), s		19.5			0.3	8.6		1.2				
Intersection Summary												
HCM 2010 Ctrl Delay				31.8								
HCM 2010 LOS				C								
Notes												
User approved volume balancing among the lanes for turning movement.												

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations								  			 	
Volume (veh/h)	395	15	488	0	0	0	0	617	213	260	581	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1900	1900				0	1900	1900	1900	1900	0
Adj Flow Rate, veh/h	425	16	525				0	663	229	280	625	0
Adj No. of Lanes	1	1	0				0	3	0	1	2	0
Peak Hour Factor	0.93	0.93	0.93				0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	0	0	0				0	0	0	0	0	0
Cap, veh/h	451	70	2286				0	1061	398	494	2069	0
Arrive On Green	0.25	0.25	0.25				0.00	0.21	0.21	0.36	0.76	0.00
Sat Flow, veh/h	1810	280	9181				0	5197	1883	1810	3705	0
Grp Volume(v), veh/h	425	0	541				0	472	420	280	625	0
Grp Sat Flow(s),veh/h/ln	1810	0	9461				0	1729	3451	1810	1805	0
Q Serve(g_s), s	20.7	0.0	4.1				0.0	11.2	9.8	11.2	4.8	0.0
Cycle Q Clear(g_c), s	20.7	0.0	4.1				0.0	11.2	9.8	11.2	4.8	0.0
Prop In Lane	1.00		0.97				0.00		0.55	1.00		0.00
Lane Grp Cap(c), veh/h	451	0	2356				0	730	729	494	2069	0
V/C Ratio(X)	0.94	0.00	0.23				0.00	0.65	0.58	0.57	0.30	0.00
Avail Cap(c_a), veh/h	583	0	3049				0	730	729	494	2069	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.33	1.33	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.47	0.47	0.00
Uniform Delay (d), s/veh	33.2	0.0	26.9				0.0	32.4	31.9	24.4	5.1	0.0
Incr Delay (d2), s/veh	21.0	0.0	0.0				0.0	4.4	3.3	0.7	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),1/ln	1.00	0.0	10.7				0.0	5.8	10.0	5.6	2.4	0.0
LnGrp Delay(d),s/veh	54.2	0.0	27.0				0.0	36.8	35.2	25.1	5.3	0.0
LnGrp LOS	D		C					D	D	C	A	
Approach Vol, veh/h		966						892			905	
Approach Delay, s/veh		38.9						36.1			11.4	
Approach LOS		D						D			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	32.6	27.0		30.4		59.6						
Change Period (Y+Rc), s	4.0	4.0		4.0		4.0						
Max Green Setting (Gmax), s	22.0	23.0		33.0		49.0						
Max Q Clear Time (g_c+1/3), s	13.2	13.2		22.7		6.8						
Green Ext Time (p_c), s	3.4	4.0		3.7		5.9						
Intersection Summary												
HCM 2010 Ctrl Delay			29.0									
HCM 2010 LOS			C									

Riverside Free Methodist Church Demolition Project
1: Diana Avenue & Project Driveway

Existing Without Project
PM Peak Hour

Intersection						
Int Delay, s/veh	0.3					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	3	137	132	1	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	9	143	138	1	0	2
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	139	0	-	0	299	138
Stage 1	-	-	-	-	138	-
Stage 2	-	-	-	-	161	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1457	-	-	-	697	916
Stage 1	-	-	-	-	894	-
Stage 2	-	-	-	-	873	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1457	-	-	-	692	916
Mov Cap-2 Maneuver	-	-	-	-	692	-
Stage 1	-	-	-	-	894	-
Stage 2	-	-	-	-	867	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.5		0		8.9	
HCM LOS					A	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1457	-	-	-	916	
HCM Lane V/C Ratio	0.006	-	-	-	0.002	
HCM Control Delay (s)	7.5	0	-	-	8.9	
HCM Lane LOS	A	A	-	-	A	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Riverside Free Methodist Church Demolition Project
2: Diana Avenue & Adams Street

Existing Without Project
PM Peak Hour

Intersection												
Int Delay, s/veh	0.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	1	0	71	0	0	11	2	1060	40	0	982	28
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	1	0	75	0	0	12	2	1116	42	0	1034	29
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1610	2210	532	1554	2204	579	1063	0	0	1158	0	0
Stage 1	1048	1048	-	1141	1141	-	-	-	-	-	-	-
Stage 2	562	1162	-	413	1063	-	-	-	-	-	-	-
Critical Hdwy	6.95	6.5	7.1	6.95	6.5	6.9	5.3	-	-	4.1	-	-
Critical Hdwy Stg 1	7.3	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.7	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.65	4	3.9	3.65	4	3.3	3.1	-	-	2.2	-	-
Pot Cap-1 Maneuver	89	45	425	98	45	463	371	-	-	611	-	-
Stage 1	191	307	-	212	278	-	-	-	-	-	-	-
Stage 2	469	272	-	560	302	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	86	44	425	80	44	463	371	-	-	611	-	-
Mov Cap-2 Maneuver	86	44	-	80	44	-	-	-	-	-	-	-
Stage 1	188	307	-	209	274	-	-	-	-	-	-	-
Stage 2	450	268	-	462	302	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	15.3			13			0.1			0		
HCM LOS	C			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	371	-	-	425	463	611	-	-				
HCM Lane V/C Ratio	0.006	-	-	0.176	0.025	-	-	-				
HCM Control Delay (s)	14.8	0.1	-	15.3	13	0	-	-				
HCM Lane LOS	B	A	-	C	B	A	-	-				
HCM 95th %tile Q(veh)	0	-	-	0.6	0.1	0	-	-				

Riverside Free Methodist Church Demolition Project
3: Adams Street & SR-91 Westbound

Existing Without Project
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	195	1	382	356	721	0	0	658	389
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1900	1900	1900	1900	0	0	1900	1900
Adj Flow Rate, veh/h				201	145	298	367	743	0	0	678	401
Adj No. of Lanes				0	1	1	1	2	0	0	3	0
Peak Hour Factor				0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %				0	0	0	0	0	0	0	0	0
Cap, veh/h				155	112	1553	583	2447	0	0	1286	809
Arrive On Green				0.14	0.14	0.14	0.64	1.00	0.00	0.00	0.27	0.27
Sat Flow, veh/h				1073	774	10767	1810	3705	0	0	4993	3035
Grp Volume(v), veh/h				346	0	298	367	743	0	0	498	581
Grp Sat Flow(s),veh/h/ln				1846	0	10767	1810	1805	0	0	1729	4399
Q Serve(g_s), s				13.0	0.0	2.2	10.9	0.0	0.0	0.0	11.1	10.0
Cycle Q Clear(g_c), s				13.0	0.0	2.2	10.9	0.0	0.0	0.0	11.1	10.0
Prop In Lane				0.58		1.00	1.00		0.00	0.00		0.69
Lane Grp Cap(c), veh/h				266	0	1553	583	2447	0	0	922	1173
V/C Ratio(X)				1.30	0.00	0.19	0.63	0.30	0.00	0.00	0.54	0.50
Avail Cap(c_a), veh/h				390	0	2273	583	2447	0	0	922	1173
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.32	0.32	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				38.5	0.0	33.9	12.8	0.0	0.0	0.0	28.3	27.9
Incr Delay (d2), s/veh				155.4	0.0	0.1	0.7	0.1	0.0	0.0	2.3	1.5
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),veh/ln				18.1	0.0	6.6	5.4	0.0	0.0	0.0	5.5	12.6
LnGrp Delay(d),s/veh				193.9	0.0	33.9	13.5	0.1	0.0	0.0	30.5	29.4
LnGrp LOS				F		C	B	A			C	C
Approach Vol, veh/h					644			1110			1079	
Approach Delay, s/veh					119.9			4.5			29.9	
Approach LOS					F			A			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2			5	6		8				
Phs Duration (G+Y+Rc), s		69.0			37.0	32.0		21.0				
Change Period (Y+Rc), s		4.0			4.0	4.0		4.0				
Max Green Setting (Gmax), s		59.0			27.0	28.0		23.0				
Max Q Clear Time (g_c+I1), s		2.0			12.9	13.1		15.0				
Green Ext Time (p_c), s		7.8			5.5	6.4		2.0				
Intersection Summary												
HCM 2010 Ctrl Delay				40.4								
HCM 2010 LOS				D								
Notes												
User approved volume balancing among the lanes for turning movement.												

Riverside Free Methodist Church Demolition Project
4: Adams Street & SR-91 Eastbound

Existing Without Project
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations								  			 	
Volume (veh/h)	446	8	395	0	0	0	0	626	294	363	489	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1900	1900				0	1900	1900	1900	1900	0
Adj Flow Rate, veh/h	469	8	416				0	659	309	382	515	0
Adj No. of Lanes	1	1	0				0	3	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0				0	0	0	0	0	0
Cap, veh/h	523	54	2805				0	983	501	442	1925	0
Arrive On Green	0.29	0.29	0.29				0.00	0.20	0.20	0.49	1.00	0.00
Sat Flow, veh/h	1810	187	9709				0	5087	2505	1810	3705	0
Grp Volume(v), veh/h	469	0	424				0	479	489	382	515	0
Grp Sat Flow(s),veh/h/ln	1810	0	9895				0	1729	3963	1810	1805	0
Q Serve(g_s), s	22.4	0.0	2.9				0.0	11.6	10.1	16.8	0.0	0.0
Cycle Q Clear(g_c), s	22.4	0.0	2.9				0.0	11.6	10.1	16.8	0.0	0.0
Prop In Lane	1.00		0.98				0.00		0.63	1.00		0.00
Lane Grp Cap(c), veh/h	523	0	2859				0	692	793	442	1925	0
V/C Ratio(X)	0.90	0.00	0.15				0.00	0.69	0.62	0.86	0.27	0.00
Avail Cap(c_a), veh/h	523	0	2859				0	692	793	442	1925	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	2.00	2.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	30.7	0.0	23.8				0.0	33.4	32.9	21.7	0.0	0.0
Incr Delay (d2), s/veh	20.7	0.0	0.1				0.0	5.6	3.6	19.5	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),14.2/ln	14.2	0.0	7.9				0.0	6.1	11.8	10.7	0.1	0.0
LnGrp Delay(d),s/veh	51.5	0.0	23.9				0.0	39.1	36.4	41.2	0.3	0.0
LnGrp LOS	D		C					D	D	D	A	
Approach Vol, veh/h		893						968			897	
Approach Delay, s/veh		38.4						37.7			17.7	
Approach LOS		D						D			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	30.0	26.0		34.0		56.0						
Change Period (Y+Rc), s	4.0	4.0		4.0		4.0						
Max Green Setting (Gmax), s	26.0	22.0		30.0		52.0						
Max Q Clear Time (g_c+1.9), s	19.8	13.6		24.4		2.0						
Green Ext Time (p_c), s	0.7	5.6		2.2		14.4						
Intersection Summary												
HCM 2010 Ctrl Delay			31.4									
HCM 2010 LOS			C									

Riverside Free Methodist Church Demolition Project
1: Diana Avenue & Project Driveway

Existing With Project
AM Peak Hour

Intersection						
Int Delay, s/veh	0.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	2	106	156	10	2	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	7	125	184	12	2	0
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	195	0	-	0	328	189
Stage 1	-	-	-	-	189	-
Stage 2	-	-	-	-	139	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1390	-	-	-	671	858
Stage 1	-	-	-	-	848	-
Stage 2	-	-	-	-	893	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1390	-	-	-	668	858
Mov Cap-2 Maneuver	-	-	-	-	668	-
Stage 1	-	-	-	-	848	-
Stage 2	-	-	-	-	889	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.4		0		10.4	
HCM LOS					B	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1390	-	-	-	668	
HCM Lane V/C Ratio	0.005	-	-	-	0.004	
HCM Control Delay (s)	7.6	0	-	-	10.4	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Riverside Free Methodist Church Demolition Project
2: Diana Avenue & Adams Street

Existing With Project
AM Peak Hour

Intersection												
Int Delay, s/veh	1.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	0	60	0	0	18	9	1429	18	1	861	61
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	0	0	66	0	0	20	10	1570	20	1	946	67
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1787	2592	507	1981	2615	795	1013	0	0	1590	0	0
Stage 1	982	982	-	1600	1600	-	-	-	-	-	-	-
Stage 2	805	1610	-	381	1015	-	-	-	-	-	-	-
Critical Hdwy	6.95	6.5	7.1	6.95	6.5	6.9	5.3	-	-	4.1	-	-
Critical Hdwy Stg 1	7.3	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.7	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.65	4	3.9	3.65	4	3.3	3.1	-	-	2.2	-	-
Pot Cap-1 Maneuver	68	25	441	50	25	335	392	-	-	418	-	-
Stage 1	213	330	-	111	167	-	-	-	-	-	-	-
Stage 2	337	165	-	585	318	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	53	19	441	35	19	335	392	-	-	418	-	-
Mov Cap-2 Maneuver	53	19	-	35	19	-	-	-	-	-	-	-
Stage 1	166	328	-	86	130	-	-	-	-	-	-	-
Stage 2	246	128	-	495	316	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	14.6			16.4			1.7			0		
HCM LOS	B			C								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	392	-	-	441	335	418	-	-				
HCM Lane V/C Ratio	0.025	-	-	0.15	0.059	0.003	-	-				
HCM Control Delay (s)	14.4	1.6	-	14.6	16.4	13.6	0	-				
HCM Lane LOS	B	A	-	B	C	B	A	-				
HCM 95th %tile Q(veh)	0.1	-	-	0.5	0.2	0	-	-				

Riverside Free Methodist Church Demolition Project
3: Adams Street & SR-91 Westbound

Existing With Project
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	306	0	690	247	778	0	0	525	401
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1900	1900	1900	1900	0	0	1900	1900
Adj Flow Rate, veh/h				333	313	542	268	846	0	0	571	436
Adj No. of Lanes				0	1	1	1	2	0	0	3	0
Peak Hour Factor				0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %				0	0	0	0	0	0	0	0	0
Cap, veh/h				329	309	3709	302	1725	0	0	1034	887
Arrive On Green				0.34	0.34	0.34	0.33	0.96	0.00	0.00	0.22	0.22
Sat Flow, veh/h				955	897	10767	1810	3705	0	0	4824	3993
Grp Volume(v), veh/h				646	0	542	268	846	0	0	440	567
Grp Sat Flow(s),veh/h/ln				1852	0	10767	1810	1805	0	0	1729	5188
Q Serve(g_s), s				31.0	0.0	3.1	12.6	1.8	0.0	0.0	10.2	8.6
Cycle Q Clear(g_c), s				31.0	0.0	3.1	12.6	1.8	0.0	0.0	10.2	8.6
Prop In Lane				0.52		1.00	1.00		0.00	0.00		0.77
Lane Grp Cap(c), veh/h				638	0	3709	302	1725	0	0	768	1153
V/C Ratio(X)				1.01	0.00	0.15	0.89	0.49	0.00	0.00	0.57	0.49
Avail Cap(c_a), veh/h				638	0	3709	302	1725	0	0	768	1153
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				29.5	0.0	20.4	29.2	1.1	0.0	0.0	31.2	30.6
Incr Delay (d2), s/veh				38.8	0.0	0.1	29.8	1.0	0.0	0.0	3.1	1.5
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),veh/ln				22.6	0.0	9.4	8.8	0.7	0.0	0.0	5.2	12.8
LnGrp Delay(d),s/veh				68.3	0.0	20.4	59.1	2.1	0.0	0.0	34.3	32.1
LnGrp LOS				F		C	E	A			C	C
Approach Vol, veh/h					1188			1114			1007	
Approach Delay, s/veh					46.5			15.8			33.0	
Approach LOS					D			B			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2			5	6		8				
Phs Duration (G+Y+Rc), s		51.0			23.0	28.0		39.0				
Change Period (Y+Rc), s		4.0			4.0	4.0		4.0				
Max Green Setting (Gmax), s		47.0			19.0	24.0		35.0				
Max Q Clear Time (g_c+I1), s		3.8			14.6	12.2		33.0				
Green Ext Time (p_c), s		19.6			0.3	8.6		1.2				
Intersection Summary												
HCM 2010 Ctrl Delay			32.1									
HCM 2010 LOS			C									
Notes												
User approved volume balancing among the lanes for turning movement.												

Riverside Free Methodist Church Demolition Project
4: Adams Street & SR-91-Eastbound/SR-91 Eastbound

Existing With Project
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations								  			 	
Volume (veh/h)	399	15	488	0	0	0	0	617	213	261	581	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1900	1900				0	1900	1900	1900	1900	0
Adj Flow Rate, veh/h	429	16	525				0	663	229	281	625	0
Adj No. of Lanes	1	1	0				0	3	0	1	2	0
Peak Hour Factor	0.93	0.93	0.93				0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	0	0	0				0	0	0	0	0	0
Cap, veh/h	454	70	2303				0	1061	398	491	2063	0
Arrive On Green	0.25	0.25	0.25				0.00	0.21	0.21	0.36	0.76	0.00
Sat Flow, veh/h	1810	280	9181				0	5197	1883	1810	3705	0
Grp Volume(v), veh/h	429	0	541				0	472	420	281	625	0
Grp Sat Flow(s),veh/h/ln	1810	0	9461				0	1729	3451	1810	1805	0
Q Serve(g_s), s	21.0	0.0	4.1				0.0	11.2	9.8	11.3	4.9	0.0
Cycle Q Clear(g_c), s	21.0	0.0	4.1				0.0	11.2	9.8	11.3	4.9	0.0
Prop In Lane	1.00		0.97				0.00		0.55	1.00		0.00
Lane Grp Cap(c), veh/h	454	0	2374				0	730	729	491	2063	0
V/C Ratio(X)	0.94	0.00	0.23				0.00	0.65	0.58	0.57	0.30	0.00
Avail Cap(c_a), veh/h	583	0	3049				0	730	729	491	2063	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.33	1.33	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.47	0.47	0.00
Uniform Delay (d), s/veh	33.1	0.0	26.8				0.0	32.4	31.9	24.6	5.2	0.0
Incr Delay (d2), s/veh	21.4	0.0	0.0				0.0	4.4	3.3	0.8	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),162/ln	0.0	0.0	10.7				0.0	5.8	10.0	5.7	2.4	0.0
LnGrp Delay(d),s/veh	54.5	0.0	26.8				0.0	36.8	35.2	25.3	5.4	0.0
LnGrp LOS	D		C					D	D	C	A	
Approach Vol, veh/h		970						892			906	
Approach Delay, s/veh		39.1						36.1			11.6	
Approach LOS		D						D			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	32.4	27.0		30.6		59.4						
Change Period (Y+Rc), s	4.0	4.0		4.0		4.0						
Max Green Setting (Gmax), s	22.0	23.0		33.0		49.0						
Max Q Clear Time (g_c+1/3), s	13.3	13.2		23.0		6.9						
Green Ext Time (p_c), s	3.4	4.0		3.6		5.9						
Intersection Summary												
HCM 2010 Ctrl Delay			29.1									
HCM 2010 LOS			C									

Riverside Free Methodist Church Demolition Project
1: Diana Avenue & Project Driveway

Existing With Project
PM Peak Hour

Intersection						
Int Delay, s/veh	0.6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	3	137	132	3	8	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	9	143	138	3	8	2
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	141	0	-	0	300	139
Stage 1	-	-	-	-	139	-
Stage 2	-	-	-	-	161	-
Critical Hdwy	4.1	-	-	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	2.2	-	-	-	3.5	3.3
Pot Cap-1 Maneuver	1455	-	-	-	696	915
Stage 1	-	-	-	-	893	-
Stage 2	-	-	-	-	873	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1455	-	-	-	691	915
Mov Cap-2 Maneuver	-	-	-	-	691	-
Stage 1	-	-	-	-	893	-
Stage 2	-	-	-	-	867	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.5		0		10	
HCM LOS					B	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1455	-	-	-	727	
HCM Lane V/C Ratio	0.006	-	-	-	0.014	
HCM Control Delay (s)	7.5	0	-	-	10	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0	

Riverside Free Methodist Church Demolition Project
2: Diana Avenue & Adams Street

Existing With Project
PM Peak Hour

Intersection												
Int Delay, s/veh	0.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	1	0	79	0	0	11	2	1060	40	0	982	30
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	0	-	-	0	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	95	95	95	95	95	95	95	95	95	95	95	95
Heavy Vehicles, %	0	0	0	0	0	0	0	0	0	0	0	0
Mvmt Flow	1	0	83	0	0	12	2	1116	42	0	1034	32
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1611	2211	533	1554	2206	579	1065	0	0	1158	0	0
Stage 1	1049	1049	-	1141	1141	-	-	-	-	-	-	-
Stage 2	562	1162	-	413	1065	-	-	-	-	-	-	-
Critical Hdwy	6.95	6.5	7.1	6.95	6.5	6.9	5.3	-	-	4.1	-	-
Critical Hdwy Stg 1	7.3	5.5	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.5	5.5	-	6.7	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.65	4	3.9	3.65	4	3.3	3.1	-	-	2.2	-	-
Pot Cap-1 Maneuver	89	45	425	98	45	463	370	-	-	611	-	-
Stage 1	191	307	-	212	278	-	-	-	-	-	-	-
Stage 2	469	272	-	560	302	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	86	44	425	78	44	463	370	-	-	611	-	-
Mov Cap-2 Maneuver	86	44	-	78	44	-	-	-	-	-	-	-
Stage 1	188	307	-	209	274	-	-	-	-	-	-	-
Stage 2	450	268	-	450	302	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	15.5			13			0.1			0		
HCM LOS	C			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	370	-	-	425	463	611	-	-				
HCM Lane V/C Ratio	0.006	-	-	0.196	0.025	-	-	-				
HCM Control Delay (s)	14.8	0.1	-	15.5	13	0	-	-				
HCM Lane LOS	B	A	-	C	B	A	-	-				
HCM 95th %tile Q(veh)	0	-	-	0.7	0.1	0	-	-				

Riverside Free Methodist Church Demolition Project
3: Adams Street & SR-91 Westbound

Existing With Project
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	195	1	383	356	722	0	0	662	393
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1900	1900	1900	1900	0	0	1900	1900
Adj Flow Rate, veh/h				201	146	298	367	744	0	0	682	405
Adj No. of Lanes				0	1	1	1	2	0	0	3	0
Peak Hour Factor				0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %				0	0	0	0	0	0	0	0	0
Cap, veh/h				155	112	1557	583	2446	0	0	1286	811
Arrive On Green				0.14	0.14	0.14	0.64	1.00	0.00	0.00	0.27	0.27
Sat Flow, veh/h				1070	777	10767	1810	3705	0	0	4993	3040
Grp Volume(v), veh/h				347	0	298	367	744	0	0	500	587
Grp Sat Flow(s),veh/h/ln				1847	0	10767	1810	1805	0	0	1729	4403
Q Serve(g_s), s				13.0	0.0	2.2	10.9	0.0	0.0	0.0	11.2	10.1
Cycle Q Clear(g_c), s				13.0	0.0	2.2	10.9	0.0	0.0	0.0	11.2	10.1
Prop In Lane				0.58		1.00	1.00		0.00	0.00		0.69
Lane Grp Cap(c), veh/h				267	0	1557	583	2446	0	0	922	1174
V/C Ratio(X)				1.30	0.00	0.19	0.63	0.30	0.00	0.00	0.54	0.50
Avail Cap(c_a), veh/h				390	0	2273	583	2446	0	0	922	1174
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.32	0.32	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				38.5	0.0	33.9	12.8	0.0	0.0	0.0	28.3	27.9
Incr Delay (d2), s/veh				155.9	0.0	0.1	0.7	0.1	0.0	0.0	2.3	1.5
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),veh/ln				18.2	0.0	6.6	5.4	0.0	0.0	0.0	5.6	12.7
LnGrp Delay(d),s/veh				194.4	0.0	33.9	13.5	0.1	0.0	0.0	30.6	29.4
LnGrp LOS				F		C	B	A			C	C
Approach Vol, veh/h					645			1111			1087	
Approach Delay, s/veh					120.2			4.5			30.0	
Approach LOS					F			A			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2			5	6		8				
Phs Duration (G+Y+Rc), s		69.0			37.0	32.0		21.0				
Change Period (Y+Rc), s		4.0			4.0	4.0		4.0				
Max Green Setting (Gmax), s		59.0			27.0	28.0		23.0				
Max Q Clear Time (g_c+I1), s		2.0			12.9	13.2		15.0				
Green Ext Time (p_c), s		7.8			5.5	6.4		2.0				
Intersection Summary												
HCM 2010 Ctrl Delay				40.5								
HCM 2010 LOS				D								
Notes												
User approved volume balancing among the lanes for turning movement.												

Riverside Free Methodist Church Demolition Project
4: Adams Street & SR-91 Eastbound

Existing With Project
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations								  			 	
Volume (veh/h)	447	8	395	0	0	0	0	626	294	367	489	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1900	1900				0	1900	1900	1900	1900	0
Adj Flow Rate, veh/h	471	8	416				0	659	309	386	515	0
Adj No. of Lanes	1	1	0				0	3	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	0	0				0	0	0	0	0	0
Cap, veh/h	523	54	2805				0	983	501	442	1925	0
Arrive On Green	0.29	0.29	0.29				0.00	0.20	0.20	0.49	1.00	0.00
Sat Flow, veh/h	1810	187	9709				0	5087	2505	1810	3705	0
Grp Volume(v), veh/h	471	0	424				0	479	489	386	515	0
Grp Sat Flow(s),veh/h/ln	1810	0	9895				0	1729	3963	1810	1805	0
Q Serve(g_s), s	22.5	0.0	2.9				0.0	11.6	10.1	17.1	0.0	0.0
Cycle Q Clear(g_c), s	22.5	0.0	2.9				0.0	11.6	10.1	17.1	0.0	0.0
Prop In Lane	1.00		0.98				0.00		0.63	1.00		0.00
Lane Grp Cap(c), veh/h	523	0	2859				0	692	793	442	1925	0
V/C Ratio(X)	0.90	0.00	0.15				0.00	0.69	0.62	0.87	0.27	0.00
Avail Cap(c_a), veh/h	523	0	2859				0	692	793	442	1925	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	2.00	2.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	30.8	0.0	23.8				0.0	33.4	32.9	21.8	0.0	0.0
Incr Delay (d2), s/veh	21.2	0.0	0.1				0.0	5.6	3.6	20.5	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(-26165%),veh/ln	14.3	0.0	7.9				0.0	6.1	11.8	10.9	0.1	0.0
LnGrp Delay(d),s/veh	52.0	0.0	23.9				0.0	39.1	36.4	42.3	0.3	0.0
LnGrp LOS	D		C					D	D	D	A	
Approach Vol, veh/h		895						968			901	
Approach Delay, s/veh		38.7						37.7			18.3	
Approach LOS		D						D			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2		4		6						
Phs Duration (G+Y+Rc), s	30.0	26.0		34.0		56.0						
Change Period (Y+Rc), s	4.0	4.0		4.0		4.0						
Max Green Setting (Gmax), s	26.0	22.0		30.0		52.0						
Max Q Clear Time (g_c+19.1), s	19.1	13.6		24.5		2.0						
Green Ext Time (p_c), s	0.7	5.6		2.1		14.4						
Intersection Summary												
HCM 2010 Ctrl Delay			31.7									
HCM 2010 LOS			C									