



**NOTICE OF PREPARATION
OF A SUBSEQUENT ENVIRONMENTAL IMPACT
REPORT FOR THE CITY OF CORONA
MANGULAR BLENDING FACILITY PROJECT**

Date: March 27, 2014

To: Office of Planning and Research, Responsible and Trustee Agencies, Other Public Agencies and Other Interested Parties

From: Tom Koper, District Engineer

Subject: Notice of Preparation of a Subsequent Environmental Impact Report for the City of Corona Mangular Blending Facility Project

Project Title: City of Corona Mangular Blending Facility Project

Project Applicant: City of Corona

Notice of Preparation: In compliance with Section 15082(a) of the California Environmental Quality Act (CEQA) Guidelines, the City of Corona, as the Lead Agency, has prepared this Notice of Preparation (NOP) of a Subsequent Environmental Impact Report (EIR) for the City of Corona Mangular Blending Facility Project, which is generally described below. We need to know the views of your agency as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the Project. Your agency may need to use the Subsequent EIR prepared by our agency when considering your permit or other approvals for the project.

All interested federal, State, and local agencies and the public are invited to comment on the scope of the Subsequent EIR. If you are an agency with jurisdiction by law over natural or other public resources affected by the Project, the City of Corona needs to know what environmental information germane to your statutory responsibilities should be included in the Subsequent EIR.

The City of Corona previously certified a Program Environmental Impact Report for the Corona Groundwater Management Plan ("GWMP PEIR"), which evaluated and analyzed the environmental impacts of the management strategies proposed as part of the Corona Groundwater Management Plan. Groundwater blending facilities are one of the management strategies evaluated and analyzed in the GWMP PEIR (Management Strategy #7 -Groundwater Blending Program). Pursuant to Section 15168 and 15162 of the CEQA Guidelines, the City has reviewed the GWMP PEIR and prepared an Initial Study to determine if the Project is within the scope of the GWMP PEIR and whether major revisions to the GWMP PEIR are required due to new significant environmental effects or a substantial increase in the severity of previously identified significant effects.

Based on the findings in the Initial Study, the City has determined that a Subsequent EIR in accordance with Section 15162 of the State CEQA Guidelines will be prepared and will focus on the significant and unavoidable impacts associated with the Project. The issues found to result in no impact less than significant impact, and less than significant impact after the incorporation of mitigation are considered adequately addressed in the Initial Study. The significant and unavoidable impacts that will be addressed in the Subsequent EIR include construction and operational noise.

This NOP and Initial Study provides information describing the project and the potential environmental effects to enable the Office of Planning and Research and the Responsible and Trustee agencies to make a meaningful response to the City of Corona regarding the scope and content of the environmental issues that will be evaluated in the Subsequent EIR. The City of Corona is inviting written comments from the public regarding the scope and content of the environmental issues to be evaluated in the Subsequent EIR.

A complete project description, location, and probable environmental effects are contained in the Initial Study. The Initial Study is available for review at the following website: <http://www.discovercorona.com/City-Departments/Community-Development/Planning-Division.aspx>

Additionally, hardcopies of the Initial Study and NOP are available for public review at the following locations: City of Corona, City Hall, **Community Development Department**, 400 S. Vicentia Avenue, Corona, CA, 92882 and the **Corona Public Library**, 650 S. Main Street, Corona, CA, 92882.

Due to the time limits mandated by State law, **your response to this NOP must be sent at the earliest possible date, but not later than thirty (30) days after receipt of this NOP.** Please send your comments to Vernon Weisman, Senior Utility Engineer, City of Corona Department of Water and Power, 755 Public Safety Way, Corona, CA 92880. Telephone: (951) 739-4912; Email: Vemon.Weisman@ci.corona.ca.us.

Project Description: The City of Corona is proposing the new Mangular Blending Facility to replace the existing Mangular Booster Pump Station (BPS), blending station, and motor control center. The new Mangular Blending Facility will also remove the operational activities associated with the chloramination disinfection facilities at Well 11 (located approximately 1.5 miles north of the project site near Pomona Road and American Circle), and the Border BPS (located approximately 0.25 mile west of the project site at the intersection of Ontario Avenue and Border Avenue). The Project includes demolition of the existing Mangular BPS, which consists of a single potable water booster pump and potable water/well water blending station. The Well 11 disinfection facilities will not be physically modified as part of the Project; however, the disinfection facilities will no longer be operational at Well 11. The project includes replacement disinfection facilities within the proposed building. The new Mangular Blending Facility will include sodium hypochlorite and ammonia storage areas with spill containment facilities, chemical feed equipment, and chemical fill stations.

The proposed Mangular Blending Facility is located near the southwest corner of Mangular Avenue and Ontario Avenue in the City of Corona. The facility will be a one-story, 20-foot high, approximately 3,400 square foot, four-room building, consisting of the following: 1) A generator room that will house an emergency diesel generator; 2) a sodium hypochlorite storage room that contains storage tanks for this chemical along with its associated metering pumps; 3) an ammonia storage room that will contain storage tanks for this chemical, along with its associated metering pumps; 4) and a pump room that will contain five vertical turbine pumps (three duty and two standby).

The project includes the installation of various on-site buried potable water and well water piping from 16-inch to 24-inch diameter, and approximately 190-feet of 20-inch diameter pipeline in Mangular Park from the proposed pump station to the Mangular Avenue right-of-way along the north side of the existing buried water tank. The construction also includes the installation of approximately 500-feet of 20-inch diameter pipeline within the Mangular Avenue right-of-way from the northeast side of the existing buried water tank to the intersection of Mangular Avenue and Potomac Drive.

The Subsequent EIR for the Project and the GWMP PEIR will be used by the City of Corona as the supporting environmental documentation for all Project approvals, including, without limitation: (1) Plans and Specifications; (2) Award of a Construction Contract, and (3) Construction Funding.

For a complete description of the proposed project, please review the Notice of Preparation and a copy of the Initial Study at the website or locations referenced above.

Date: March 27, 2014

Signature:



Title: District Engineer

Address: 755 Public Safety Way, Corona, CA 92880

Telephone: 951.739.4912

E-mail: Tom.Koper@ci.corona.ca.us

Reference: California Administrative Code, Title 14, Sections 15082(a), 15103, 15375.



Initial Study for the Manglar Blending Facility Project City of Corona, California

Prepared for:
City of Corona
Department of Water and Power
755 Public Safety Way
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951.739.4912

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March 27, 2014

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SECTION 1: INTRODUCTION

1.1 - Overview

The City of Corona Department of Water and Power is proposing a new Mangular Blending Facility, which will be constructed within Mangular Park. The existing Mangular Booster Pump Station (BPS) facilities consist of a single potable water booster pump and potable water/well water blending station. The blending station consists of buried piping and a below ground vault housing an electronic control valve (ECV), which is a combination pressure reducing and flow control valve, and two flow meters. The blending station enables high nitrate water from Wells 11A, 12A, 14, 15 and 27 (boosted to a Zone 2 hydraulic grade) to be blended with lower nitrate water from the Zone 3 Lester or Sierra Del Oro water treatment plants. The blended water is discharged into the Zone 2 Mangular Reservoir, which provides suction to the Mangular booster pump for supplying water to the Zone 3 distribution system. Mangular Reservoir has a capacity of 2 million gallons and is a buried concrete tank in Mangular Park with existing tennis courts located on the tank roof. The existing Border Avenue BPS is located west of Mangular Park along Ontario Avenue, which boosts water from Zone 3 to Zone 4.

The proposed project will provide the following benefits:

1. Improves water system reliability and provides emergency backup power
2. Increases operational flexibility
3. Replaces aging equipment at the Mangular Blend Facility and the Border BPS
4. Increases pumping capacity
5. Eliminates confined space entry locations and improves safety
6. Provides facilities for safe delivery and storage of chemicals with chemical spill containment and provides opportunity to remove from service the disinfection facilities at Well 11A which are difficult to maintain and no longer meet City standards
7. Improves security for the public water supply system

1.2 - Purpose

The following environmental evaluation addresses the potential effects associated with the project and whether the potential effects were addressed in the Corona Groundwater Management Plan Program Environmental Impact Report (GWMP PEIR), or whether the potential effects are new significant effects or would require substantial changes to the environmental evaluation provided in the Corona GWMP PEIR.

If the project is expected to result in no impacts on a particular environmental issue, the environmental issue is considered covered within the scope of the Corona GWMP PEIR and no further environmental review will be required for that environmental issue. If the project results in a less than significant impact for a particular environmental issue, the Corona GWMP PEIR is reviewed to determine if the effect was addressed. If the effect was addressed in the PEIR as a less than

significant effect, it is considered covered within the scope of the Corona GWMP PEIR and no further environmental review will be required for that environmental issue. If the project results in a significant effect for a particular environmental issue, the Corona GWMP PEIR is reviewed to determine if the significant effect was addressed in the PEIR as a significant effect and whether the significant effect from the Project is substantially more severe. If the significant effect was addressed in the GWMP PEIR and determined not to be more substantially severe, the mitigation measure or measures in the Corona GWMP PEIR are reviewed. The project is required to implement the mitigation measure or measures that the Corona GWMP PEIR identified for the significant effect. The mitigation measure or measures identified for the project could include more specific requirements as long as the intent of the mitigation measure or measures is consistent with the mitigation measure or measures in the Corona GWMP PEIR, and the impact is reduced to less than significant.

If the significant effect of the project is addressed in Corona GWMP PEIR and determined not to be more substantially severe, and the mitigation measure or measures addressed in the Corona GWMP PEIR are required to be implemented for the project, the effect is considered covered within the scope of Corona GWMP PEIR and no further environmental review will be required for that environmental issue. If all environmental effects identified for the project are considered covered within the scope of the Corona GWMP PEIR, no new environmental document would be required as provided in the California Environmental Quality Act (CEQA) Guidelines Section 15168(c).

Lastly, if the project results in a new significant effect, results in a substantial increase in the severity of previously identified significant effects, or requires a new mitigation measure or measures to reduce the effect to less than significant, a subsequent environmental documentation to the Corona GWMP PEIR is required. A Subsequent Mitigated Negative Declaration (MND) is required if the new significant impact can be reduced to less than significant after the implementation of feasible mitigation measures. A Subsequent EIR is required if the new significant impact cannot be reduced to less than significant after the implementation of feasible mitigation measures.

1.3 - Project Location

The proposed Mangular Blending Facility project is located in the City of Corona at the existing Mangular Park that is south of Ontario Avenue, west of Mangular Avenue, and east of Patriot Way. According to the City of Corona Parks & Facilities, Mangular Park is 3.63 acres and is located at 2200 Mangular Avenue. The proposed construction activities will occur on the east side of Mangular Park, and the proposed Mangular Blending Facility and piping will be located west and north of the existing potable water tank and tennis courts, respectively.

1.4 - Summary of Environmental Effects

Based on the evaluation provided in this Initial Study's Section 4, Discussion of Environmental Evaluation, all environmental effects, except for noise from construction and operational activities, are considered covered within the Corona GWMP PEIR. Therefore, except for noise, no new environmental documentation for the environmental issues is required.

Potential new noise impacts during construction and operational activities that were not addressed in the Corona GWMP PEIR have been found to be potentially significant. Based on an evaluation of the potential noise impacts, mitigation measures are recommended to reduce the potential impact; however, the construction and operational noise impacts would remain significant after the implementation of feasible mitigation measures. These noise issues will be analyzed in a separate environmental document in the form of a Subsequent EIR.

SECTION 2: PROJECT DESCRIPTION

As shown on Exhibit 1, the project site is located near the southwest corner of Mangular Avenue and Ontario Avenue. Exhibit 2 illustrates the project site is at the existing Mangular Park. A portion of the existing park will be used during construction activities as shown in Exhibit 3. The construction staging area will occur on the west side of the proposed Mangular Blending Facility building, the construction of the facility building as well as the access area will be located immediately west of the existing tennis courts as shown in Exhibit 4. The proposed underground piping for the facility will occur north of the tennis courts and the proposed building as shown in Exhibit 4.

The new Mangular Blending Facility will replace the existing Mangular Booster Pump Station (BPS), blending station, and motor control center (MCC). The new Mangular Blending Facility will also remove the operational activities associated with the chloramination disinfection facilities at Well 11A (located approximately 1.5 miles north of the project site near Pomona Road and American Circle), and the Border BPS (located approximately 0.25 mile west of the project site at the intersection of Ontario Avenue and Border Avenue). The Project includes demolition of the existing Mangular BPS, which consists of a single booster pump and blending station. The Well 11A disinfection facilities will not be physically modified as part of the Project; however, the disinfection facilities will no longer be operational at Well 11A. The project includes replacement disinfection facilities within the proposed building. The new Mangular Blending Facility will include a sodium hypochlorite and ammonia storage area and containment and chemical feed and fill stations, as described below.

The proposed Mangular Blending Facility will be a one-story, 20-foot high, approximately 3,400 square foot four-room building, as follows: 1) A generator room that will house an emergency diesel generator; 2) a sodium hypochlorite storage room that contains storage tanks for this chemical along with its associated metering pumps, 3) an ammonia storage room that will contain storage tanks for this chemical, along with its associated metering pumps; 4) and a pump room will contain five vertical turbine pumps (three duty and two standby).

The vertical turbine pumps will be installed in pump suction barrels directly below the pump room, with the pump motors located on top of the pump discharge heads within the room. Various other electrical and control systems will also be located within the new building. The building will be constructed with splitface concrete masonry units (CMU) (i.e., splitface concrete blocks). The building will be ventilated via louvers and roof-mounted exhaust fans; a generator exhaust silencer and diesel particulate filter is proposed on the roof above the generator room. An exterior fuel tank will be located south of the building, and a chemical fill station will be located to the north, adjacent to Ontario Avenue, where it can be accessed by large chemical delivery trucks. The Project will also include a new 500-kilovolt-ampere transformer; this will be installed by Southern California Edison at the same location as the existing transformer, near the intersection of Ontario Avenue and Mangular Avenue.

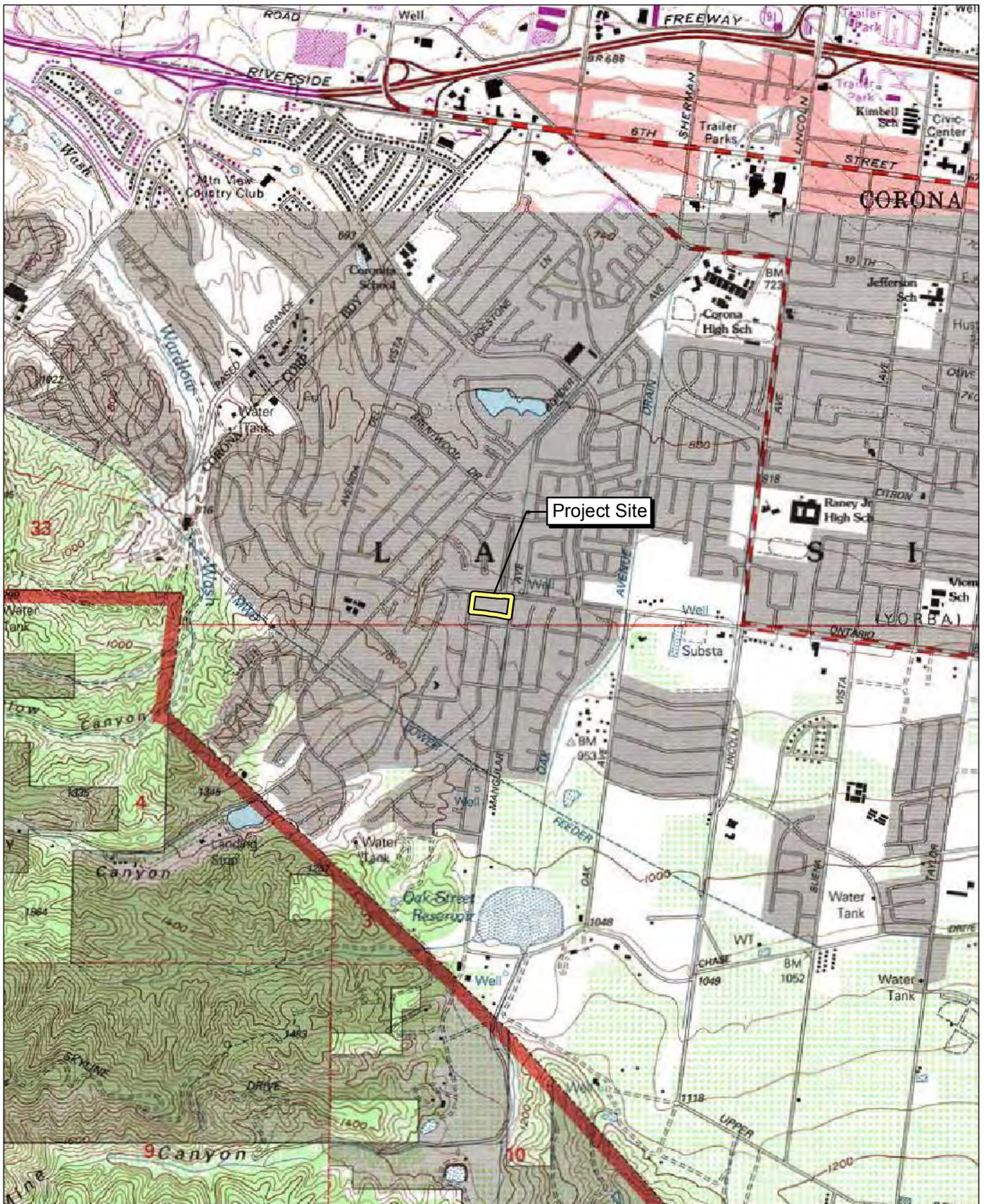
Project Description

Construction of the Project will require demolition and removal of existing facilities, excavation and grading for the new facilities, and construction of the new facilities.

The project consists of construction on-site (i.e., within Mangular Park) and off-site (i.e., within the right-of-way on Ontario Avenue and Mangular Avenue. On-site construction consists of a detour of the existing sidewalk that parallels Ontario Avenue onto the existing path that runs through Mangular Park or to the sidewalk on the north side of Ontario Avenue. The staging area for the construction phase of the project is generally located east of the existing tot lot and west of the existing tennis courts. Within the construction staging area, the following are proposed: a construction trailer, a stockpile area, and a storage area. Approximately 2,200 cubic yards of soils will be exported. The project involves the demolition of existing structures including the existing above ground facilities along Ontario Avenue. The following existing facilities, which are generally located north of the existing tennis courts and south of Ontario Avenue will be demolished: booster pump station vault and hatch, blending vault and hatch, existing nitrate analyzer in cabinet, motor control, control panel, transformer and motor section, retaining wall, vent, piping and valves, existing conduits and supports, curb inlet and light standard.

The proposed above ground structure (i.e., the Mangular Blending Facility building) will be approximately 20 feet in height (measured from finish floor to top of parapet). The west side of the building will be partially buried with the adjacent ground replanted with turf to match existing slopes and grading at the park. The project includes retaining walls and security fencing which connects to the proposed above ground structure to the north and south and extends east of the building. The fencing includes a 10-foot tall tubular steel fence, the top two feet of which are pickets, which lean forward to prevent scaling of the fence. Vehicle and personnel gates are proposed for access from Ontario Avenue.

On-site construction includes the installation of various buried potable water and well water piping from 16-inch to 24-inch diameter, and approximately 190 feet of 20-inch diameter pipeline in Mangular Park from the proposed pump station to the Mangular Avenue right-of-way along the north side of the existing buried water tank/tennis courts. Off-site construction also includes the installation of approximately 500- feet of 20-inch diameter pipeline within the Mangular Avenue right-of-way from the northeast side of the existing buried water tank/tennis courts to the intersection of Mangular Avenue and Potomac Drive.



Source: TOPO! USGS Corona South, CA (1997) 7.5' DRG.

Exhibit 1

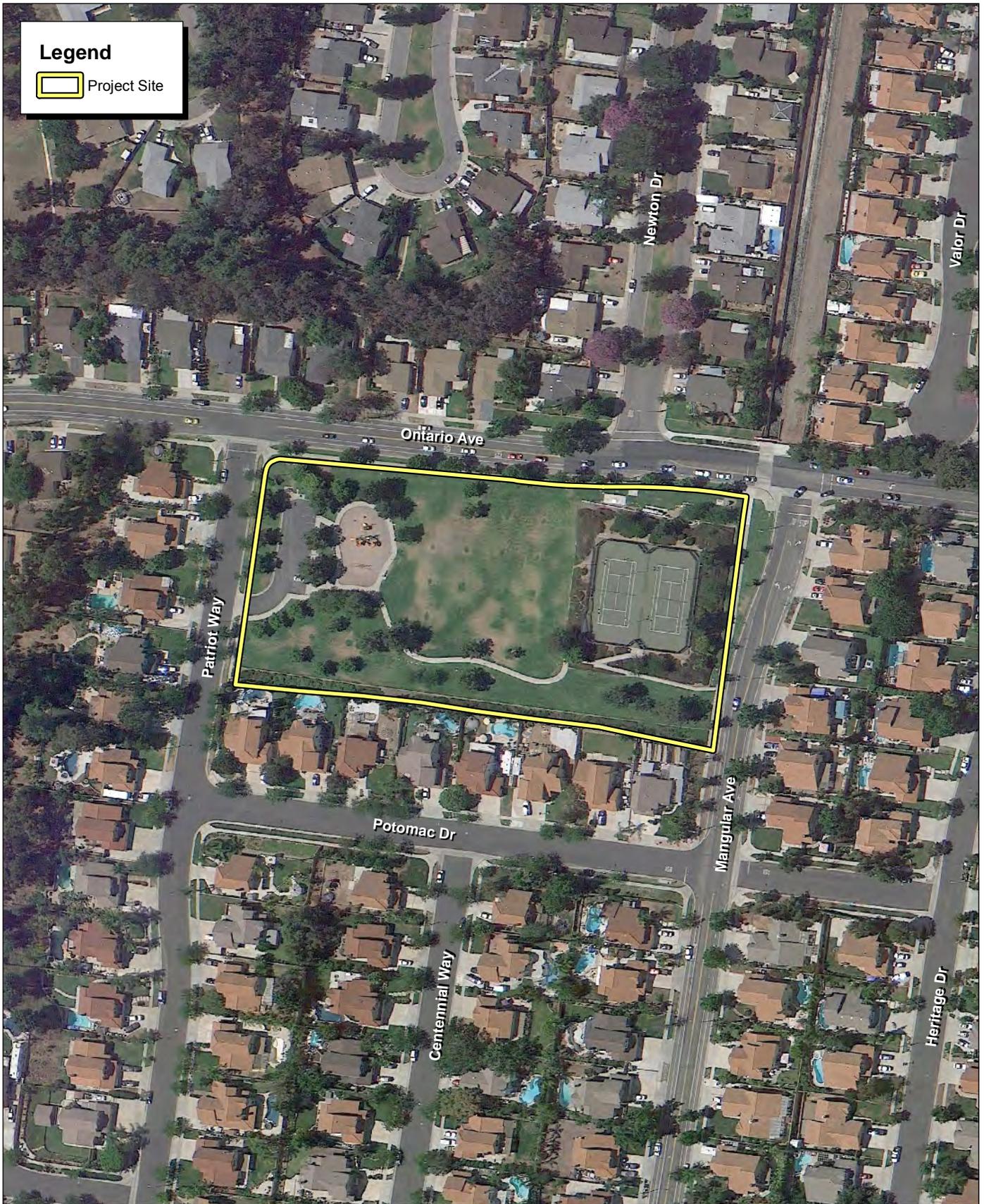
Local Vicinity Map Topographic Base



Michael Brandman Associates

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CITY OF CORONA DEPARTMENT OF WATER & POWER
MANGULAR BLENDING FACILITY PROJECT
NOTICE OF PREPARATION



Source: Google Earth Pro, 2012.



Michael Brandman Associates

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Exhibit 2 Project Site Map



Legend

- Project Site
- Construction Limits
- Construction Staging Area

Source: Google Earth Pro, 2012.

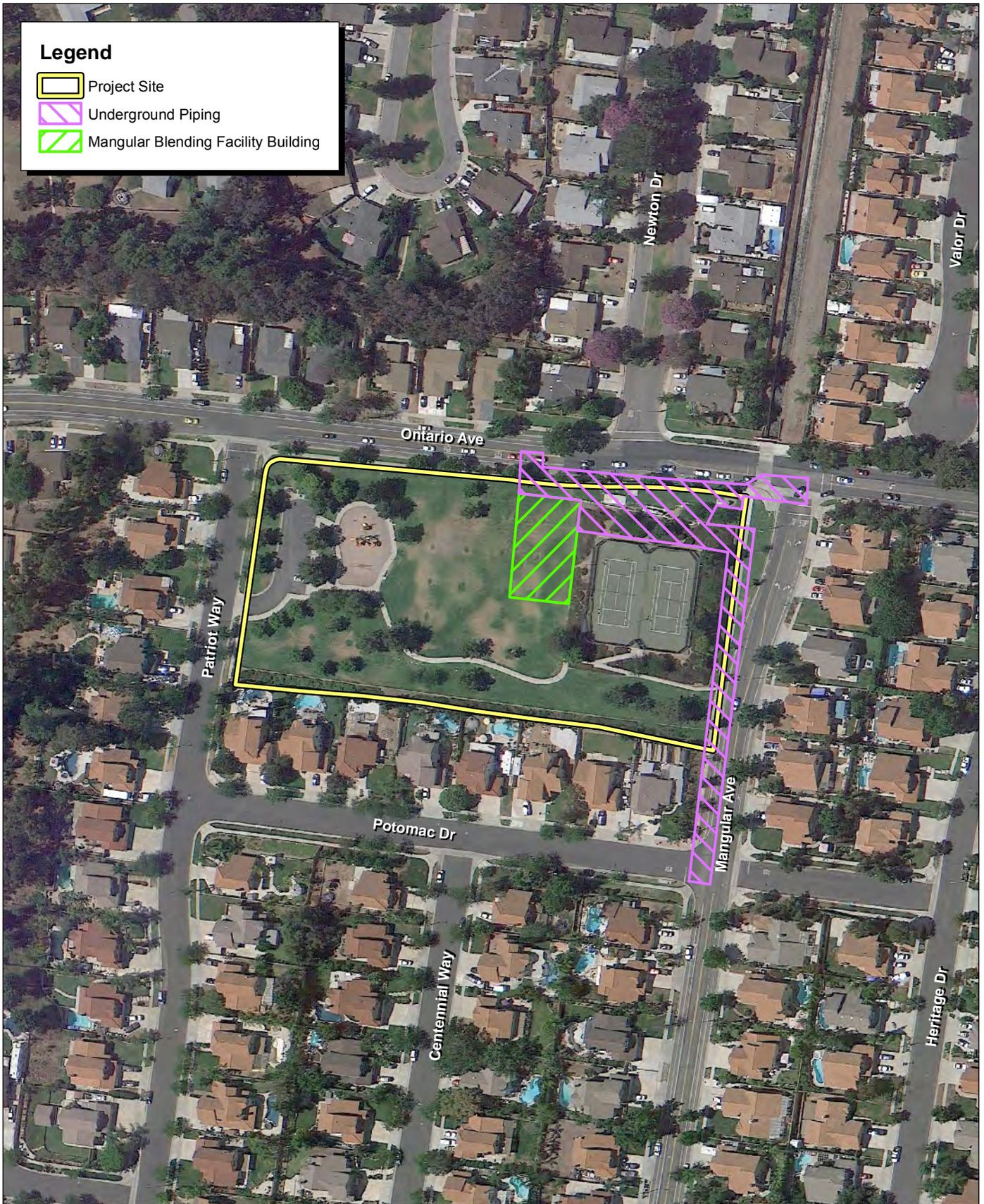


Michael Brandman Associates

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Exhibit 3 Construction Limits



Source: Google Earth Pro, 2012.



Michael Brandman Associates

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Exhibit 4 Mangular Blending Facility and Piping

SECTION 3: CITY OF CORONA'S INITIAL STUDY FORM AND ENVIRONMENTAL CHECKLIST

The following pages of Section 3 are the completed City of Corona's standard Initial Study form and Checklist.



INITIAL STUDY

NOTE: The following is a sample form and may be tailored to satisfy project circumstances. It may be used to meet the requirements for an initial study when the criteria set forth in the State and Local CEQA Guidelines have been met. Substantial evidence of potential impacts that are not listed on this form must also be considered. The sample questions in this form are intended to encourage thoughtful assessment of impacts, and do not necessarily represent thresholds of significance.

1. Project Title: Mangular Blending Facility Project

2. Lead Agency Name and Address:
City of Corona - Department of Water & Power
755 Public Safety Way
Corona, CA 92880

3. Contact Person and Phone Number: Vernon Weisman, 951.739.4912

4. Project Location: Southwest of the Ontario Avenue and Mangular Avenue intersection

5. Project Sponsor's Name and Address:
City of Corona - Department of Water & Power
755 Public Safety Way
Corona, CA 92880

6. General Plan Designation: Park 7. Zoning: Park

8. Description of Project: (Describe the whole action involved, including, but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheet(s) if necessary.)
See Section 2, Project Description.

9. Surrounding Land Uses and Setting: (Briefly describe the project's surroundings.)
The project site is in the northeastern portion of Mangular Park. To the north is Ontario Avenue and residential uses, to the east is Mangular Avenue and residential uses, to the south is Mangular Park and residential uses, and to the west is Mangular Park, Patriot Way, and residential uses.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):
The project does not require discretionary approval from other public agencies. The Regional Water Quality Control Board needs to approve Storm Water Pollution Prevention Plan (SWPPP); however, this approval is administrative.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

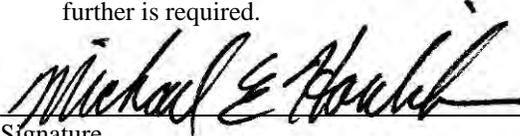
The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|---|--|--|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology / Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality |
| <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Mineral Resources | <input checked="" type="checkbox"/> Noise |
| <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation / Traffic | <input type="checkbox"/> Utilities / Service Systems | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION (To be completed by the Lead Agency):

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.


Signature

March 27, 2014
Date

Michael Houlihan
Printed Name

Tom Koper, PE, District Engineer
For

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 is 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 Section XVII, "Earlier Analyses," 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 Analyses Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources. A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
- a) the significance criteria or threshold, if any, used to evaluate each question; and
 - b) the mitigation measure identified, if any, to reduce the impact to less than significance.

SAMPLE QUESTION

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<p>II. 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 forest carbon measurement methodology provided in Forest protocols adopted by the California Air Resources Board. Would the project:</p>				
<p>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?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>d) Result in the loss of forest land or conversion of forest land to non-forest use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

III. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

IV. 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 Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

V. CULTURAL RESOURCES. Would the project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VI. 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII.	GREENHOUSE GAS EMISSIONS. Would the project:				
a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emission of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VIII.	HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a)	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IX. HYDROLOGY AND WATER QUALITY.
Would the project:

a) During project construction, will it create or contribute Urban Runoff that would violate any water quality standards or waste discharge requirements, including the term's of the City's municipal separate stormwater sewer system permit? For purposes of Section VIII, "Urban Runoff" is defined as stormwater and non-stormwater discharges from residential, commercial, industrial, and construction areas. "Urban Runoff" does not include discharges from feedlots, dairies, farms, or open space.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) After the project is completed, will it create or contribute Urban Runoff that would violate any water quality standards or waste discharge requirements, including the terms of the City's municipal separate stormwater sewer system permit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Provide for the discharge of substantial additional sources of pollutants into Urban Runoff, including pollutants discharged from delivery areas; loading docks; other areas where materials are stored, vehicles or equipment are fueled or maintained, waste is handled, or hazardous materials are handled or delivered; other outdoor work areas; or other sources?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Discharge pollutants in Urban Runoff so that one or more Beneficial Uses of receiving waters are adversely affected? "Beneficial Uses" include all uses of water necessary for the survival or well-being of man, plants and wildlife.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Discharge stormwater so that significant harm is caused to the biological integrity of waterways or water bodies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) Significantly increase erosion, either on or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
j) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l) Significantly alter the flow velocity or volume of stormwater runoff in a manner that results in environmental harm?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
m) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
n) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
o) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
p) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
q) Expose people or structures to inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
X. LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
XI. 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
XII. 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XIII. 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 road or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XIV. PUBLIC SERVICES. Would the project:

a) 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:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
XV. RECREATION. Would the project:				
a) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
XVI. TRANSPORTATION / TRAFFIC. Would the project:				
a) Conflict with an applicable plan, ordinance 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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

XVII. UTILITIES AND SERVICE SYSTEMS.

Would the project:

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? In making this determination, the Lead Agency shall consider whether the project is subject to the water supply assessment requirements of Water Code Section 10910, et seq. (SB 610), and the requirements of Government Code Section 664737 (SB 221).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

XVIII. 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, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have the potential to achieve short-term environmental goals to the disadvantage of long-term environmental goals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) 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 project, and the effects of probable future projects.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Note: Authority cited: Sections 21083, 21083.05, Public Resources Code. Reference: Section 65088.4, Gov. Code; Sections 21080, 21083.05, 21095, Pub. Resources Code; Eureka Citizens for Responsible Govt. v. City of Eureka (2007) 147 Cal.App.4th 357; Protect the Historic Amador Waterways v. Amador Water Agency (2004) 116 Cal.App.4th at 1109; San Franciscans Upholding the Downtown Plan v. City and County of San Francisco (2002) 102 Cal.App.4th 656.

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SECTION 4: DISCUSSION OF ENVIRONMENTAL EVALUATION

The following evaluation addresses whether the potential effects associated with the proposed Mangular Blending Facility Project (project) are new or increased significant effects or whether substantial changes to the environmental evaluation provided in the GWMP PEIR are required. Each environmental issue heading under each topical issue is followed by a reference to the corresponding CEQA Checklist item and a discussion of the potential environmental effects. In addition, a discussion of the potential cumulative impacts is provided for each topical environmental issue.

4.1 - Aesthetics

4.1.1 - Scenic Vista

Response to CEQA Checklist Item I.a.

Based on review of the Corona GWMP PEIR, GWMP management strategies may be located in areas that provide views of City- and County-designated scenic vistas, and these improvements may result in significant impacts on scenic vistas. However, most GWMP management strategies would result in existing infrastructure upgrades, such as upgrading of existing wastewater treatment plants, which typically occur in built-up or disturbed areas where the additions are considered consistent with the existing viewshed and would have little effect on the overall quality of designated vistas. These effects are considered less than significant.

The southern views of the foothills from major north-south streets south of Ontario Avenue are identified as scenic vistas in the City of Corona General Plan. Southern views along Mangular Avenue south of Ontario Avenue will not be affected with the implementation of the project because the proposed facility building cannot be viewed due to the existing slopes on the east side of the existing tennis courts. Additional facilities such as pipelines are proposed immediately south of Ontario Avenue; however, these facilities would be underground and would not affect views of the foothills. Therefore, the implementation of the project would result in no impact on existing scenic vistas.

Based on the above discussion, there are no new significant effects that would occur and substantial changes to the environmental evaluation of scenic vistas provided in the Corona GWMP PEIR that would not be required for the implementation of the project.

4.1.2 - Scenic Resources within a State Scenic Highway

Response to CEQA Checklist Item I.b.

The Corona GWMP PEIR identifies that the nearest State designated scenic highways are State Route (SR) 243 and SR-74 that are over 30 miles east of the project site. Therefore, the components of the GWMP would have no impact on scenic resources within a State designated scenic highway corridor.

The two above referenced State designated scenic highways are more than 30 miles from the project site. Therefore, the project would also have no impact on scenic resources within a State designated scenic highway corridor.

Therefore, no new significant effects or substantial changes to the environmental evaluation of scenic resources within a scenic highway corridor provided in the Corona GWMP PEIR would occur with the implementation of the project.

4.1.3 - Visual Character

Response to CEQA Checklist Item I.c.

Based on review of the Corona GWMP PEIR, the implementation of the GWMP would require construction and operation of new and expanded facilities that would intensify development in specific areas. The PEIR identified that new aboveground structures could contrast with the surrounding landscape and existing visual character of a site and result in significant impacts on the existing visual character. Mitigation measures are provided in the GWMP PEIR.

The project site is located at the existing underground Mangular Booster Pump Station, which is located in Mangular Park. There are limited urban viewshed of the project site from the surrounding roadway network. Because the project would alter the visual character of the project site, the construction and operation of the project could result in an impact on the visual character of the project area. The proposed Mangular Blending Facility building, which would have a footprint of approximately 3,400 square feet and a height of approximately 20 feet, will add to the current urban viewshed from the surrounding roadway network as well as the surrounding residences and Mangular Park. The nearest residence to the project site is located approximately 100 feet north of the project site. The southern side of this residence is the side yard, and there is currently an approximately 5 to 6-foot high block wall with one window facing the project site. Views of the project site from the house window are impeded due to the existing side yard wall. Neighboring residences facing onto Ontario Avenue have only partial views of the project site due to the existing street trees that extend along Ontario Avenue. Views from the residences along Mangular Avenue are impeded by the slopes adjacent to the existing tennis courts, as well as existing trees and vegetation. The residences south of the project site are located approximately 160 feet from the proposed structure. Views from the residences include the park, the project site, and the residences located north of Ontario Avenue. These views are elevated due to the higher elevation of the residences south of the site compared to Mangular Park. Although some of these residences south of the project site have views of the project site, the proposed mass and height of the proposed facility building is generally similar to the mass and height of the adjacent residences. Views from Mangular Park west of the project site are currently of a lawn area, elevated topography with vegetation, and the tennis courts. The implementation of the proposed facility building will alter park users' views; however, their current views include the neighboring residential structures, as well as the park landscape. Due to the generally similar mass and height of the proposed facility building, the views of the proposed facility building would not represent a substantial alteration of the existing

views from the park. Therefore, the potential alteration of the visual characteristics would not be substantial and would be less than significant.

Based on the above discussion, there are no new significant effects that would occur and substantial changes to the environmental evaluation of visual character provided in the Corona GWMP PEIR that would not be required for the implementation of the project. Since the project would result in less than significant impacts on visual character, no mitigation measures are required.

4.1.4 - Light or Glare

Response to CEQA Checklist Item I.d.

The Corona GWMP PEIR identifies the management strategies would not create light impacts during construction because construction activities would be limited during daytime hours. The PEIR also identifies the construction activities could generate glare from windshield or equipment reflection, but the level of impact would be less than significant because the equipment would be moving.

Construction activities associated with the proposed Mangular facility would result in similar no impacts as discussed in the PEIR because construction would only take place during daytime hours and similar less than significant glare impacts because construction equipment would be moving.

Two mitigation measures are provided in the GWMP PEIR to reduce potential light and glare impacts to less than significant. The implementation of the project also includes structures that will include permanent sources of light for security purposes and glare from the proposed structure. To similarly reduce potential light and glare impacts to less than significant, the following two mitigation measures from the PEIR will be required with the implementation of the project.

MM 3.1-3a Exterior lighting associated with aboveground features shall be shielded and directed downward.

MM 3.1-3b Above ground facilities shall be constructed with non-glare exterior coatings that are colored to blend in with the surrounding landscape.

Based on the above discussion, there are no new significant effects that would occur and substantial changes to the environmental evaluation of light and glare provided in the Corona GWMP PEIR that would not be required for the implementation of the project.

4.1.5 - Cumulative Impacts

The PEIR identified that the geographic scope for the assessment of cumulative impacts associated with other scenic resources includes the City and its Sphere of Influence (SOI). The PEIR states that the GWMP management strategies could contribute to significant cumulative impacts on scenic vistas, visual character, and light and glare. No impacts on scenic resources within a State scenic highway were identified for the GWMP management strategies. The PEIR states that the project mitigation measures identified for the GWMP management strategies would reduce its impacts to less than cumulatively considerable and therefore less than significant.

The project would result in less than significant impacts on scenic vistas and visual character. The project's contribution to cumulative impacts on scenic vistas and visual character would be less than cumulatively considerable because the permanent aboveground facilities of the project would not obstruct views of scenic vistas and would not substantially alter the existing visual characteristics of the project area. The project would also have a similar no impact on scenic resources within a State scenic highway as discussed in the PEIR because the nearest State designated scenic highways are located more than 30 miles east of the project site. In addition, the project could contribute to significant cumulative light and glare impacts. The implementation of Mitigation Measures 3.1-3a and 3.1-3b would reduce the project's contribution to less than cumulatively considerable and therefore less than significant.

Based on the above discussion, there are no new significant effects or substantial changes to the environmental evaluation of cumulative impacts on aesthetic resources provided in the Corona GWMP PEIR that would occur with the implementation of the project.

4.2 - Agriculture and Forest Resources

4.2.1 - Farmland Conversion

Response to CEQA Checklist Item II.a.

Based on review of the Corona GWMP PEIR, the implementation of the GWMP would result in new facilities or upgrades to existing infrastructure in the City and the sphere of influence. The PEIR states that it is highly unlikely that farmland would be converted. Based on review of Figure 3.2-1 (Agricultural Resources) in the PEIR, there are no areas with farmland designations in the immediate vicinity of the proposed project or Mangular Park. Therefore, no new significant effects would occur and substantial changes to the environmental evaluation of farmland provided in the Corona GWMP PEIR would not be required for the implementation of the project. Furthermore, since the project would not result in potential impacts to farmland, no mitigation measures are required with the implementation of the project.

4.2.2 - Conflict with Agricultural Zoning or Williamson Act Contract

Response to CEQA Checklist Item II.b.

The Corona GWMP PEIR states that the City of Corona currently has small areas of Williamson Act contracts; however, there are no areas in the immediate vicinity of the project that are under a Williamson Act contract. Therefore, no new significant effects would occur and substantial changes to the environmental evaluation of land under Williamson Act contracts provided in the Corona GWMP PEIR would not be required for the implementation of the project. Furthermore, since the project would not result in potential impacts to land under Williamson Act contracts, no mitigation measures are required with the implementation of the project.

4.2.3 - Conflict with Forest Land or Timberland Zoning

Response to CEQA Checklist Item II.c.

Although the Corona GWMP PEIR does not address impacts to forest land, forestry, or timberland, the project will have no impact in this regard because the project site is currently within a developed area in the existing Manglar Park. The project site contains no forest land nor is it zoned for forest land, timberland or timberland zoned Timberland Production. Therefore, no new significant effects associated with forest land or timberland would occur with the implementation of the project. Furthermore, since the project would not result in potential impacts to forest or timberland, no mitigation measures are required with the implementation of the project.

4.2.4 - Loss or Conversion of Forest Land

Response to CEQA Checklist Item II.d.

As described above, the project will not result in the loss or conversion of forest land. Therefore, the project will have no impact in this regard, and no mitigation is required.

4.2.5 - Other Farmland or Forest Land Conversions

Response to CEQA Checklist Item II.e.

As described above in Sections 4.2.1 and 4.2.3, the project will have no impact to farmland or forest land, and no mitigation is required. There are no other changes associated with the project that could result in the conversion of farmland or forest land. Therefore, there will be no impacts in this regard.

Based on the above discussion, there are no new significant effects that would occur and substantial changes to the environmental evaluation of agricultural or forestry resources provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.2.6 - Cumulative Impacts

The PEIR identified that the geographic context for cumulative impacts associated with agricultural resources is the City and its sphere of influence. The PEIR states that the implementation of individual management strategies associated with the GWMP could have incremental impacts to farmland. However, as explained above, because the project would result in no impacts to agricultural resources or forest resources, the project would not contribute to potential cumulative impacts on agricultural resources or forest resources. Therefore, the project would result in no cumulative impacts on agricultural resources or forest resources, and no mitigation measures are required.

4.3 - Air Quality

The project is located in the South Coast Air Basin, which is in nonattainment for ozone, PM₁₀, and PM_{2.5}. The project is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD), which provides recommendations and thresholds for CEQA analyses. For a full description

of air quality and greenhouse gases, please refer to the PEIR. To ensure consistency with the PEIR, Michael Brandman Associates performed air quality and greenhouse gas modeling. The methodology and modeling are located in Appendix A. The results of the modeling are summarized below.

4.3.1 - Air Quality Plan

Response to CEQA Checklist Item III.a.

According to the SCAQMD's 1993 CEQA Handbook, the project is consistent with the AQMP if the project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.

As shown in Section 4.3.2 below, the project would not violate any air quality standard or substantially contribute to an existing or projected air quality violation.

If a project's emissions exceed the SCAQMD regional thresholds for NO_x, VOC, PM₁₀, or PM_{2.5}, it follows that the emissions could cumulatively contribute to an exceedance of a pollutant for which the basin is in nonattainment (ozone, nitrogen dioxide, PM₁₀, PM_{2.5}) at a monitoring station in the basin. An exceedance of a nonattainment pollutant at a monitoring station would not be consistent with the goals of the AQMP, which is to achieve attainment of pollutants. As discussed in Section 4.3.2, the project would not exceed the regional significance thresholds for volatile organic compounds (VOC), oxides of nitrogen (NO_x), carbon monoxide (CO), sulfur oxides (SO_x), particulate matter (PM₁₀ and PM_{2.5}) during construction or operation.

4.3.2 - Violate Air Quality Standard

Response to CEQA Checklist Item III.b.

According to the GWMP PEIR, the construction of the management strategies would result in temporary emissions of criteria pollutants, and depending on the combination of construction activities, the SCAQMD air emissions thresholds may be exceeded and result in a significant and unavoidable impact. The PEIR identified mitigation measures (Mitigation Measures 3.4-1a through 3.4-1f) to reduce air emissions; however, impacts would remain significant.

Implementation of the project would increase air emissions during construction and operational activities. Construction activities include demolition and removal of existing facilities, excavation and grading for the new facilities, and construction of the new facilities. Emissions would include (1) dust (i.e., particulate matter - PM₁₀ and PM_{2.5}) from soil disturbance, and (2) combustion emissions such as reactive organic gases (ROG), oxides of nitrogen (NO_x), carbon monoxide (CO), carbon dioxide (CO₂), PM₁₀, and PM_{2.5} from operation of construction equipment and construction worker automobile trips.

To determine if the project would violate an air quality standard, the California Emissions Estimator Model (CalEEMod) version 2011.1 was used to calculate Project emissions and compare them to the regional significance thresholds and the localized significance thresholds. As shown below in Table 1

and Table 2, the project would not exceed either the regional significance thresholds or the localized significance thresholds during construction activities.

Table 1: Construction Air Pollutant Regional Emissions

Source	Emissions (pounds per day)					
	VOC	NOX	CO	SOX	PM10	PM2.5
<i>Phase 1</i> Site preparation and yard piping	5.17	41.36	22.57	0.05	4.19	2.19
<i>Phase 2</i> Backfill and construction of building	4.55	38.26	22.24	0.05	5.13	2.09
<i>Phase 2</i> Paving ¹	0.07	0.00	0.00	0.00	0.00	0.00
<i>Phase 3</i> Equipment Installation and final testing	5.62	37.35	21.70	0.05	2.40	2.40
<i>Phase 3</i> Demolition	0.02	0.21	0.09	0.00	0.10	0.01
Maximum Daily Emissions²	5.64	41.36	22.57	0.05	5.13	2.40
Significance Threshold	75	100	550	150	150	55
Significant Impact?	No	No	No	No	No	No
Notes: ¹ Paving equipment activity and worker trips are contained within the Phase 2 Backfill and construction of building phase. Phase 2 Paving contains the asphalt off gassing emissions. ² The maximum daily emissions refer to the maximum emissions that would occur in one day; it was assumed that the grading activities do not occur at the same time as the other construction activities; therefore, their emissions are not assumed. VOC = volatile organic compounds NO _x = nitrogen oxides CO = carbon monoxide SO _x = sulfur oxides PM ₁₀ and PM _{2.5} = particulate matter Source of emissions: FCS-MBA 2013 (on-site and off-site emissions from CalEEMod output) Source of thresholds: SCAQMD 2011.						

Table 2: Construction Air Pollutant Localized Emissions

Activity	On-site Emissions (pounds per day)			
	NOX	CO	PM10	PM2.5
<i>Phase 1</i> Site preparation and yard piping	32.20	17.62	1.80	1.80
<i>Phase 2</i> Backfill and construction of building	24.19	14.79	1.49	1.49
<i>Phase 2</i>	0.00	0.00	0.00	0.00

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Paving ¹				
<i>Phase 3</i> Equipment Installation and final testing	37.35	21.70	2.40	2.40
<i>Phase 3</i> Demolition	0.00	0.00	0.04	0.00
Maximum Daily Emissions²	37.35	21.7	2.44	2.40
Localized Significance Threshold	118	674	4	3
Exceed Threshold?	No	No	No	No
<p>Notes:</p> <p>¹ Paving equipment activity and worker trips are contained within the Phase 2 Backfill and construction of building phase. Phase 2 Paving contains the asphalt off gassing emissions.</p> <p>² Each of the above activities does not occur at the same time; therefore, the maximum daily emissions represent the maximum emissions that would occur in one day.</p> <p>Source of emissions: FCS-MBA 2013 (on-site emissions only from CalEEMod output).</p> <p>Source of thresholds: SCAQMD 2009; for Source Receptor Area 22 for a 1-acre site and a receptor distance of 25 meters.</p>				

Table 3 depicts the project’s operational air pollutant emissions. These emissions are compared to the regional significance thresholds. As shown below, the project would not exceed any of the regional significance thresholds.

Table 3: Operational Air Pollutant Regional Emissions

Source	Emissions (pounds per day)					
	VOC	NOX	CO	SOX	PM ₁₀	PM _{2.5}
Delivery trucks	0.52	6.30	2.70	0.01	0.65	0.30
Significance Threshold	55	55	550	150	150	55
Significant Impact?	No	No	No	No	No	No
<p>Notes:</p> <p>VOC = volatile organic compounds NO_x = nitrogen oxides CO = carbon monoxide SO_x = sulfur oxides PM₁₀ and PM_{2.5} = particulate matter</p> <p>Source of emissions: FCS-MBA 2013. Source of thresholds: SCAQMD 2011.</p>						

Based on the information above, no new significant effects would occur and substantial changes to the environmental evaluation of violations of air quality standards provided in the Corona GWMP PEIR would not be required for the implementation of the project. Since the project would result in a less than significant impact on air quality, no mitigation measures, beyond the current SCAQMD rules and regulations, are required. The Corona GWMP PEIR identified one SCAQMD rule (Mitigation Measure 3.4-1a) and one CARB regulation (Mitigation Measure 3.4-1d) as mitigation for the management strategies. Therefore, the proposed project will also include these as mitigation measures. These two measures are identified below.

MM 3.4-1a The City shall ensure that contractors implement a fugitive dust control program pursuant to the provisions of SCAQMD Rule 403.

MM3.4-1d All construction vehicles shall be prohibited from idling in excess of five minutes, both on- and off-site.

The implementation of the above rule and regulation along would ensure that the proposed project would result in a less than significant construction emissions impacts.

4.3.3 - Cumulatively Increase Criteria Pollutant

Response to CEQA Checklist Item III.c.

See Cumulative Impacts response provided in Section 4.3.6 below.

4.3.4 - Sensitive Receptors

Response to CEQA Checklist Item III.d.

Those who are sensitive to air pollution include children, the elderly, and persons with preexisting respiratory or cardiovascular illness. For purposes of CEQA, the SCAQMD considers a sensitive receptor to be a location where a sensitive individual could remain for 24 hours, such as residences, hospitals, or convalescent facilities. Commercial and industrial facilities are not included in the definition because employees do not typically remain on-site for 24 hours. However, when assessing the impact of pollutants with 1-hour or 8-hour standards (such as nitrogen dioxide and carbon monoxide), commercial and/or industrial facilities would be considered sensitive receptors for those purposes. The nearest sensitive receptor is located approximately 25 meters from the project site.

The GWMP PEIR identified that the management strategies could affect sensitive receptors that are in close proximity to construction and operation activities; however, the potential impacts would be less than significant.

Project emissions resulting from construction activities were evaluated in accordance with the SCAQMD's localized significance threshold methodology. The thresholds are developed based on the ambient concentrations of a pollutant for each source receptor area and on the location of the sensitive receptor. If the project results in emissions under those thresholds, it follows that the project would not cause an exceedance of the standard. The standards are set to protect the health of sensitive individuals. If the standards are not exceeded at the sensitive receptor locations, it follows that the receptors would not be exposed to substantial pollutant concentrations. As shown in Table 2, the construction activities associated with the project would not exceed the SCAQMD's localized thresholds for the project. Therefore, the Project's construction emissions would not result in significant health effects to sensitive receptors.

The on-site criteria pollutants during operation activities would consist of the occasional worker vehicle and delivery truck at the blending facilities. These emissions would be minimal. Considering the quantity of emissions generated, the location of the sensitive receptors (approximately 25 meters north of the project site), and the estimated dispersion of air pollutants, this impact would be less than significant.

No new significant effects would occur and substantial changes to the environmental evaluation of air emissions affecting sensitive receptors provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.3.5 - Create Objectionable Odors

Response to CEQA Checklist Item III.e.

The GWMP PEIR identifies that the management strategies may generate objectionable odors from the use of heavy equipment, application of paints, and paving operations. SCAQMD Rule 1113 limits the amount of volatile organic compounds from architectural coatings and solvents. Mandatory compliance with the SCAQMD Rules would assure construction activities would not exceed applicable thresholds. As a result, potential odor impacts were found to be less than significant.

The project would also have the potential to generate objectionable odors; however, construction activities would be required to comply with Rule 1113. Odor during construction would be intermittent, dispersed quickly, and would cease in the evenings during the most sensitive time periods. Because the nearest sensitive receptors to the project are approximately 25 meters to the north, and because of the limited size of the project site and duration of construction, potential odor impacts during construction would be less than significant.

The implementation of the project includes the addition of a blending facility that will include the use of ammonia and sodium hypochloride. These chemicals could result in odors; however, these chemicals will be stored in tanks located within the blending facility building. The sodium hypochloride will be stored in two vertical cylindrical reinforced fiberglass storage tanks. The ammonia will be stored in vertical cylindrical stainless steel tanks with an ammonia absorber tank. The chemicals will be located in closed piping and tank facilities and would not result in significant increases in odors. Therefore, potential odor impacts during operation of the blending facility would be less than significant.

No new significant effects would occur and substantial changes to the environmental evaluation of odor emissions provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.3.6 - Cumulative Impacts

According to the GWMP PEIR, the implementation of the management strategies would not contribute considerably to the significantly impacted South Coast Air Basin.

The proposed project is located within Mangular Park, which is designated as a Park within the current General Plan that was adopted in 2004. The most recent South Coast Air Basin Air Quality Management Plan (AQMP) was approved in 2012. This AQMP incorporated the growth assumptions within the most current plans of local jurisdictions within the South Coast Air Basin, including the City of Corona's growth assumptions identified in the 2004 General Plan. The proposed project is consistent with the 2012 AQMP because (1) the most recent AQMP has incorporated the City of

Corona's growth assumptions, (2) the proposed project is consistent with the General Plan land use designation on the project site, and (3) the proposed project does not alter the growth assumptions identified in the City's General Plan. Therefore, the project's impact on air quality is less than cumulatively considerable and thus less than cumulatively significant.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative air emissions in the Corona GWMP PEIR would not be required for the implementation of the project.

4.4 - Biological Resources

4.4.1 - Effect on Species

Response to CEQA Checklist Item IV.a.

Based on review of the Corona GWMP PEIR, the implementation of the GWMP could result in potential impacts to candidate, sensitive, and special status wildlife and plant species. However, the project site is already developed with the existing Mangular facility and Mangular Park and as such, does not contain any biologically sensitive areas. As such, no mitigation is warranted for impacts to the common animal or plant species located in the project area.

The Mangular Blending Facility project site is located in the same location as the existing Mangular Facility. However, the project site contains trees that surround the existing tennis courts that could provide potential nesting habitat for avian species. To ensure that the project will have no impacts in this regard, the mitigation measures from the Corona GWMP PEIR will be required so that that the project will not detrimentally impact any nesting avian species. With mitigation, the proposed Mangular Blending Facility project will have a less than significant impact in this regard.

MM 3.3-2b The City shall avoid direct impacts on any nesting birds located within the limits of construction. This could be accomplished by establishing the construction right-of-way and removal of plant material outside of the typical breeding season (February 1 through August 31).

If construction activities occur during the bird nesting period (February 1 through August 31), the following mitigation measures are required.

MM 3.3-2a The City shall have a qualified biologist conduct a preconstruction spring/summer active season reconnaissance survey for nesting/roosting special-status mobile bird and bat species, and other nesting birds within 150 feet of the construction limits of each project element to determine and map the location and extent of special-status species occurrence(s) that could be affected by the project.

MM 3.3-2c If construction and vegetation removal is proposed for the bird nesting period February 1 through August 31, then active nest sites located during the pre-construction surveys shall be avoided and a non-disturbance buffer zone established dependent on the species and in consultation with the USFWS and CDFG. Nest sites

shall be avoided with approved non-disturbance buffer zones until the adults and young are no longer reliant on the nest site for survival as determined by a qualified biologist.

4.4.2 - Riparian Habitat and Federally Protected Wetlands

Response to CEQA Checklist Items IV.b and IV.c.

Implementation of the GWMP would result in projects throughout the City and sphere of influence that could potentially affect waters of the U.S. and State. However, the project is located at Mangular Park, which does not have waters of the U.S. or State, and therefore no impacts to riparian or wetland habitat would occur, and no mitigation measures are required.

4.4.3 - Wildlife Movement

Response to CEQA Checklist Item IV.d.

Based on review of the Corona GWMP PEIR, the implementation of management strategies under the GWMP within the City and its sphere of influence would occur primarily in areas that are developed and as such, have already been previously disturbed. Management strategies primarily involve additions/modifications to existing facilities. According to the PEIR, the GWMP would have a less than significant impact, and no mitigation is required.

The site of the project is located on developed land that includes the existing Mangular facility and Mangular Park. Because the project site is developed and contains no habitat for species that could involve wildlife movement, the implementation of the project would result in no impacts to wildlife movement, and no mitigation measures are required.

Therefore, no new significant effects would occur and substantial changes to the environmental evaluation of wildlife movement provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.4.4 - Conflict with Local Policies/Ordinances and Conservation Plans

Response to CEQA Checklist Items IV.e and IV.f.

Implementation of the proposed GWMP would occur within the boundaries of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP); however, the GWMP facilities will primarily involve additions and/or alterations to existing, previously improved facilities. The GWMP facilities are not expected to be adjacent or in close proximity to conserved or protected areas and are not expected to interface with natural lands due to the highly developed nature of the City.

The site of the project is located on developed land that includes the existing Mangular facility and Mangular Park. Because the project site is developed and contains no habitat for sensitive species, the project would result in no impacts to the Western Riverside County MSHCP. Therefore, no new significant effects would occur and substantial changes to the environmental evaluation of habitat

conservation plan/natural community conservation plan and local policies and ordinances provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.4.5 - Cumulative Impacts

According to the PEIR for the Corona GWMP, the locations of the GWMP facilities are in primarily developed areas with few patches of native habitat in the project vicinity—particularly Temescal Creek Flood Control Channel, which connects to Prado Basin. Because the project site is on land that is already developed and contains no habitat for sensitive species, the project would not contribute to potential cumulative impacts on sensitive species. As stated above, the project could contribute to impacts on nesting birds. The implementation of Mitigation Measures 3.3-2a through 3.3-2c would reduce the project’s contribution to cumulative impacts to less than cumulatively considerable.

Therefore, no new significant effects would occur and substantial changes to cumulative impacts on biological resources provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.5 - Cultural Resources

4.5.1 - Historic and Archaeological Resources

Response to CEQA Checklist Items V.a and V.b.

The Corona GWMP PEIR identifies that the majority of the GWMP management strategies would involve upgrading and replacing existing infrastructure in previously disturbed areas. However, construction activities associated with replacing and adding infrastructure could affect known and previously unknown historical and archaeological resources. The GWMP PEIR identifies the implementation of four mitigation measures regarding archeological and historic resources (Mitigation Measures 3.5-1c through 3.5-1f) for the construction of the GWMP management strategies.

Based on a site visit to the Eastern Information Center on June 21, 2012, the reservoir at the southwest corner of Mangular Avenue and Ontario Avenue was reconnaissance surveyed in 1976 and a one-page letter was issued by M.A. Brown, a local archaeological consultant. No resources were detected on the property by M.A. Brown. Based on information from M.A. Brown and a review of aerial photographs (1948, 1967, 1980 and 1994), there is little evidence to demonstrate that significant cultural resources would be encountered during construction at the project site. Previously the project site included orchards. Orchard development and construction of the existing reservoir was likely to have damaged the subgrade. Additionally, no resources were observed during the survey in 1976. Thus, the potential for impacts to significant cultural resources appears to be “low”; therefore, no mitigation-monitoring is recommended. The construction activities associated with the project could result in significant impacts on unknown cultural resources, but the potential impacts would be reduced to less than significant with the implementation of the following Mitigation Measure 3.5-1c.

MM 3.5-1c In the event that any prehistoric or historic subsurface cultural resources are discovered during ground disturbing activities, all work within 50 feet of the resources shall be halted and the City shall consult with a qualified archaeologist to assess the significance of the find. If any find is determined to be significant, representatives of the City and the qualified archaeologist would meet to determine the appropriate course of action. All significant cultural materials recovered shall be subject to scientific analysis, professional museum curation, and a report prepared by the qualified archaeologist according to current professional standards.

No new significant effects would occur and substantial changes to the environmental evaluation of historical and archaeological resources provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.5.2 - Paleontological Resources

Response to CEQA Checklist Item V.c.

The Corona GWMP PEIR identifies that paleontological resources could be encountered during excavations and other construction activities associated with the GWMP management strategies. The implementation of the project will also include excavations. As a result, the construction activities could result in a significant impact on paleontological resources. As identified in the PEIR, the following Mitigation Measure 3.5-2 would reduce the Project's potential impacts to paleontological resources to less than significant.

MM 3.5-2 Accidental discovery of paleontological resources. If paleontological resources are encountered during the course of construction and monitoring, the City shall halt or divert work and notify a qualified paleontologist who shall document the discovery as needed, evaluate the potential resource, assess the significance of the find, and develop an appropriate treatment plan.

No new significant effects would occur and substantial changes to the environmental evaluation of paleontological resources provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.5.3 - Human Remains

Response to CEQA Checklist Item V.d.

Based on a review of the Corona GWMP PEIR, buried human remains are not anticipated to be encountered during the implementation of the GWMP management strategies. However, the PEIR states that in the event of unexpected discovery of human remains, there could be significant impacts. Therefore, as identified in the PEIR, the following Mitigation Measure 3.5-3 would reduce potential impacts associated with the project to human remains to less than significant.

MM 3.5-3 If human remains are uncovered during Project construction, the City shall immediately halt work, contact the County Coroner to evaluate the remains, and

follow the procedures and protocols set forth in Section 15064.5 (e)(1) of the CEQA Guidelines. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission. The NAHC will then identify the person(s) thought to be the Most Likely Descendent of the deceased Native American, who will then help determine what course of action should be taken in dealing with the remains.

No new significant effects would occur and substantial changes to the environmental evaluation of human remains provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.5.4 - Cumulative Impacts

According to the PEIR for the Corona GWMP, it is possible that cumulative development within the City and sphere-of-influence could result in the adverse modification or destruction of historic resources, archaeological resources and other buried resources. The implementation of the project could contribute to this cumulative impact. The implementation of Mitigation Measures 3.5-1c, 3.5-2, and 3.5-3 with the construction of the project would reduce the project's contribution to potentially significant cumulative impacts to less than cumulatively considerable. Therefore, no new significant effects would occur and substantial changes to cumulative impacts on historical, archaeological, paleontological, or human remain resources provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.6 - Geology and Soils

4.6.1 - Earthquakes and Seismic-Related Impacts

Response to CEQA Checklist Items VI.a (i. through iv.).

As described in the PEIR for the GWMP, implementation of the GWMP management strategies would include new, upgraded, and expanded infrastructure throughout the City and sphere of influence. As such, earthquake fault rupture, ground shaking, ground failure, and landslide hazards would vary from site to site. The PEIR states that the implementation of some of the GWMP management strategies have a potential for earthquake fault rupture, ground shaking, ground failure, and landslide hazards. NMG Geotechnical prepared a site-specific, design-level geotechnical investigation for the proposed Mangular Blending Facility project. No earthquake fault was found on the project site. The site could be subjected to ground shaking, and the project design is required to comply with current seismic design and construction practices in California under Title 24 of the CBC. NMG Geotechnical found that there was 5 to 10 feet of undocumented artificial fill overlaying native alluvium generally consisting of gravelly sand and silty sand. No groundwater was encountered during the exploration and groundwater is anticipated to be deeper than 50 feet based on a background review by NMG. As stated above, construction of the project will be subject to compliance with current seismic design and construction practices. The specific design considerations are identified in the geotechnical investigation available for review at the City of Corona Department of Water and Power.

No new significant effects or substantial changes to the environmental evaluation of earthquakes and seismic-related impacts provided in the Corona GWMP PEIR would occur with the implementation of the project.

4.6.2 - Soil Erosion or Loss of Topsoil

Response to CEQA Checklist Item VI.b.

As described in the PEIR for the GWMP, implementation of the GWMP management strategies would result in new, upgraded, and expanded infrastructure throughout the City and sphere of influence. The construction projects that would result from the GWMP implementation (including the project) could result in erosion or top soil loss if measures are not in place to prevent erosion. The PEIR states that for projects that disturb greater than one-acre of land, State law requires the preparation and implementation of a RWQCB approved Storm Water Pollution Prevention Plan (SWPPP). Implementing the Best Management Practices (BMPs) outlined in the approved SWPPP would ensure that substantial amounts of erosion and top soil loss would not occur.

Construction activities associated with the project will result in a disturbance of more than one acre (i.e., approximately 1.2 acres). Therefore, as discussed in the PEIR, there is a potential for a significant impact associated with soil erosion and loss top soil. Mitigation Measures 3.6-2a and 3.1-2a would reduce the potential impact associated with soil erosion and loss of topsoil during construction and operational activities to less than significant.

MM 3.6-2a The City shall ensure that the construction contractor obtains an approved SWPPP and implements identified BMPs to ensure sediment does not leave the construction site. The BMPs would include soil erosion and sediment control measures that could include, but not be limited to, sediment barriers and traps, silt basins, and silt fences. The SWPPP shall identify extra precautionary BMPs to minimize sediment transport within Temescal Creek.

MM 3.1-2b Following construction activities, the City of Corona shall restore disturbed areas by reestablishing pre-existing conditions including topography, repaving roadways, replanting trees, and/or reseeding with a native seed mix typical of the immediate surrounding area.

No new significant effects would occur and substantial changes to the environmental evaluation of soil erosion and loss of top soil provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.6.3 - Unstable and Expansive Soils

Response to CEQA Checklist Items VI.c and VI.d.

Based on review of the Corona GWMP PEIR, implementation of the GWMP management strategies would include new, upgraded, and expanded infrastructure throughout the City of Corona and sphere of influence. The PEIR stated that there could be locations with unstable soils such as

liquefaction and landslides. As described above, groundwater levels are anticipated to be deeper than 50 feet, and therefore, the potential for liquefaction impacts is low. Also stated above, NMG Geotechnical identified undocumented fill within the top 5 to 10 feet of ground surface. During construction, foundation and building pad designs are required to comply with Title 24 of the California Building Code (CBC). Since the site contains undocumented artificial fill, the upper three feet of the existing undocumented artificial fill located below the building pad will be removed and recompacted. Compliance with Title 24 of the CBC would result in a less than significant impact associated with unstable soils or expansive soils.

No new significant effects would occur and substantial changes to the environmental evaluation of unstable soils or expansive soils provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.6.4 - Unstable Soils for Septic Tanks

Response to CEQA Checklist Item VI.e.

According to the GWMP PEIR, the management strategies would not include the installation of a septic system or alternative wastewater disposal system. Therefore, the management strategies, including the project, would result in no impacts associated with septic tanks. Similarly, the implementation of the project would not include septic tanks and therefore would result in no impacts of unstable soils associated with septic tanks.

No new significant effects would occur and substantial changes to the environmental evaluation of unstable soils for septic tanks provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.6.5 - Cumulative Impacts

As described in the PEIR for the Corona GWMP, soil and geologic conditions are site-specific. There is little, if any, potential for risks associated with geologic resources to be compounded in a cumulative manner based on the spatial or temporal proximity of projects. Therefore, implementation of the project would not contribute to cumulative soil and geologic impacts. As identified above, there are project specific geologic and soil impacts that would result in a less than significant impact with the implementation of Mitigation Measures 3.6-2a and 3.1-2a.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative geology and soil impacts provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.7 - Greenhouse Gases

Michael Brandman Associates performed greenhouse gas modeling to ensure consistency with the PEIR. The methodology and modeling are located in Appendix A. The results of the modeling are summarized below.

4.7.1 - Greenhouse Gas Emissions and Conflict with Plan, Policy, or Regulation

Response to CEQA Checklist Items VII.a and VII.b.

According to the GWMP PEIR, the management strategies would contribute to global climate change as a result of emissions of greenhouse gases, primarily carbon dioxide (CO₂) emitted by trucks and earthmoving equipment associated with construction activities and daily operations once the management strategies are built. The PEIR states that greenhouse gas emissions from construction of the management strategies would be approximately 1,643 metric tons of carbon dioxide equivalents (MTCO₂e) per year for the duration of construction. The PEIR compared this emission to the SCAQMD Staff CEQA greenhouse gas significance threshold of 6,500 metric tons per year of MTCO₂e emissions, which results in a less than significant impact.

To estimate construction emissions associated with the project, CalEEMod was used. As shown in Table 4, construction emissions associated with the project would be approximately 154 MTCO₂e or 5 MTCO₂e averaged over 30 years. The SCAQMD's current recommendation regarding assessing the significance of construction emissions is to first divide the construction emissions by 30 and add them to the operational emissions.

Table 4: Construction Greenhouse Gas Emissions

Phase	Emissions (pounds CO ₂ e per day)			Days	Total MTCO ₂ e
	On-site	Off-site	Subtotal		
<i>Phase 1</i> Site preparation and yard piping	4171.90	1466.80	5,639	65	33.25
<i>Phase 2</i> Backfill and construction of building	3035.46	2231.57	5,267	90	43.00
<i>Phase 2</i> Paving ¹	0.00	0.00	0.00	5	0.00
<i>Phase 3</i> Equipment Installation and final testing	4612.31	0.00	4,612	185	77.41
<i>Phase 3</i> Demolition	0.00	32.84	33	25	0.07
Total	—	—	—	—	153.73
Averaged over 30 years	—	—	—	—	5.12

Notes:
¹. Paving equipment activity and worker trips are contained within the Phase 2 Backfill and construction of building phase. Phase 2 Paving contains the asphalt off gassing emissions.
MTCO₂e = metric tons of carbon dioxide equivalents = pounds per day x days x 0.0005.
Source: FCS-MBA 2012.

CalEEMod was also used to estimate greenhouse gas emissions during operation of the project; the emissions are shown in Table 5.

Table 5: Total Annual Greenhouse Gas Emissions

Source	Emissions (pounds CO ₂ e/day)	Emissions (pounds CO ₂ e/year)	Total (MTCO ₂ e/ year)
Delivery trucks	1,183.41	14,200.92	6.44
Construction averaged over 30 years			5.12
Total			11.56
SCAQMD Industrial Screening Threshold			10,000
Threshold used in the PEIR			6,500
Significant impact?			No
Note: MTCO ₂ e = metric tons of carbon dioxide equivalents (pounds per day x days x 0.0005) Source: FCS-MBA 2012.			

Although the PEIR identified a greenhouse gas significance threshold of 6,500 MTCO₂e, the SCAQMD has currently identified screening thresholds based on land use types. The applicable screening threshold for the project is 10,000 MTCO₂e per year, which is the threshold for industrial uses (SCAQMD 2008). Therefore, the project's total greenhouse gas emissions of 11.56 MTCO₂e per year would be less than the SCAQMD screening threshold of 10,000 MTCO₂e per year. As a result, the project's potential impact from greenhouse gas emissions would be less than significant.

No new significant effects would occur and substantial changes to the environmental evaluation of greenhouse gas emissions in the Corona GWMP PEIR would not be required for the implementation of the project.

In addition, the project would not conflict with a known plan, policy, or regulation for reducing greenhouse gas emissions.

4.7.2 - Cumulative Impacts

The GWMP PEIR states that greenhouse gas emission impacts are considered cumulative. There are no individual projects that can affect climate change through greenhouse gas emissions. Therefore, impacts associated with greenhouse gas emissions are cumulative in nature. Since the project would generate less total greenhouse gas emissions than the SCAQMD screening threshold and since the project would not conflict with any applicable plan, policy, or regulation adopted to reduce greenhouse gas emissions, the project's impact is less than cumulatively considerable, thus less than cumulatively significant.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative greenhouse gas emissions in the Corona WMP PEIR would not be required for the implementation of the project.

4.8 - Hazards and Hazardous Materials

4.8.1 - Hazardous Materials Release – Routine Use and Accident Conditions

Response to CEQA Checklist Items VIII.a and VIII.b.

Based on review of the GWMP PEIR, implementation of the GWMP management strategies would include new, upgraded, and expanded infrastructure throughout the City and sphere of influence. Construction activities associated with some of the management strategies could result in the routine transport, use, and disposal of hazardous materials that could result in a significant impact. The PEIR states that Mitigation Measures 3.7-1a through 3.7-1f would be required for some of the management strategies. Because the project includes construction activities that include hazardous materials, Mitigation Measures 3.7-1a through 3.7-1f would be required. The implementation of these mitigation measures would reduce the project's potential impact related to hazardous materials release to less than significant.

The PEIR also states that some management strategies may require increased storage and use of hazardous materials. It further states that the City would comply with state and federal regulations covering the storage and use of hazardous materials during operation of all future GWMP management strategies, which includes the project. Therefore, the City's compliance with the state and federal regulations would result in a less than significant hazardous materials release impact during the operation of the project.

Following are the mitigation measures that will be required for the Project to reduce the project's potential impact related to hazardous materials release to less than significant.

MM 3.8-1a The City of Corona shall require construction contractor(s) to implement BMPs for handling hazardous materials. The use of construction BMPs shall minimize negative effects on groundwater and soils, and will include, without limitation, the following:

- Follow manufacturers' recommendations and regulatory requirements for use, storage, and disposal of chemical products and hazardous materials used in construction.
- Avoid overtopping construction equipment fuel tanks.
- During routine maintenance of construction equipment, properly contain and remove grease and oils.
- Properly dispose of discarded containers of fuels and other chemicals.

MM 3.8-1b The implementing agencies shall require the construction contractor(s) to implement safety measures in accordance with General Industry Safety Orders for Spill and Overflow Control (CCR Title 8, Sections 5163-5167) to protect the project

area from contamination due to accidental release of hazardous materials. The safety measures shall include, but not be limited to, the following:

- Spills and overflows of hazardous materials shall be neutralized and disposed of promptly.
- Hazardous materials shall be stored in containers that are chemically inert and appropriate for the type and quantity of the hazardous substance.
- Containers shall not be stored where they are exposed to heat sufficient enough to rupture the containers or cause leakage.
- Specific information shall be provided regarding safe procedures and other precautions before cleaning or subsequent use or disposal of hazardous materials containers.
- Chemical spills shall be reported to the local fire department and the RWQCB.

MM 3.8-1c In the event of an accidental release of hazardous materials during construction, containment and clean up shall occur in accordance with applicable regulatory requirements.

MM 3.8-1d Oil and other solvents used during maintenance of construction equipment shall be recycled or disposed of in accordance with applicable regulatory requirements. All hazardous materials shall be transported, handled, and disposed of in accordance with applicable regulatory requirements.

MM 3.8-1e City of Corona shall require the construction contractor(s) to prepare a Site Safety Plan in accordance with applicable regulatory requirements.

MM 3.8-1f The City of Corona shall require the construction contractor(s) to prepare and implement a Safety Program to ensure the health and safety of construction workers and the public during project construction. The Safety Program shall include an injury and illness prevention program, a site-specific safety plan, and information on the appropriate personal protective equipment to be used during construction.

No new significant effects would occur and substantial changes to the environmental evaluation of hazardous materials release provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.8.2 - Hazardous Materials Near Schools

Response to CEQA Checklist Item VIII.c.

The GWMP PEIR states that the proposed management strategies could occur within one-quarter mile of an existing or proposed school. However, the nearest school to the project site is John Adams Elementary School, located approximately 0.27 mile west of the project site and Corona Christian School is located approximately 0.56 mile northwest of the project site. Therefore, the

construction and operation of the project would not impact schools within one-quarter mile of an existing or proposed school associated with the use and storage of hazardous materials.

No new significant effects would occur and substantial changes to the environmental evaluation of the use and storage of hazardous materials near schools provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.8.3 - Hazardous Materials Sites

Response to CEQA Checklist Item VIII.d.

According to the GWMP PEIR, future GWMP management strategies will not be constructed on sites that are currently on government hazardous materials waste site databases. To ensure that the project site is not currently listed on government hazardous materials waste site databases, a database search conducted for the project by Environmental Database Research, Inc. (EDR) in June 2012 was performed. The database search is located in Appendix B. The results of the database search confirmed that the project is not located on a current government hazardous materials waste site database, including a list of hazardous materials sites compiled pursuant to government code section 65962.5. Therefore, the project would result in no impacts associated with hazardous materials sites.

The GWMP PEIR also identified that the GWMP management strategies may be located on sites with unknown contaminated soils or underground storage tanks (USTs). Excavation of unknown contaminated soils could result in a significant impact. Excavation activities associated with the project could also unearth contaminated soils; however, it is unlikely because there is no known hazardous materials on the project site based on review of the databases (see Appendix B).

Mitigation Measures 3.8-3c and 3.8-3d would reduce the potential hazardous waste impact to less than significant.

MM 3.8-3c Excavated materials containing hazardous waste shall be disposed of in accordance with applicable hazardous waste transportation and disposal regulations by the implementing agency within 90 days of excavation.

MM 3.8-3d If previously unknown USTs are discovered during construction, the UST, associated piping, and impacted soil shall be removed by a licensed and experienced UST removal contractor. The UST and contaminated soil shall be removed in compliance with applicable county and state requirements governing UST removal.

No new significant effects would occur and substantial changes to the environmental evaluation of hazardous materials sites provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.8.4 - Public and Private Airport Hazards

Response to CEQA Checklist Items VIII.e and VIII.f.

Based on a review of the City of Corona General Plan Final EIR prepared in 2004, there is one airport within the City. This airport is the Corona Municipal Airport.

Based on review of the GWMP PEIR, the locations of some of the management strategies were not known and as a result, the PEIR stated there could be significant airport hazard impacts. The PEIR provided a mitigation measure to consult with the Corona Municipal Airport and Riverside County Airport Land Use Commission when future management strategies are located within the land use compatibility zones of the Corona Municipal Airport Comprehensive Land Use Plan. Based on a review of the Compatibility Map and the Airspace Plan for Corona Municipal Airport of the Riverside County Airport Land Use Compatibility Plan Policy Document (see <http://www.rcaluc.org/filemanager/plan/new/11-%20Vol%201%20Corona%20Municipal.pdf>), the land use compatibility zones are located north of State Route (SR) 91 and the airspace surfaces are located northwest of the Grand Boulevard circle. Since the project site is located south of SR-91, the proposed project would be located outside of the land use compatibility zones and since the project site is located on the eastern portion of the Grand Boulevard circle, the proposed project would be located outside of the airport surfaces. Therefore, the proposed project would not result in potential airport hazard impacts.

No new significant effects would occur and substantial changes to the environmental evaluation of airport hazards provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.8.5 - Emergency Response/Evacuation

Response to CEQA Checklist Item VIII.g.

The PEIR for the Corona GWMP identified that construction of some of the management strategies associated with the GWMP could result in roadway disturbances (i.e., lane closure) which could impact emergency response/evacuation. Due to the project's proximity adjacent to W. Ontario Avenue and Mangular Avenue, it is anticipated that lanes may need to be temporarily closed down during construction of the project. Implementation of Mitigation Measures 3.12-1a through 3.12-1f requiring the preparation of a traffic control plan would ensure that temporary lane closures would reduce impacts to emergency evacuation routes. Therefore, impacts would be less than significant with implementation of Mitigation Measure 3.12-1a through 3.12-1f.

MM 3.12-1a The City's construction contractor shall prepare and implement a Traffic Control/Traffic Management Plan subject to approval by the City prior to construction. The plan shall:

- Identify hours of construction and hours for deliveries;
- Include a discussion of haul routes, limits on the length of open trench, work area delineation, traffic control and flagging;

- Identify all access and parking restrictions, pavement markings and signage requirements (e.g., speed limit, temporary loading zones);
- Maintain access to residence and business driveways, public facilities, and recreational resources at all times to the extent feasible; Minimize access disruptions to businesses and residences;
- Layout a plan for notifications and a process for communication with affected residents and businesses prior to the start of construction. Advance public notification shall include posting of notices and appropriate signage of construction activities.
- The written notification shall include the construction schedule, the exact location and duration of activities within each street (i.e., which lanes and access point/driveways would be blocked on which days and for how long), and a toll-free telephone number for receiving questions or complaints;
- Include a plan to coordinate all construction activities with emergency service providers in the area at least one month in advance. Emergency service providers shall be notified of the timing, location, and duration of construction activities. All roads shall remain passable to emergency service vehicles at all times;
- Include a plan to coordinate all construction activities with the Corona-Norco Unified School District at least two months in advance. The Corona-Norco Unified School District shall be notified of the timing, location, and duration of construction activities. The City shall require its contractor to maintain vehicle, pedestrian, and school bus service during construction through inclusion of such provisions in the construction contract. The assignment of temporary crossing guards at designated intersections may be needed to enhance pedestrian safety during project construction.
- Also the following provisions shall be met:
 - Pipeline construction near schools shall occur when school is not in session (i.e., summer or holiday breaks). If this is not feasible, a minimum of two months prior to project construction, the implementing agencies shall coordinate with the Corona-Norco Unified School District to identify peak circulation periods at schools along the alignment(s) (i.e., the arrival and departure of students), and require their contractor to avoid construction and lane closures during those periods;
 - A minimum of two months prior to project construction, the implementing agencies shall coordinate with the Corona-Norco Unified School District to identify alternatives for the school busing routes and stop locations, and other circulation provisions, as part of the Traffic Control/Traffic Management Plan;
- Include the requirement that all open trenches be covered with metal plates at the end of each workday to accommodate traffic and access; and
- Specify the street restoration requirements pursuant to agreements with the local jurisdictions.

- MM 3.12-1b** The City shall identify all roadway locations where special construction techniques (e.g., horizontal boring, directional drilling, or night construction) will be used to minimize impacts to traffic flow.
- MM 3.12-1c** The City shall develop circulation and detour plans to minimize impact to local street circulation, including bikeways. This may include the use of signing and flagging to guide vehicles and cyclists through and/or around the construction zone.
- MM 3.12-1d** The City shall encourage construction crews to park at staging areas to limit lane closures in the public right-of-way.
- MM 3.12-1e** Peak travel periods shall be avoided when considering partial road closures.
- MM 3.12-1f** The City shall consult with RTA at least one month prior to construction to coordinate bus stop relocations (if necessary) and to reduce potential interruption of transit service.

No new significant effects would occur and substantial changes to the environmental evaluation of emergency response/evacuation provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.8.6 - Wildland Fire Hazards

Response to CEQA Checklist Item VIII.h.

The GWMP PEIR stated that some of the management strategies may be located in areas that are susceptible to wildland fires as construction activities occur. The project is located within an urban built-up area, and the nearest wildland is located approximately 2.5 miles to the northeast within Prado Basin. Due to the distance between the Project site and the nearest wildland, the implementation of the project would result in no impacts associated with wildland fire hazards. No new significant effects would occur and substantial changes to the environmental evaluation of wildland fire hazards provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.8.7 - Cumulative Impacts

The GWMP PEIR identifies that the implementation of the management strategies would result in less than significant cumulative hazards and hazardous materials impacts with the implementation of the mitigation measures identified above. The project would require implementation of mitigation measures as identified above (i.e., Mitigation Measures 3.8-1(a through f), 3.8-3(c and d), and 3.12-1(a through f). With the implementation of these project mitigation measures, the project would result in cumulative impacts that are less than cumulatively considerable.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative hazards and hazardous materials impacts provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.9 - Hydrology and Water Quality

4.9.1 - Construction Water Quality Standards/Waste Discharge Requirements during Construction and Water Quality

Response to CEQA Checklist Items IX.a, IX.f, and IX.m.

Water Quality - Project Construction

According to the GWMP PEIR, the implementation of the GWMP management strategies could violate water quality standards or waste discharge requirements during construction activities. Violations could result from the release of contaminants such as eroded sediments generated during earth moving and grading operations or chemicals and fuels inadvertently discharged to the ground. However, the PEIR states that construction methods for the management strategies projects are those in common industry practice and best management strategies have been shown to effectively protect surface and groundwater from these potential sources of contamination. Construction of the project would be subject to Best Management Practices and a Storm Water Pollution Prevention Plan as required by the Regional Water Quality Control Board to minimize construction runoff. The PEIR states that the City has a standard protocol (i.e., standard trench repair protocol) to prevent runoff of erosion and minimize siltation during construction activities. This standard protocol would result in less than significant impacts on water quality during construction activities. The project would be required to implement the City standard protocol during construction activities. Compliance with the City's standard protocol would create less than significant impacts on water quality.

No new significant effects would occur and substantial changes to the environmental evaluation of water quality impacts during construction activities provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.9.2 - Water Quality Standards/Waste Discharge Requirements During Operations, Urban Runoff, Beneficial Uses, Biological Integrity of Waterways, and Water Quality

Response to CEQA Checklist Items IX.b, IX.c, IX.d, and IX.e.

Water Quality - Project Operation

The GWMP PEIR identified that the management strategies could generate contaminants during the long-term operation and could violate water quality standards or waste discharge requirements. These strategies include groundwater recharge programs that use recycled water that have the potential to cause water quality degradation. The project is not one of the groundwater recharge programs. As detailed in the PEIR for the GWMP, at a program level, it appears that the GWMP management strategies would not cause impacts to long-term water quality or violate waste discharge requirements, and would in some cases have the potential for beneficial impacts to water quality within the subbasins.

The project includes the blending of water to reduce nitrate concentrations and would not violate long-term water quality standards or waste discharge requirements during operational activities. In addition, the operation of the project would not adversely affect Beneficial Uses or biological integrity of waterways. No new significant effects would occur and substantial changes to the environmental evaluation of water quality impacts during operational activities provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.9.3 - Groundwater Depletion

Response to CEQA Checklist Item IX.g.

As described in the GWMP PEIR, the objective of the GWMP is to implement sustainable management of groundwater resources through increased groundwater recharge and reductions of potable water demand. The GWMP's management strategy projects are intended to be beneficial to the groundwater supply. Since the project includes the blending of water to reduce nitrate concentrations, the project would result in a beneficial impact on water resources that included groundwater. The implementation of the project would not deplete groundwater resources or interfere with groundwater recharge.

No new significant effects would occur and substantial changes to the environmental evaluation of groundwater supplies during operational activities provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.9.4 - Erosion/Siltation, On-site/Off-site Erosion, Drainage Pattern Alteration

Response to CEQA Checklist Item IX.h, IX.i, and IX.j.

Based on review of the GWMP PEIR, some of the GWMP management strategies could temporarily alter drainage systems, but would result in a less than significant impact on the City's storm drain system. Implementation of the project could alter the on-site drainage; however, the impact would be insignificant in that the project includes the addition of only approximately 0.2 acre of impervious surfaces that would not substantially alter existing surface water flows. In addition, the alteration of the on-site drainage would not result in substantial erosion because the proposed facility is proposed on relatively flat terrain. Therefore, the implementation of the project would result in less than significant impacts to existing off-site drainage patterns.

No new significant effects would occur and substantial changes to the environmental evaluation of drainage pattern alteration or erosion provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.9.5 - Drainage System Capacities, Alter Flow Velocity/Volume, Housing/Structures Placement in 100-Year Flood Hazard Area, and Seiche/Tsunami/Mudflow

Response to CEQA Checklist Items IX.k, IX.l, and IX.n through IX.q.

The GWMP PEIR states that there may be some GWMP management strategies that may be located within flood plains and could result in significant impacts to adjacent uses. The FEMA flood map for

the proposed Manglar Blending Facility project site shows that it is located within Flood Zone X which is defined as a “0.2 percent Annual Chance Flood Hazard”. This flood hazard is associated with a 500-year flood. Therefore, the proposed structures would not be placed within a 100-year flood hazard area. In addition, as stated above under Section 4.9.4, the project would add only approximately 0.2 acre of impervious surfaces. This addition of impervious surfaces would result in a potential increase in surface water flows; however, the increase would result in a less than significant alteration of the existing flow velocity or volume of stormwater runoff. Therefore, the project would result in less than significant increases in existing stormwater flows to existing off-site drainage facilities and less than significant impacts on existing capacities of off-site drainage facilities. Furthermore, the project would not expose people or structures to seiches, tsunamis, or mudflows because the project site is not in close proximity to a large body of water, has relatively flat terrain, and is approximately 30 miles from the Pacific Ocean.

No new significant effects would occur and substantial changes to the environmental evaluation of flooding and existing drainage system capacities provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.9.6 - Cumulative Impacts

The GWMP PEIR states that construction of future new development in the watershed would be required to comply with existing regulations regarding construction practices that minimize impacts associated with erosion, runoff, and flooding, and would not be considered cumulatively considerable when considered together with future development in the watershed. The construction of the project would also comply with existing regulations and could also result in potential erosion and runoff, and a nominal potential for flooding impacts that are considered less than cumulatively considerable; thus less than cumulatively significant.

As stated above, the project would result in no impacts on long-term water quality and would result in less than significant increases in stormwater flows off-site. Therefore, the project would not contribute to cumulative long-term water quality impacts, but could contribute to cumulative off-site stormwater facilities impacts. However, the contribution of the project’s increase in off-site stormwater is nominal and less than significant. This potential increase is expected to be less than cumulatively considerable, thus less than cumulatively significant.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative hydrology and water quality impacts provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.10 - Land Use and Planning

4.10.1 - Divide Established Community

Response to CEQA Checklist Item X.a.

The existing Mangular facility and Mangular Park are located within an existing community. The proposed expansion of the existing facility would not physically divide the established community that surrounds the project site due to the limited expansion that will occur as a result of the project. The proposed construction of the new one-story (20 feet in height) building would not divide the existing community that surrounds the project site because it encompasses approximately 3,400 sq ft, which is a very small portion of the 3.63 acres that comprise Mangular Park. As such, the project would not divide the existing residential community located around Mangular Park. Therefore, the project will have no impact in this regard.

No new significant effects would occur and substantial changes to the environmental evaluation of the division of an established community provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.10.2 - Conflict with Applicable Plans, Policies, or Regulations

Response to CEQA Checklist Item X.b.

The GWMP PEIR identifies that there is a potential for the management strategies to conflict with the applicable land use designation or zoning. The project is located on a site that is designated as Park by the City's General Plan and Zoning maps. Additionally, the project site is listed as a Park on the City's Park and Facilities website. The proposed Blending Facility, which will be enclosed with a fence, encompasses approximately 0.2 acre of the existing 3.63 acres of Park. The 0.2 acre will no longer be available for recreational use; however, given the nominal amount of land required for the Blending Facility, the loss of 0.2 acre of Park is not considered to be substantial and would be less than significant. Moreover, the Blending Facility is considered an ancillary use for the Park and will replace an existing utility facility on the site. Therefore, the project is consistent with the "Park" land use and zoning designation for the site.

Based on a discussion provided in Section 4.8.4 above, the project site is not located within the land use compatibility zones of the Corona Municipal Airport Comprehensive Land Use Plan, and therefore, the proposed project would not conflict with this plan.

No new significant effects would occur and substantial changes to the environmental evaluation of conflicts with applicable land use plans, policies, or regulations provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.10.3 - Conflict with Conservation Plans

Response to CEQA Checklist Item X.c.

Refer to the response to CEQA Checklist Item IV.f under Biological Resources.

4.10.4 - Cumulative Impacts

The PEIR for the GWMP states that the management strategies could result in a significant impact to land use; however, mitigation measures are recommended in the PEIR to reduce the potential impacts of the management strategies to less than significant. The implementation of the project would not impact an established community and would be consistent with land use plans and policies; therefore, the project would result in no land use impacts. Since the project would result in no land use impacts, the project would not contribute to potential cumulative impacts resulting from other development within the City. Therefore, the land use mitigation measures recommended in the PEIR for the management strategies are not required for the proposed project.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative land use impacts provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.11 - Mineral Resources

4.11.1 - Loss of Known Mineral Resource or Recovery Site

Response to CEQA Checklist Items XI.a and XI.b.

According to the GWMP PEIR, the GWMP would result in no impacts on mineral resources. The project is located at the existing Mangular facility and within Mangular Park. The proposed facility would also result in no impact on mineral resources because the project site is not designated as a mineral resources site.

No new significant effects would occur and substantial changes to the environmental evaluation of mineral resources in the Corona GWMP PEIR would not be required for the implementation of the project.

4.11.2 - Cumulative Impacts

Since the GWMP PEIR stated that the GWMP would result in no impacts on mineral resources, the GWMP would not contribute to cumulative impacts to mineral resources. Therefore, the implementation of the project would result in no impact on mineral resources and would not contribute to cumulative impacts to mineral resources.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative mineral resources impacts in the Corona GWMP PEIR would not be required for the implementation of the project.

4.12 - Noise

4.12.1 - Exceed Noise Standards and Permanent/Temporary Increase in Ambient Noise Levels

Response to CEQA Checklist Items XII.a, XII.c, and XII.d.

Implementation of the project will result in increased noise levels during construction and operational activities. According to the GWMP PEIR, the management strategies may result in construction-related noise that could exceed the construction equipment standards and hourly limits at some of the sites, and there could be significant and unavoidable temporary construction impacts at noise sensitive receptors within 50 feet of construction activities. Similar to the management strategies evaluated in the GWMP PEIR, the project construction activities will be subject to the City of Corona's noise ordinance that restricts construction related noise to daytime hours from 7:00 am to 8:00 pm Monday through Saturday and 10:00 am to 6:00 pm on Sundays and federal holidays. However, due to the close proximity of the project site in relation to surrounding sensitive receptors (i.e., the homes located to the north, south and west of the project site), the project could have a potentially significant impact on sensitive receptors during the construction phase of the project similar to the construction noise effects discussed in the GWMP PEIR. However, based on an evaluation, the potential project construction effects will not be able to be reduced to less than significant levels, even with the implementation of mitigation measures. Therefore, this issue will be analyzed in a separate environmental document (a subsequent EIR).

The GWMP PEIR states that the operation of the proposed GWMP management strategies could result in long-term noise increase, as implementation of the strategies would result in the addition of mechanical and electrical equipment at some of the facilities, including the wastewater treatment plants. The GWMP PEIR identified mitigation measures to reduce potential operational impacts to less than significant. Due to the close proximity of the project site in relation to surrounding sensitive receptors (i.e., the homes located to the north, south and west of the project site), the project could have a potentially significant impact on sensitive receptors during the operational phases of the project. Based on an evaluation, there are no available mitigation measures to reduce the potential significant noise impacts. These potential operational noise impacts could be significant and unavoidable. The operational activities that are expected to be significant and unavoidable include the operation of the emergency generator, when required, as well as the activities associated with the twice per month delivery of chemicals and twice per year delivery of fuel. Because these potential operational effects are new significant and unavoidable effects that were not addressed in the GWMP PEIR, the project's operation noise effects will be analyzed in a separate environmental document (a subsequent EIR).

4.12.2 - Excessive Groundborne Vibration

Response to CEQA Checklist Item XII.b.

The GWMP PEIR states that construction activities associated with management strategies that require vibratory pile driving activities within 50 feet of sensitive receptors could result in significant vibration impacts. Based on the Environmental Noise Study prepared by Weiland Acoustics, Inc. in

December 2012, all three phases of project construction will utilize heavy construction equipment (such as graders, excavators, or loaders) that are potential sources of ground-borne vibration. Using standard calculation techniques provided by the Federal Transit Administration, an estimate was made of the distances from heavy equipment items at which the applicable vibration thresholds were assessed. The City of Corona's vibration standard of 0.05 inches per second (in/s) root mean square (RMS) will occur at distances of 15 feet or less from the equipment. The potential building damage threshold of 0.3 in/s peak particle velocity (PPV) will occur at distances of 11 feet or less from the equipment. Based on the project site plan, there are no existing buildings within 15 feet of the project construction area. Therefore, vibration associated with project construction would result in less than significant vibration impacts.

With regard to vibration from project operations, the project would not generate noticeable levels of ground-borne vibration due to the distance of the proposed construction activities to existing structures. Therefore, potential vibration impacts would be less than significant.

No new significant effects would occur and substantial changes to the environmental evaluation of vibration impacts in the Corona GWMP PEIR would not be required for the implementation of the project.

4.12.3 - Public/Private Airport Noise Levels

Response to CEQA Checklist Items XII.e and XII.f.

Based on review of the GWMP PEIR, the management strategies would not place people in high-noise areas near airports. The project is not located within the Corona Municipal Airport's Comprehensive Land Use Plan, and it is located more than two miles south of the airport. In addition, the PEIR states that the project site is not located near a private airstrip. Based on the project's location, the project would result in no airport noise impacts.

No new significant effects would occur and substantial changes to the environmental evaluation of airport noise provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.12.4 - Cumulative Impacts

According to the GWMP PEIR, construction of the GWMP management strategies combined with other projects in the City of Corona could result in significant and unavoidable construction noise and vibration impacts and less than significant operational noise and vibration impacts after mitigation. As discussed above, the project will result in new construction and operational noise impacts that are significant. The project's significant construction and operational noise impacts will not be able to be reduced to less than significant levels even with implementation of mitigation measures. Therefore, the project will substantially contribute to cumulative construction and operational noise levels. These specific impacts were not addressed in the GWMP PEIR. Therefore, these noise impacts will be analyzed in a subsequent EIR for the project.

Cumulative vibration impacts of the management strategies in the GWMP PEIR were found to be significant due to the potential for cumulative projects to cause cumulative vibration impacts. Implementation of the project would not result in significant vibration impacts due to the distance of the proposed construction activities to existing structures. Therefore, the project's contribution to potential cumulative vibration impacts is less than cumulatively considerable. No new significant effects would occur and substantial changes to the environmental evaluation of cumulative vibration impacts addressed in the Corona GWMP PEIR would not be required for the implementation of the project.

4.13 - Population and Housing

4.13.1 - Population Growth and Housing/Population Displacement

Response to CEQA Checklist Items XIII.a through XIII.c.

According to the GWMP PEIR, the management strategies would result in no impacts on population and housing. The project will provide for improved water blending at the Mangular facility; however, no additional potable water is being generated by the project. The implementation of the project would not induce population growth or impact housing.

No new significant effects would occur and substantial changes to the environmental evaluation of population and housing provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.13.2 - Cumulative Impacts

Since the PEIR states that the implementation of the GWMP management strategies would result in no impacts on population and housing, these management strategies would not contribute to significant cumulative impacts on population and housing. Similarly, the implementation of the project would not induce population growth or impact housing. Therefore, the project would not contribute to potential cumulative impacts on population and housing.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative population and housing provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.14 - Public Services

4.14.1 - Fire, Police, Schools, Parks, and Other Public Facilities

Response to CEQA Checklist Item XIV.a

The GWMP PEIR stated that the management strategies would result in no impacts on public services including police, fire, schools, parks, and other public facilities. The implementation of the project will improve the existing blending operations on-site. The addition of the proposed facilities will not create a new or increased demand for police or fire protection services because there are existing water facilities on the project site, which will be replaced by the Project facilities, or create a

demand for new schools because no new long-term employees would be generated. In addition, no new parks or other public facilities would be required because the project would not create a demand for these facilities. Therefore, the proposed project would result in no impacts on police, fire, schools, parks, and other public facilities.

No new significant effects would occur and substantial changes to the environmental evaluation of public services provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.14.2 - Cumulative Impacts

Since the PEIR identified the implementation of the GWMP management strategies would result in no impacts on public services, these management strategies would not contribute to significant cumulative impacts on public services. Similarly, the implementation of the project would not increase the need for additional public services as described above, and therefore, the project would not contribute to potential cumulative impacts on public services.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative public services provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.15 - Recreation

4.15.1 - Increase Park Use and Effect Recreational Facilities

Response to CEQA Checklist Items XV.a and XV.b.

The GWMP PEIR states that the management strategies could be located on or near existing or planned recreational resources and could interrupt access to and use of recreational facilities. The City would ensure access to public facilities and recreational resources is maintained during project construction by implementing a Traffic Control Plan as described in Mitigation Measure 3.12-1a and 3.12-1c in Chapter 3.12. No recreation facilities would be permanently lost due to implementation of the GWMP.

The proposed Manglar Blending Facility project would not result in the long-term removal of existing recreational facilities and would not increase the use of existing parks and recreational facilities. The existing tennis courts located on the east side of Manglar Park will be temporarily inaccessible to ensure safety during the construction of the Manglar Blending Facility. In addition, a portion of turf area of Manglar Park will also be inaccessible due to the need for a construction staging area. Once construction is completed, the tennis courts and the turf area will be available for use.

As discussed in CEQA Checklist Item X.b., the fenced portion of the proposed Blending Facility encompasses approximately 0.2 acre of the existing 3.63 acres of Park. The 0.2 acre will no longer be available for recreational use; however, given the nominal amount of land required for the Blending

Facility, the loss of access to 0.2 acre of the existing Mangular Park is not considered to be substantial, and would be less than significant.

4.15.2 - Cumulative Impacts

Per the PEIR for the GWMP, the geographic context for the analysis of cumulative impacts associated with recreational facilities is the City and Sphere of Influence. The City's General Plan EIR finds that impacts to recreational resources associated with build-out of the General Plan are less than significant. Construction of the GWMP management strategies (which includes the project) could temporarily affect recreational resources due to access limitations resulting from construction activities. Furthermore, the project will eliminate approximately 0.2 acre from existing turf area at Mangular Park. However, the project's contribution to potential cumulative impacts to recreational facilities is considered less than cumulatively considerable, thus less than cumulatively significant.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative recreational facilities provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.16 - Transportation/Traffic

4.16.1 - Conflict with Plans, Ordinances, Policies and Congestion Management Plan

Response to CEQA Checklist Items XVI.a and XVI.b.

According to the GWMP PEIR, the management strategies would not result in any new facilities that would generate long-term changes in traffic and would not permanently reduce levels of service in any roadways in the City. However, the PEIR stated that construction associated with the management strategies would generate short-term increases in traffic on regional and local roadways due to worker vehicle trips and truck trips for material hauling. The addition of construction trips on the roadways could significantly affect traffic and levels of service in the local roadways. Construction mitigation measures are recommended in the PEIR to reduce the potential impact on roadways.

With the project, chemical deliveries would occur up to twice per month for up to 30 minutes and fuel deliveries would occur up to twice per year. Both the chemical and fuel deliveries would occur during the daytime hours and would not occur at the same time. The project would result in a nominal increase in long-term traffic, as traffic associated with buildout of the project consists only of chemical deliveries and fuel deliveries, and therefore would result in a less than significant impact on local roadways.

Similar to the GWMP management strategies, the project will increase traffic volumes during construction activities. These construction activities could also result in construction trips that could significantly impact traffic and level of service in the local roadways. To reduce these potential construction traffic impacts, traffic mitigation measures identified in the PEIR shall be implemented with the project. These mitigation measures are as follows:

MM 3.12-1a The City's construction contractor shall prepare and implement a Traffic Control/Traffic Management Plan subject to approval by the City prior to construction. The plan shall:

- Identify hours of construction and hours for deliveries;
- Include a discussion of haul routes, limits on the length of open trench, work area delineation, traffic control and flagging;
- Identify all access and parking restrictions, pavement markings and signage requirements (e.g., speed limit, temporary loading zones);
- Maintain access to residence and business driveways, public facilities, and recreational resources at all times to the extent feasible; Minimize access disruptions to businesses and residences;
- Layout a plan for notifications and a process for communication with affected residents and businesses prior to the start of construction. Advance public notification shall include posting of notices and appropriate signage of construction activities. The written notification shall include the construction schedule, the exact location and duration of activities within each street (i.e., which lanes and access point/driveways would be blocked on which days and for how long), and a toll-free telephone number for receiving questions or complaints;
- Include a plan to coordinate all construction activities with emergency service providers in the area at least one month in advance. Emergency service providers shall be notified of the timing, location, and duration of construction activities. All roads shall remain passable to emergency service vehicles at all times;
- Include a plan to coordinate all construction activities with the Corona-Norco Unified School District at least two months in advance. The Corona-Norco Unified School
- District shall be notified of the timing, location, and duration of construction activities. The City shall require its contractor to maintain vehicle, pedestrian, and school bus service during construction through inclusion of such provisions in the construction contract. The assignment of temporary crossing guards at designated intersections may be needed to enhance pedestrian safety during project construction.

In addition, the following provisions shall be met:

- Pipeline construction near schools shall occur when school is not in session (i.e., summer or holiday breaks). If this is not feasible, a minimum of two months prior to project construction, the implementing agencies shall coordinate with the Corona-Norco Unified School District to identify peak circulation periods at schools along the alignment(s) (i.e., the arrival and departure of students), and require their contractor to avoid construction and lane closures during those periods;

- A minimum of two months prior to project construction, the implementing agencies shall coordinate with the Corona-Norco Unified School District to identify alternatives for the school busing routes and stop locations, and other circulation provisions, as part of the Traffic Control/Traffic Management Plan;
- Include the requirement that all open trenches be covered with metal plates at the end of each workday to accommodate traffic and access; and
- Specify the street restoration requirements pursuant to agreements with the local jurisdictions.

MM 3.12-1b The City shall identify all roadway locations where special construction techniques (e.g., horizontal boring, directional drilling, or night construction) will be used to minimize impacts to traffic flow.

MM 3.12-1c The City shall develop circulation and detour plans to minimize impact to local street circulation, including bikeways. This may include the use of signing and flagging to guide vehicles and cyclists through and/or around the construction zone.

MM 3.12-1d The City shall encourage construction crews to park at staging areas to limit lane closures in the public right-of-way.

MM 3.12-1e Peak travel periods shall be avoided when considering partial road closures.

MM 3.12-1f The City shall consult with RTA at least one month prior to construction to coordinate bus stop relocations (if necessary) and to reduce potential interruption of transit service.

With the implementation of the above mitigation measures that are from the GWMP PEIR, traffic impacts associated with the project would be reduced to less than significant. No new significant effects would occur and substantial changes to the environmental evaluation of an applicable plan, ordinance, or policy including an applicable congestion management plan provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.16.2 - Air Traffic Patterns

Response to CEQA Checklist Item XVI.c.

The GWMP PEIR states that the management strategies would not change air traffic patterns because structural facilities associated with the management strategies are not located immediately adjacent to airports. Similarly, the implementation of the project would not change air traffic patterns due to the Project site's distance of over two miles to the nearest airport. Therefore, the project would result in no impact on air traffic patterns.

No new significant effects would occur and substantial changes to the environmental evaluation of airport traffic patterns provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.16.3 - Traffic Hazards

Response to CEQA Checklist Item XVI.d.

The GWMP PEIR states that construction projects associated with the GWMP management strategies would not substantially increase traffic hazards resulting from design features or incompatible uses. However, the PEIR states that the implementation of Traffic Control/Traffic Management Plan as well as other measures (i.e., Mitigation Measures 3.12-1a through 3.12-1f) would reduce potential impacts to less than significant. There will be haul trucks for material during project construction activities that may cause temporary hazards during hauling activities, but the implementation of Mitigation Measures 3.12-1a through 3.12-1f would reduce potential impacts to less than significant.

No new significant effects would occur and substantial changes to the environmental evaluation of traffic hazards provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.16.4 - Emergency Access

Response to CEQA Checklist Item XVI.e.

The GWMP PEIR states that construction projects associated with the GWMP management strategies would include direct disruption of traffic flows and street operations. However, the implementation of Mitigation Measures 3.12-1a through 3.12-1f would reduce potential impacts to less than significant. There will be haul trucks for material during project construction activities that may cause disruption of emergency access; however, the implementation of Mitigation Measures 3.12-1a through 3.12-1f would reduce potential traffic impacts to less than significant.

No new significant effects would occur and substantial changes to the environmental evaluation of emergency access provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.16.5 - Public Transit, Bicycle, or Pedestrian Facilities

Response to CEQA Checklist Item XVI.f.

As described in the PEIR for the GWMP, construction projects associated with the GWMP would have no long-term impacts on demand for alternative transportation or on alternative transportation facilities (i.e., transit and bicycles). Impacts to alternative transportation would mainly result from construction of the proposed facilities. Pipeline construction could disrupt alternative transportation routes and could require partial lane closures. However, implementation of Mitigation Measures 3.12-1c and 3.12-1f would ensure that potential impacts to bikeways and transit service would be reduced to less than significant. The proposed Mangular Blending Facility project would implement mitigation measures 3.12-1c and 3.12-1f from the GWMP and in doing so would result in a less than significant impact.

No new significant effects would occur and substantial changes to the environmental evaluation of public transit, bicycle, or pedestrian facility access provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.16.6 - Cumulative Impacts

The GWMP PEIR states that the construction of the management strategies combined with other projects in the City and sphere-of-influence could affect traffic and circulation in the region. Mitigation Measures 3.12-1a through 3.12-1f would reduce potential impacts to less than significant. Construction activities associated with the project would contribute to haul truck traffic on the local streets. These activities could result in a traffic impact, but the implementation of Mitigation Measures 3.12-1a and 3.12-1c would reduce the project's contribution to potential traffic impacts to less than cumulatively considerable; thus less than cumulatively significant.

Additionally, implementation of Mitigation Measure 3.12-7 in the GWMP PEIR would require the City to take into consideration the effects of other construction activities occurring simultaneously in the same geographic area. Impacts would be less than significant with mitigation.

MM 3.12-7 The City of Corona shall communicate and coordinate project construction activities with other municipalities and agencies in the project area. Phasing of project construction shall be coordinated to minimize cumulative impacts to traffic and circulation.

No new significant effects would occur and substantial changes to the environmental evaluation of cumulative traffic impacts provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.17 - Utilities and Service Systems

4.17.1 - Wastewater Treatment Requirements, Water/Wastewater Treatment Facilities, Water Supplies, and Wastewater Treatment Capacity

Response to CEQA Checklist Items XVII.a, XVII.b, XVII.d, and XVII.e.

According to the GWMP PEIR, the management strategies would not generate additional sources of wastewater and thus would not exceed the requirements of the applicable Regional Water Quality Control Board, or exceed the capacity of the wastewater service provider. The project consists primarily of construction of a new Manglar Blending Facility. The project would not add wastewater, but would provide enhanced facilities for the blending of high nitrate water with low nitrate water. Therefore, the project would not exceed the requirements of the applicable Regional Water Quality Control Board because the project would not produce wastewater.

In addition, the project would not increase the demand for water supplies, but would improve water supply by providing improved blended water. The project would result in beneficial impacts on the quality of the water supplies.

No new significant effects would occur and substantial changes to the environmental evaluation of water and wastewater impacts provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.17.2 - Drainage Facilities

Response to CEQA Checklist Item XVII.c.

According to the GWMP PEIR, the management strategies would not require the construction of new storm water drainage facilities; therefore, there would be no impact on existing storm water facilities. The project includes the addition of impervious surfaces through the implementation of the Blending Facility and the proposed access drive. The additional impervious surfaces will be approximately 0.2 acre. This increase in impervious surfaces would result in a nominal and less than significant impact on existing drainage features.

No new significant effects would occur and substantial changes to the environmental evaluation of storm water drainage facilities provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.17.3 - Landfill Capacity and Solid Waste Regulations

Response to CEQA Checklist Item XVII.f and XVII.g.

According to the GWMP PEIR, the implementation of the management strategies would generate solid waste, including excavated soils. The PEIR states that Mitigation Measures 3.13-7a and 3.13-7b are proposed to reduce the amount of solid waste expected to be generated. As a result, impacts would be less than significant with the implementation of these mitigation measures.

The implementation of the project would also result in the generation of solid waste. The implementation of Mitigation Measures 3.13-7a and 3.13-7b would also reduce the amount of solid waste expected to be generated by the project and potential impacts would be less than significant.

MM 3.13-7a The City of Corona shall include project facility design and construction methods that produce less waste, or that produce waste that could more readily be recycled or reused.

MM 3.13-7b The City of Corona shall require the construction contractor to include plans for recovering, reusing, and recycling wastes produced through construction and excavation activities in construction specifications.

Furthermore, the project would comply with existing federal, state, and local statutes and regulations related to solid waste and would result in a less than significant impact on solid waste statutes and regulations.

No new significant effects would occur and substantial changes to the environmental evaluation of solid waste and landfills provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.17.4 - Cumulative Impacts

According to the GWMP PEIR, the management strategies could result in temporary disruptions to utilities or increases in the demand for landfill capacity. However, implementation of Mitigation Measures 3.13-1a through 3.13-1c, 3.13-7a, and 3.13-7b will ensure that the proposed GWMP's incremental contribution to cumulative impacts on public services and utilities would not be cumulatively considerable. The following mitigation measures that were identified in the GWMP PEIR could reduce the project's contribution to potential cumulative impacts to less than cumulatively considerable.

MM 3.13-1a The locations of overhead and underground utility lines, such as natural gas, electricity, sewage, storm drains, telephone, fuel, and water lines, shall be verified by contractors through field surveys and other methods prior to construction. In areas where unanticipated underground utilities are found, plans to minimize service impacts shall be developed and worked out with the affected utilities.

MM 3.13-1b As necessary, detailed specifications shall be prepared as part of the design and engineering plans to include procedures for the excavation, support, and fill of areas around utility cables and pipes. Affected utility services shall be notified of construction plans and schedule. Arrangements shall be made with these entities regarding protection, relocation, or temporary disconnection of services.

MM 3.13-1c Residents and businesses in the project area shall be notified of any planned utility service disruption, in conformance with county and state standards.

In addition, the implementation of Mitigation Measures 3.13-7a and 3.13-7b would reduce the project's contribution to cumulative impacts on landfills to less than cumulatively considerable.

No new significant effects would occur and substantial changes to the environmental evaluation of utilities and service systems provided in the Corona GWMP PEIR would not be required for the implementation of the project.

4.18 - Mandatory Findings of Significance

4.18.1 - Degradation of the quality of the environment, species impacts and history/prehistory

Response to CEQA Checklist Items XVIII.a.

As described in the Biological Resources section of this document, the project site contains trees that surround the existing tennis court that could provide potential nesting habitat for sensitive or special status avian species. Therefore, mitigation measures from the Corona GWMP will be implemented

to reduce impacts to a less than significant level (i.e., Mitigation Measures 3.3-2a through 3.3-2c). Similarly, construction activities associated with the project could result in significant impacts on cultural resources, but the potential impacts would be reduced to less than significant with the implementation of mitigation measures (i.e., Mitigation Measures 3.5-1c, 3.5-2, and 3.5-3)

4.18.2 - Short-Term/Long-Term Environmental Goals, Adverse Effects on human beings

Response to CEQA Checklist Items XVIII.b, and XVIII.d.

The project has the potential to degrade the environment via noise impacts temporarily (during construction) and over the life of the project due to periodic deliveries of fuel and chemicals to the project site (i.e., up to twice per year for fuel deliveries and twice per month for chemical deliveries). The issue of noise impacts from the project will be addressed in a Subsequent Environmental Impact Report.

4.18.3 - Cumulatively Considerable

Response to CEQA Checklist Items XVIII.c.

Based on the analysis provided in this document, the only potentially significant cumulative impact from the project is noise. Cumulative impacts from all other environmental topics are adequately addressed and/or mitigated for, as identified in the discussion of environmental issues in this document. Therefore, the cumulative noise issue will be addressed in a Subsequent Environmental Impact Report.

SECTION 5: REFERENCES

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**Appendix A:
Air Quality and Greenhouse Gas Methodology and Model Output**



**Air Quality and Greenhouse Gas
Methodology and Model Output
Manglar Blending Facility Project
City of Corona, California**

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ACRONYMS AND ABBREVIATIONS

$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
AB	Assembly Bill
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CO	carbon monoxide
CO ₂	carbon dioxide
DPM	diesel particulate matter
EPA	Environmental Protection Agency
MTCO _{2e}	metric tons of carbon dioxide equivalent
MMTCO _{2e}	million metric tons of carbon dioxide equivalent
NO _x	nitrogen oxides
PM _{2.5}	particulate matter less than 2.5 microns in diameter
PM ₁₀	particulate matter less than 10 microns in diameter
ppm	parts per million
ppt	parts per trillion
ROG	reactive organic gases
SB	Senate Bill
SCAQMD	South Coast Air Quality Management District
SO _x	sulfur oxides
VOC	volatile organic compounds

SECTION 1: EXECUTIVE SUMMARY

1.1 - Purpose and Methods

The following contains a brief explanation of the modeling assumptions and the model output for the air quality and greenhouse modeling for the Mangular Blending Facility project. It is in support of the Environmental Evaluation for the project and is intended to be an appendix of that document.

1.2 - Standard Conditions

During construction and operation, the project must comply with applicable rules and regulations. The following are rules the project may be required to comply with, either directly, or indirectly.

1.2.1 - South Coast Air Quality Management District Rules

SCAQMD Rule 402 prohibits a person from discharging 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.

SCAQMD Rule 403 governs emissions of fugitive dust during construction and operation activities. Compliance with this rule is achieved through application of standard Best Management Practices, such as application of water or chemical stabilizers to disturbed soils, covering haul vehicles, restricting vehicle speeds on unpaved roads to 15 miles per hour, sweeping loose dirt from paved site access roadways, cessation of construction activity when winds exceed 25 mph, and establishing a permanent ground cover on finished sites.

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.

Rule 403 measures may include but are not limited to the following:

- Apply nontoxic chemical soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Water active sites at least three times daily. (Locations where grading is to occur will be thoroughly watered prior to earthmoving.)

- Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 0.6 meters (2 feet) of freeboard (vertical space between the top of the load and top of the trailer) in accordance with the requirements of California Vehicle Code section 23114.
- Reduce traffic speeds on all unpaved roads to 15 miles per hour (mph) or less.
- Suspension of all grading activities when wind speeds (including instantaneous wind gusts) exceed 25 mph.
- Bumper strips or similar best management practices shall be provided where vehicles enter and exit the construction site onto paved roads or wash off trucks and any equipment leaving the site each trip.
- Replanting disturbed areas as soon as practical.
- During all construction activities, construction contractors shall sweep onsite and off-site streets if silt is carried to adjacent public thoroughfares, to reduce the amount of particulate matter on public streets. All sweepers shall be compliant with SCAQMD Rule 1186.1, Less Polluting Sweepers.

SCAQMD Rule 1401, New Source Review of Toxic Air Contaminants, specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units, which emit toxic air contaminants.

SECTION 2: MODELING PARAMETERS AND ASSUMPTIONS

2.1 - Model Selection

Air pollutant emissions can be estimated by using emission factors and a level of activity. Emission factors are the emission rate of a pollutant given the activity over time; for example, grams of NOX per horsepower hour. The ARB has published emission factors for on-road mobile vehicles/trucks in the EMFAC mobile source emissions model and emission factors for off-road equipment and vehicles in the OFFROAD emissions model.

The activity for construction equipment is based on the horsepower and load factors of the equipment. In general, the horsepower is the power of an engine – the greater the horsepower, the greater the power. The load factor is the average power of a given piece of equipment while in operation compared with its maximum rated horsepower. A load factor of 1.0 indicates that a piece of equipment continually operates at its maximum operating capacity. An air emissions model (or calculator) combines the emission factors and the various levels of activity and outputs the emissions for the various pieces of equipment.

The California Emissions Estimator Model (CalEEMod) was developed in cooperation with the SCAQMD and other air districts throughout the state. CalEEMod is designed as a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and greenhouse gas emissions associated with construction and operation from a variety of land uses. According to SCAQMD, the decision to continue using the URBEMIS model is up to the lead agency. The Lead Agency has decided to use CalEEMod for this analysis.

The emissions modeling for the project conducted in March 2013 used CalEEMod version 2011.1.1 to estimate project-generated construction and operational air pollutant emissions. The emissions analysis was based on the project schedule at that time, which anticipated that construction would begin in 2013 and be within the same year. The current project schedule anticipates that project construction will begin in 2014. Essentially, the construction schedule has been moved by one year. The construction phasing, phase components, and equipment assumptions have not changed; the emissions modeling inputs for activity remain the same. Generally, emissions factors for future years are lower (cleaner) than emissions factors in older years. Therefore, the original analysis that estimates emissions in year 2013, represents a conservative emissions analysis, and revisions to the analysis to model for year 2014 is not required or warranted to appropriately assess potential air quality impacts.

CalEEMod 2011.1.1 was released in March 2011, and was programmed with emission factors and defaults available at that time, such as OFFROAD2007 and EMFAC2007 emission factors for off-road equipment exhaust and on-road mobile emissions, respectively. CalEEMod has been updated since the project emissions modeling. The model version current at the time of this document is CalEEMod 2013.2.2. CalEEMod 2013.2.2 contains several updates over CalEEMod 2011.1.1, most relevant to the project analysis include:

- Update off-road and on-road vehicle exhaust emissions to OFFROAD2011 and EMFAC2011.
- Update the off-road vehicle load factors to ARB's revised load factors (about 33 percent lower than previous load factors).

Reduction in the default load factor for off-road equipment defaults in CalEEMod results in a corresponding decrease in estimated emissions. Therefore, the update to CalEEMod off-road equipment assumptions would result in a lower emissions estimate for the proposed project's construction emissions. The update to EMFAC2011 emission factors for on-road vehicle emissions includes the emissions benefits of ARB's recent rulemakings, including on-road diesel fleet rules, Pavley Clean Car Standards, and the Low Carbon Fuel standard. These emissions assumptions result in lower on-road emissions estimates. Therefore, the August 2013 modeling analysis, using CalEEMod 2011.1.1, represents a conservative emissions analysis, and revisions to the analysis is not required or warranted to appropriately assess potential air quality impacts.

2.2 - Construction

Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and prevailing weather conditions. Construction emissions result from onsite and off-site activities. Onsite emissions principally consist of exhaust emissions (NO_x, SO_x, CO, VOC, PM₁₀, and PM_{2.5}) from heavy-duty construction equipment, motor vehicle operation, and fugitive dust (mainly PM₁₀) from disturbed soil. Additionally, paving operations would release VOC emissions. Off-site emissions are caused by motor vehicle exhaust from delivery vehicles, worker traffic, and road dust (PM₁₀ and PM_{2.5}).

The construction emissions were estimated using the California Emissions Estimator Model Version 2011.1.1 (CalEEMod).

2.3 - Construction Assumptions

The assumed construction equipment list is shown in Table 1 and the construction worker and haul trips are presented in Table 2. The default off-site trip length for worker trips (10.8 miles) is used in this analysis because specific information is unknown at this time. Hauling trips were assumed to be 11.2 miles one-way, as soil was assumed to be transported to the El Sobrante Landfill southeast of the project site.

Table 1: Construction Equipment Assumptions

Activity	Equipment	Maximum Number per day	Hours per day per equipment	Horse-power	Load Factor
Phase 1 Site Preparation and yard piping	Excavators	1	8	157	0.57
	Generator sets	1	8	84	0.74
	Off-highway trucks	1	8	381	0.57
	Rubber tired loaders	1	8	87	0.54
Phase 2 Backfill and construction of building	Cement and mortar mixers	1	4	9	0.56
	Excavators	1	8	157	0.57
	Generator sets	1	8	84	0.74
	Other construction equipment	1	4	327	0.62
	Rubber tired loaders	1	8	87	0.54
Phase 3 Equipment installation, final testing, and onsite demolition	Concrete/industrial saws	2	8	81	0.73
	Generator sets	1	8	84	0.74
	Off-highway trucks	1	8	381	0.57
	Tractors/loaders/backhoes	1	8	75	0.55
	Welders	1	8	46	0.45
Phase 3 Demolition Hauling	No off-road equipment, on-road hauling component only				
Sources: - Equipment name is as contained in CalEEMod (further description is shown in parentheses). - Equipment number and hours is from City of Corona Department of Water and Power, Vernon Weisman, December 11, 2012. - Horsepower and load factor from CalEEMod default.					

Table 2: Construction Off-Site Trips

Phase	Worker Trips/day	Haul Trips/day
Phase 1 Site Preparation and yard piping	10	143
Phase 2 Backfill and construction of building	13	220
Phase 3 Equipment installation, final testing, and onsite demolition	0	0
Phase 3 Demolition Hauling	0	2
Source of worker trips: CalEEMod default assumptions Source of haul trips: There would be approximately 2,200 cubic yards of earthwork for the blending station and associated delivery area. There would be approximately 1,430 cubic yards of excavation for the pipeline components.		

The construction durations are used in the greenhouse gas emissions analysis, as the emissions are presented on an annual basis. The daily activity is utilized for the criteria pollutant emissions analysis. CalEEMod does not have a default construction duration for this type of project. Therefore, the duration was estimated as shown in Table 3.

Table 3: Construction Duration

Phase	Project Duration (working days)
Phase 1 Site Preparation and yard piping	65 days
Phase 2 Backfill and construction of building	90 days
Phase 2 Paving	5 days
Phase 3 Equipment installation, final testing, and onsite demolition	185 day
Phase 3 Demolition Hauling	25 days
Source: City of Corona 2012.	

The CalEEMod default tiers are used in this analysis. The “tier” of an engine depends on the model year and horsepower rating; generally, the newer a piece of equipment is, the greater the tier it is likely to have. Excluding engines greater than 750 horsepower, Tier 1 engines were manufactured generally between 1996 and 2003. Tier 2 engines were manufactured between 2001 and 2007. Tier 3 engines were manufactured between 2006 and 2011. Tier 4 engines are the newest and some incorporate hybrid electric technology; they were manufactured after 2007 (South Coast Air Quality Management District 2011).

During some construction activities, fugitive dust can be generated from the movement of dirt on the project site. CalEEMod estimates dust from dozers moving dirt around, dust from graders or scrapers leveling the land, and loading or unloading dirt into haul trucks. Each of those activities is calculated differently in CalEEMod based on the number of acres traversed by the grading equipment. During excavation for yard piping, there would be 1,430 cubic yards of export, which was entered into CalEEMod to estimate onsite fugitive dust and hauling emissions. In addition, 2,200 cubic yards would be exported during Phase 2 for the project. There is 0.165 acre of disturbed acreage (7,200 square feet).

SCAQMD Rule 403 requires fugitive dust generating activities follow best available control measures to reduce emissions of fugitive dust. For the phases that include a water truck, these measures are accounted for in CalEEMod as “mitigation” because the model categorizes the measures as “mitigation,” even though they are technically not mitigation. The rule is accounted for in CalEEMod

by the mitigation for watering exposed area three times per day, for a 61 percent PM₁₀ and PM_{2.5} reduction from those sources.

2.4 - Operation

Operational emissions are those emissions that occur during operation of the project. The only increases in operational emissions are three delivery trips per month and an increase in electricity. There would be a nominal increase in maintenance trips because maintenance personnel would periodically go to the project site and at worst case it would be once a day.

2.4.1 - Delivery Trips

There would be three delivery trips per month. For worst-case purposes, it is assumed that these trips would occur on the same day. It is assumed that the trips are heavy-heavy duty truck trips and the trip length is 50 miles per trip. The emissions are estimated by CalEEMod.

SECTION 3: REFERENCES

The following references were used in the preparation of this analysis and are referenced in the text and/or were used to provide the author with background information necessary for the preparation of thresholds and content.

CalEEMod. California Emissions Estimator Model. Version 2011.1.1. Website:
<http://caleemod.com/>. Accessed December 18, 2011.

City of Corona Department of Water and Power, Vernon Weisman. Personal Communication.
December 4, 2012.

Appendix A: CalEEMod Model Output

Mangular Blending Facility - Mitigated
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
User Defined Industrial	1	User Defined Unit

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - 3,328 sf Masonry Building on 0.9 acre. 0.165 acre of grading will occur on the project site.

Construction Phase - demolition of 532 sf of existing facilities. All Phases set to 5 day duration

Off-road Equipment - 1 Generator, 1 Saw, 1 Concrete Saw, 1 Welder, 1 Backhoe, 1 Truck

Off-road Equipment - No Construction Equipment. Equipment from Demolition is included in Building Phase (Phase 3)

Off-road Equipment - 1 Generator, 1 Concrete Mixer (Cement and Mortar Mixers), 1 Concrete Pump (Other Construction Equipment), 1 Excavator, 1 Rubber Tired Loader

Off-road Equipment - 1 Excavator, 1 Generator, 1 Rubber Tired Loader, 1 Off-Highway Truck

Trips and VMT - 20 cubic yard trucks, Landfill 11.2 miles away

Demolition - 532 sf of demolition, Phase 3

Grading - 1,430 cy export during Site Prep (Phase 1), 2,200 cy export during Grading (Phase 2)

Vehicle Trips - Assumes up to 3 truck deliveries on any one day, but only 3 truck deliveries per month. 100 percent primary, 100 Percent C-W. 50 miles per trip.

Vehicle Emission Factors - 100 percent Heavy Heavy Duty Trucks

Vehicle Emission Factors - 100 percent Heavy Heavy Duty Trucks

Vehicle Emission Factors - 100 percent Heavy Heavy Duty Trucks

Energy Use - Assumes 24/7 operation of all three engines, 2 150hp, 1 350 hp, for a total of 4,247.72 kwh/year

Water And Wastewater - Assumes no increase in onsite water consumption

Construction Off-road Equipment Mitigation - Water exposed areas 3x per day, Vehicle speed 15 mph, water unpaved areas to 12% moisture

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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					
2013	5.62	41.36	22.57	0.05	3.11	2.40	5.13	0.08	2.40	2.40	0.00	5,629.65	0.00	0.50	0.00	5,640.18
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Mobile	0.52	6.30	2.70	0.01	0.38	0.27	0.65	0.03	0.27	0.30		1,185.80		0.02		1,186.25
Total	0.52	6.30	2.70	0.01	0.38	0.27	0.65	0.03	0.27	0.30		1,185.80		0.02	0.00	1,186.25

3.0 Construction Detail

3.1 Mitigation Measures Construction

- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.34	32.20	17.62	0.04		1.80	1.80		1.80	1.80	0.00	4,163.77		0.39		4,171.90
Total	4.34	32.20	17.62	0.04		1.80	1.80		1.80	1.80	0.00	4,163.77		0.39		4,171.90

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	0.78	9.10	4.28	0.01	1.91	0.34	2.25	0.04	0.34	0.38		1,360.94		0.04		1,361.74
Vendor	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
Worker	0.05	0.06	0.67	0.00	0.13	0.00	0.14	0.00	0.00	0.01		104.94		0.01		105.06
Total	0.83	9.16	4.95	0.01	2.04	0.34	2.39	0.04	0.34	0.39		1,465.88		0.05		1,466.80

3.3 Grading - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.21	24.19	14.79	0.03		1.49	1.49		1.49	1.49	0.00	3,029.40		0.29		3,035.46
Total	3.21	24.19	14.79	0.03		1.49	1.49		1.49	1.49	0.00	3,029.40		0.29		3,035.46

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	1.21	14.00	6.58	0.02	2.94	0.52	3.46	0.07	0.52	0.59		2,093.76		0.06		2,094.99
Vendor	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
Worker	0.06	0.07	0.87	0.00	0.17	0.01	0.18	0.01	0.01	0.01		136.42		0.01		136.58
Total	1.27	14.07	7.45	0.02	3.11	0.53	3.64	0.08	0.53	0.60		2,230.18		0.07		2,231.57

3.4 Building Construction - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.62	37.35	21.70	0.05		2.40	2.40		2.40	2.40	0.00	4,601.78		0.50		4,612.31
Total	5.62	37.35	21.70	0.05		2.40	2.40		2.40	2.40	0.00	4,601.78		0.50		4,612.31

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	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
Worker	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
Total	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

3.5 Demolition - 2013

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.04	0.00	0.04	0.00	0.00	0.00						0.00
Total					0.04	0.00	0.04	0.00	0.00	0.00						0.00

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	0.02	0.21	0.09	0.00	0.05	0.01	0.06	0.00	0.01	0.01		32.83		0.00		32.84
Vendor	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
Worker	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
Total	0.02	0.21	0.09	0.00	0.05	0.01	0.06	0.00	0.01	0.01		32.83		0.00		32.84

4.0 Mobile Detail

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	0.52	6.30	2.70	0.01	0.38	0.27	0.65	0.03	0.27	0.30		1,185.80		0.02		1,186.25
Unmitigated	0.52	6.30	2.70	0.01	0.38	0.27	0.65	0.03	0.27	0.30		1,185.80		0.02		1,186.25
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	6.00	6.00	6.00	109,200	109,200
Total	6.00	6.00	6.00	109,200	109,200

4.3 Trip Type Information

Land Use	Miles			Trip %		
	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
User Defined Industrial	50.00	50.00	50.00	0.00	100.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
User Defined Industrial	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	0.00					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.00					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00

**Mangular Blending Facility - Paving
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Other Asphalt Surfaces	6.212	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)		Utility Company	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -
 Land Use - 6,212sf of Paving in Phase II
 Construction Phase - Paving to occur over 5-10 working days, Assumption set to 5 working days for conservative purposes
 Off-road Equipment - Paving Equipment reflected in Phase II Grading Equipment List

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					
2013	0.07	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
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

2.2 Overall Operational

Not Applicable

3.0 Construction Detail

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

3.2 Paving - 2013

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						
Paving	0.07					0.00	0.00		0.00	0.00							0.00
Total	0.07					0.00	0.00		0.00	0.00							0.00

**Appendix B:
Hazardous Materials Database Search**

Mangular Blending Facility

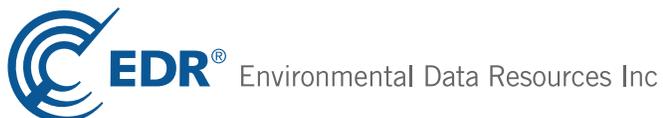
Mangular Avenue/Ontario

Corona, CA 92882

Inquiry Number: 3349212.1s

June 20, 2012

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

MANGULAR AVENUE/ONTARIO
CORONA, CA 92882

COORDINATES

Latitude (North): 33.8590000 - 33° 51' 32.40"
Longitude (West): 117.5982000 - 117° 35' 53.52"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 444664.8
UTM Y (Meters): 3746489.2
Elevation: 900 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-G5 CORONA SOUTH, CA
Most Recent Revision: 1988

North Map: 33117-H5 CORONA NORTH, CA
Most Recent Revision: 1981

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010
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-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

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

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report
SLIC..... Statewide SLIC Cases

EXECUTIVE SUMMARY

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

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

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 Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database
HIST UST..... Hazardous Substance Storage Container Database
SWEEPS UST..... SWEEPS UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Environmental Liens Listing
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
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
MINES..... Mines Master Index File
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
CA BOND EXP. PLAN..... Bond Expenditure Plan
WDS..... Waste Discharge System
UIC..... UIC Listing
NPDES..... NPDES Permits Listing
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
Notify 65..... Proposition 65 Records
DRYCLEANERS..... Cleaner Facilities
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
EPA WATCH LIST..... EPA WATCH LIST
MWMP..... Medical Waste Management Program Listing
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
2020 CORRECTIVE ACTION..... 2020 Corrective Action Program List
COAL ASH DOE..... Sleam-Electric Plan Operation Data
HWT..... Registered Hazardous Waste Transporter Database
HWP..... EnviroStor Permitted Facilities Listing
PROC..... Certified Processors Database
FINANCIAL ASSURANCE..... Financial Assurance Information Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ANDERSON, RICHARD L. & VI	1522 TILSON	NW 1/8 - 1/4 (0.150 mi.)	1	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

<u>Site Name</u>	<u>Database(s)</u>
WILD ROSE DEVELOPMENT	LUST
WHITEWATER ROCK & SUPPLY	AST
SAMS CLUB NO 4709	RCRA-SQG
SOUTHPOINTE PLAZA	SLIC
NWC OF ONTARIO & STATE	SLIC
TOWN & COUNTRY CLEANERS	SLIC

OVERVIEW MAP - 3349212.1s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- 0 1/4 1/2 1 Miles
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

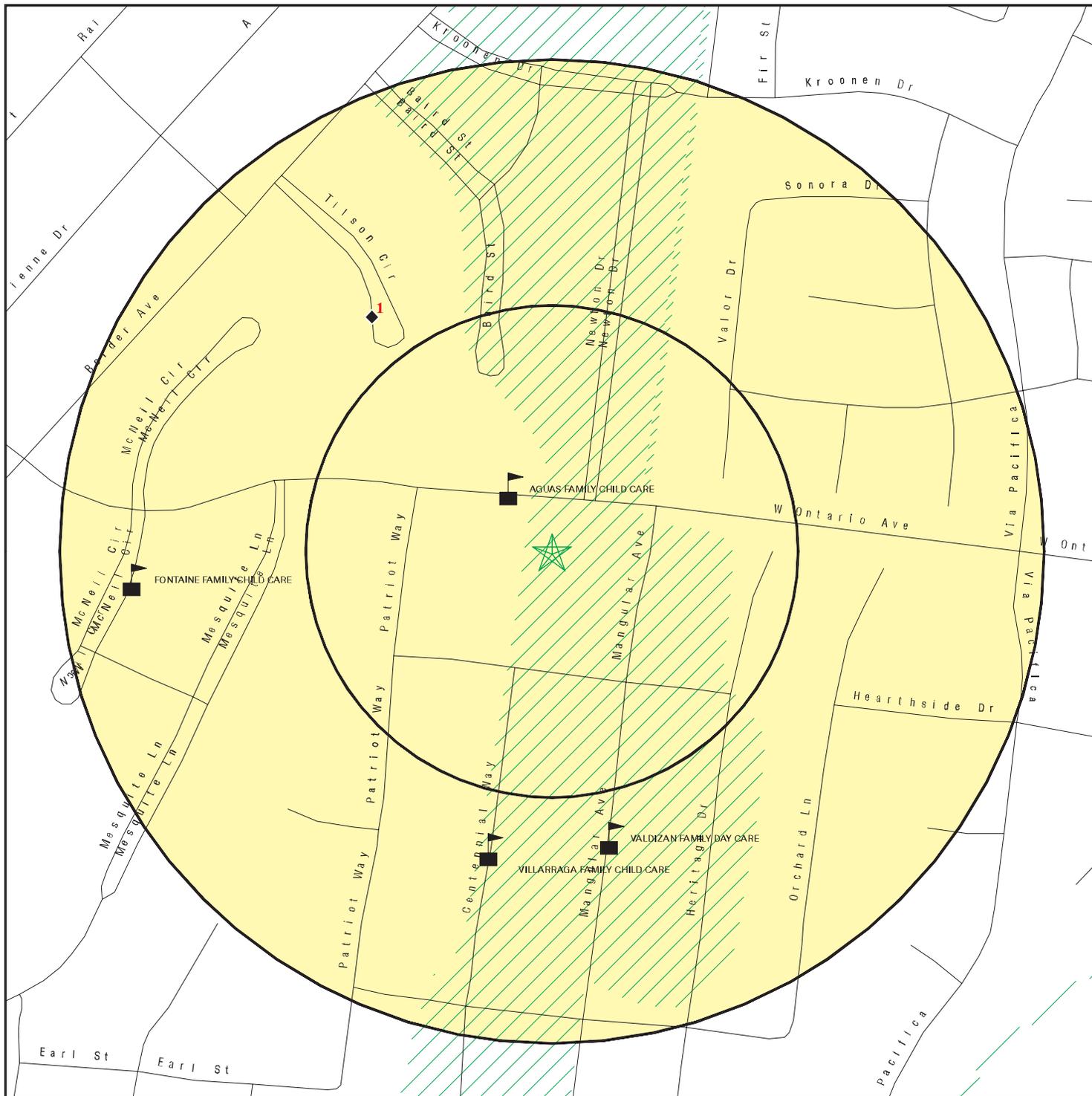


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mangular Blending Facility
 ADDRESS: Mangular Avenue/Ontario
 Corona CA 92882
 LAT/LONG: 33.859 / 117.5982

CLIENT: Michael Brandman Associates
 CONTACT: Arabesque Said
 INQUIRY #: 3349212.1s
 DATE: June 20, 2012 7:58 pm

DETAIL MAP - 3349212.1s



- ★ 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
- 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: Mangular Blending Facility
 ADDRESS: Mangular Avenue/Ontario
 Corona CA 92882
 LAT/LONG: 33.859 / 117.5982

CLIENT: Michael Brandman Associates
 CONTACT: Arabesque Said
 INQUIRY #: 3349212.1s
 DATE: June 20, 2012 7:59 pm

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	1.000		0	0	0	0	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	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<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
<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	0	NR	0
<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		0	0	0	NR	NR	0
SLIC	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
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		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	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
Other Ascertainable Records								
RCRA-NonGen	0.250		0	0	NR	NR	NR	0
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
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
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	1	0	NR	NR	1
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
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
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
2020 CORRECTIVE ACTION	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
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
EDR Historical Auto Stations	0.250		0	0	NR	NR	NR	0
EDR Historical Cleaners	0.250		0	0	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 FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
NW
1/8-1/4
0.150 mi.
793 ft.

ANDERSON, RICHARD L. & VI
1522 TILSON
CORONA, CA 91720

HIST CORTESE S105023410
N/A

Relative:
Lower

CORTESE:

Region:
Facility County Code:

CORTESE
18

Actual:
889 ft.

Reg By:
Reg Id:

WBC&D
6A189011N10

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CORONA	S105181570	SOUTHPOINTE PLAZA	N & A ONTARIO AVE		SLIC
CORONA	S106117708	WILD ROSE DEVELOPMENT	HWY 15 NEARCLAY CANYON		LUST
CORONA	1014387165	SAMS CLUB NO 4709	1375 W ONTARIO AVE	92882	RCRA-SQG
CORONA	S108985916	NWC OF ONTARIO & STATE	301 ONTARIO AVE		SLIC
CORONA	S106487193	TOWN & COUNTRY CLEANERS	156 ONTARIO AVE		SLIC
WHITEWATER	A100337156	WHITEWATER ROCK & SUPPLY	58645 OLD HWY 60	92882	AST

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: 05/08/2012	Source: EPA
Date Data Arrived at EDR: 05/10/2012	Telephone: N/A
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 05/10/2012
Number of Days to Update: 5	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/30/2012	Source: EPA
Date Data Arrived at EDR: 04/05/2012	Telephone: N/A
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/23/2012
	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/30/2012	Source: EPA
Date Data Arrived at EDR: 04/05/2012	Telephone: N/A
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/23/2012
	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: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 05/29/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/10/2012
	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: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/23/2012
	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: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 05/29/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/10/2012
	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: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
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: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 09/24/2012
	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: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 09/24/2012
	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: 04/02/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 04/03/2012
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/16/2012
	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: 05/07/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/08/2012	Telephone: 916-323-3400
Date Made Active in Reports: 05/23/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/07/2012
Date Data Arrived at EDR: 05/08/2012
Date Made Active in Reports: 05/23/2012
Number of Days to Update: 15

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/14/2012
Next Scheduled EDR Contact: 08/20/2012
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: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/29/2012
Number of Days to Update: 38

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/22/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: 05/09/2012
Date Data Arrived at EDR: 05/10/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/14/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Quarterly

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 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 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	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	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	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	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 05/09/2012
Date Data Arrived at EDR: 05/10/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/14/2012
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
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: 02/07/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
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: 04/23/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 103

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

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: 02/14/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 05/09/2012	Source: SWRCB
Date Data Arrived at EDR: 05/10/2012	Telephone: 916-341-5851
Date Made Active in Reports: 05/24/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 01/23/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/23/2012
	Data Release Frequency: Quarterly

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: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 05/01/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 02/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 103	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

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: 02/07/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/17/2012	Telephone: 913-551-7003
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Semi-Annually

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: 02/28/2012	Source: EPA Region 5
Date Data Arrived at EDR: 02/29/2012	Telephone: 312-886-6136
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011	Source: EPA Region 9
Date Data Arrived at EDR: 11/29/2011	Telephone: 415-972-3368
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

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: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 04/30/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/10/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/17/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 04/03/2012	Telephone: 617-918-1102
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/03/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/16/2012
	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: 05/07/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/08/2012	Telephone: 916-323-3400
Date Made Active in Reports: 05/23/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/27/2011	Telephone: 202-566-2777
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 78	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/26/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 05/15/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/27/2012
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/12/2012	Source: Department of Conservation
Date Data Arrived at EDR: 03/21/2012	Telephone: 916-323-3836
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/10/2012	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 05/10/2012	Telephone: 916-341-6422
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/03/2012
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/07/2012
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Varies

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: 02/02/2012	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/13/2012	Telephone: 202-307-1000
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 06/04/2012
Number of Days to Update: 93	Next Scheduled EDR Contact: 09/17/2012
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/07/2012
Date Data Arrived at EDR: 05/08/2012
Date Made Active in Reports: 05/23/2012
Number of Days to Update: 15

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/14/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 12/31/2011
Date Data Arrived at EDR: 02/14/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

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: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 06/04/2012
Number of Days to Update: 8	Next Scheduled EDR Contact: 09/17/2012
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	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.

Date of Government Version: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 80	Next Scheduled EDR Contact: 08/13/2012
	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: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/21/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/03/2012
	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: 03/12/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2012	Telephone: 916-323-3400
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/24/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/12/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/13/2012	Telephone: 916-323-3400
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 06/12/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/24/2012
	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: 04/01/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-366-4555
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 04/03/2012
Number of Days to Update: 72	Next Scheduled EDR Contact: 07/16/2012
	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: 03/28/2012	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/01/2012	Telephone: 916-845-8400
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 05/01/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 08/13/2012
	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: 05/09/2012	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/10/2012	Telephone: 866-480-1028
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

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: 05/09/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/10/2012	Telephone: 866-480-1028
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 15	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: 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: 03/15/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/04/2012	Telephone: (415) 495-8895
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/04/2012
Number of Days to Update: 41	Next Scheduled EDR Contact: 07/16/2012
	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: 07/29/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/09/2011	Telephone: 202-366-4595
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 05/08/2012
Number of Days to Update: 94	Next Scheduled EDR Contact: 08/20/2012
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/30/2012
	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.

Date of Government Version: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/11/2012
Number of Days to Update: 112	Next Scheduled EDR Contact: 09/24/2012
	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: 12/01/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/25/2012	Telephone: Varies
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/02/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/16/2012
	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: 02/27/2012	Source: EPA
Date Data Arrived at EDR: 03/14/2012	Telephone: 703-416-0223
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 06/13/2012
Number of Days to Update: 92	Next Scheduled EDR Contact: 09/24/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/29/2012
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Varies

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: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 06/05/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/17/2012
	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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/29/2012
Number of Days to Update: 131	Next Scheduled EDR Contact: 09/10/2012
	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.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2012
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/09/2012
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/23/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/10/2012
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/23/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	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.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/30/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/13/2012
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 98	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 06/11/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 09/24/2012
	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: 01/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/12/2012	Telephone: 202-343-9775
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	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: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (415) 947-8000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 06/12/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/24/2012
	Data Release Frequency: Quarterly

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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/01/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/29/2012
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/22/2012
Next Scheduled EDR Contact: 09/03/2012
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: 05/23/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 12/09/2011
Date Data Arrived at EDR: 02/29/2012
Date Made Active in Reports: 04/04/2012
Number of Days to Update: 35

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/13/2012
Next Scheduled EDR Contact: 10/01/2012
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: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 69

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
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 [CALSTITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
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: 01/19/2012
Date Data Arrived at EDR: 01/19/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 33

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
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
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/15/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 08/13/2012
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: 12/31/2010
Date Data Arrived at EDR: 07/19/2011
Date Made Active in Reports: 08/16/2011
Number of Days to Update: 28

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
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: 12/31/2008
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 10/18/2010
Number of Days to Update: 19

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/30/2012
Next Scheduled EDR Contact: 07/09/2012
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
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: 04/23/2012
Next Scheduled EDR Contact: 08/06/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/22/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 04/04/2012
Number of Days to Update: 40

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/21/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 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: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: N/A

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 05/04/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 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: 05/04/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/24/2012	Source: Department of Public Health
Date Data Arrived at EDR: 03/13/2012	Telephone: 916-558-1784
Date Made Active in Reports: 04/02/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/24/2012
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/12/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/24/2012
	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.

Date of Government Version: 03/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/17/2012	Telephone: 617-520-3000
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 05/15/2012
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/27/2012
	Data Release Frequency: Quarterly

2020 CORRECTIVE ACTION: 2020 Corrective Action Program List

This RCRA cleanup baseline includes facilities expected to need corrective action.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 05/18/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/27/2012
	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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/16/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/09/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/11/2010	Telephone: 916-323-3400
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 06/01/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/11/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/12/2012	Telephone: 916-440-7145
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 04/12/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/12/2012	Source: Department of Conservation
Date Data Arrived at EDR: 03/21/2012	Telephone: 916-323-3836
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary 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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary 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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/03/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/03/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/26/2012
Date Data Arrived at EDR: 03/28/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 41

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/07/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Semi-Annually

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: 06/15/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Quarterly

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: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
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: 09/29/2011	Source: Department of Public Works
Date Data Arrived at EDR: 12/15/2011	Telephone: 626-458-3517
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/23/2012	Source: La County Department of Public Works
Date Data Arrived at EDR: 04/24/2012	Telephone: 818-458-5185
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 04/24/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 08/06/2012
	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	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 05/21/2012
Number of Days to Update: 29	Next Scheduled EDR Contact: 09/03/2012
	Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011	Source: Community Health Services
Date Data Arrived at EDR: 02/02/2012	Telephone: 323-890-7806
Date Made Active in Reports: 02/21/2012	Last EDR Contact: 04/16/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/06/2012
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/26/2012	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 05/01/2012	Telephone: 310-524-2236
Date Made Active in Reports: 05/24/2012	Last EDR Contact: 04/17/2012
Number of Days to Update: 23	Next Scheduled EDR Contact: 08/06/2012
	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: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 04/30/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 03/16/2012	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 04/16/2012	Telephone: 310-618-2973
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

MARIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/13/2012
Date Data Arrived at EDR: 01/24/2012
Date Made Active in Reports: 02/22/2012
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 05/08/2012
Next Scheduled EDR Contact: 07/23/2012
Data Release Frequency: Semi-Annually

NAPA COUNTY:

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: 06/04/2012
Next Scheduled EDR Contact: 09/17/2012
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: 12/05/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/17/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 25

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 4

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/17/2012
Date Made Active in Reports: 05/24/2012
Number of Days to Update: 7

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
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: 03/19/2012
Date Data Arrived at EDR: 03/19/2012
Date Made Active in Reports: 04/04/2012
Number of Days to Update: 16

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
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: 04/23/2012
Date Data Arrived at EDR: 04/24/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/09/2012
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/23/2012
Date Data Arrived at EDR: 04/24/2012
Date Made Active in Reports: 05/24/2012
Number of Days to Update: 30

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/21/2011
Next Scheduled EDR Contact: 04/26/2012
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: 02/07/2012
Date Data Arrived at EDR: 04/16/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 22

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
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: 02/02/2012
Date Data Arrived at EDR: 04/17/2012
Date Made Active in Reports: 05/08/2012
Number of Days to Update: 21

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/09/2012
Next Scheduled EDR Contact: 07/23/2012
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: 03/01/2012
Date Data Arrived at EDR: 03/01/2012
Date Made Active in Reports: 03/27/2012
Number of Days to Update: 26

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
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: 09/09/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/15/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 12/13/2011
Number of Days to Update: 39

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
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: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
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: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
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: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
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: 03/29/2012	Source: Environmental Health Department
Date Data Arrived at EDR: 03/30/2012	Telephone: N/A
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/09/2012	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 04/09/2012	Telephone: 650-363-1921
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/17/2012
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/26/2012	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/26/2012	Telephone: 650-363-1921
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/18/2012
Number of Days to Update: 43	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

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	Source: Santa Clara Valley Water District
Date Data Arrived at EDR: 03/30/2005	Telephone: 408-265-2600
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 03/23/2009
Number of Days to Update: 22	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: 03/05/2012	Source: Department of Environmental Health
Date Data Arrived at EDR: 03/07/2012	Telephone: 408-918-3417
Date Made Active in Reports: 03/27/2012	Last EDR Contact: 06/04/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 09/17/2012
	Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/15/2012	Source: City of San Jose Fire Department
Date Data Arrived at EDR: 05/15/2012	Telephone: 408-535-7694
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 05/15/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/27/2012
	Data Release Frequency: Annually

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: 03/19/2012	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 03/21/2012	Telephone: 707-784-6770
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/15/2012
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/19/2012	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 03/22/2012	Telephone: 707-784-6770
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/15/2012
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/05/2011	Source: Department of Health Services
Date Data Arrived at EDR: 04/06/2011	Telephone: 707-565-6565
Date Made Active in Reports: 05/12/2011	Last EDR Contact: 04/02/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/12/2012	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 03/13/2012	Telephone: 530-822-7500
Date Made Active in Reports: 04/03/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/24/2012
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

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: 02/03/2012	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 02/22/2012	Telephone: 805-654-2813
Date Made Active in Reports: 03/29/2012	Last EDR Contact: 05/21/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 09/03/2012
	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: 04/09/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/21/2012
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/03/2012
	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: 03/30/2012	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 05/04/2012	Telephone: 805-654-2813
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/13/2012
	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: 02/27/2012	Source: Environmental Health Division
Date Data Arrived at EDR: 03/21/2012	Telephone: 805-654-2813
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 06/14/2012
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2012	Source: Yolo County Department of Health
Date Data Arrived at EDR: 03/30/2012	Telephone: 530-666-8646
Date Made Active in Reports: 05/08/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 07/09/2012
	Data Release Frequency: Annually

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: 05/21/2012	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/22/2012	Telephone: 860-424-3375
Date Made Active in Reports: 05/31/2012	Last EDR Contact: 05/22/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/03/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
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: 05/01/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/09/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 04/27/2012
Date Made Active in Reports: 06/05/2012
Number of Days to Update: 39

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2012
Next Scheduled EDR Contact: 08/06/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/18/2012
Next Scheduled EDR Contact: 10/01/2012
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and 2005 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.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MANGULAR BLENDING FACILITY
MANGULAR AVENUE/ONTARIO
CORONA, CA 92882

TARGET PROPERTY COORDINATES

Latitude (North): 33.859 - 33° 51' 32.40"
Longitude (West): 117.5982 - 117° 35' 53.52"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 444664.8
UTM Y (Meters): 3746489.2
Elevation: 900 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 33117-G5 CORONA SOUTH, CA
Most Recent Revision: 1988

North Map: 33117-H5 CORONA NORTH, CA
Most Recent Revision: 1981

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).

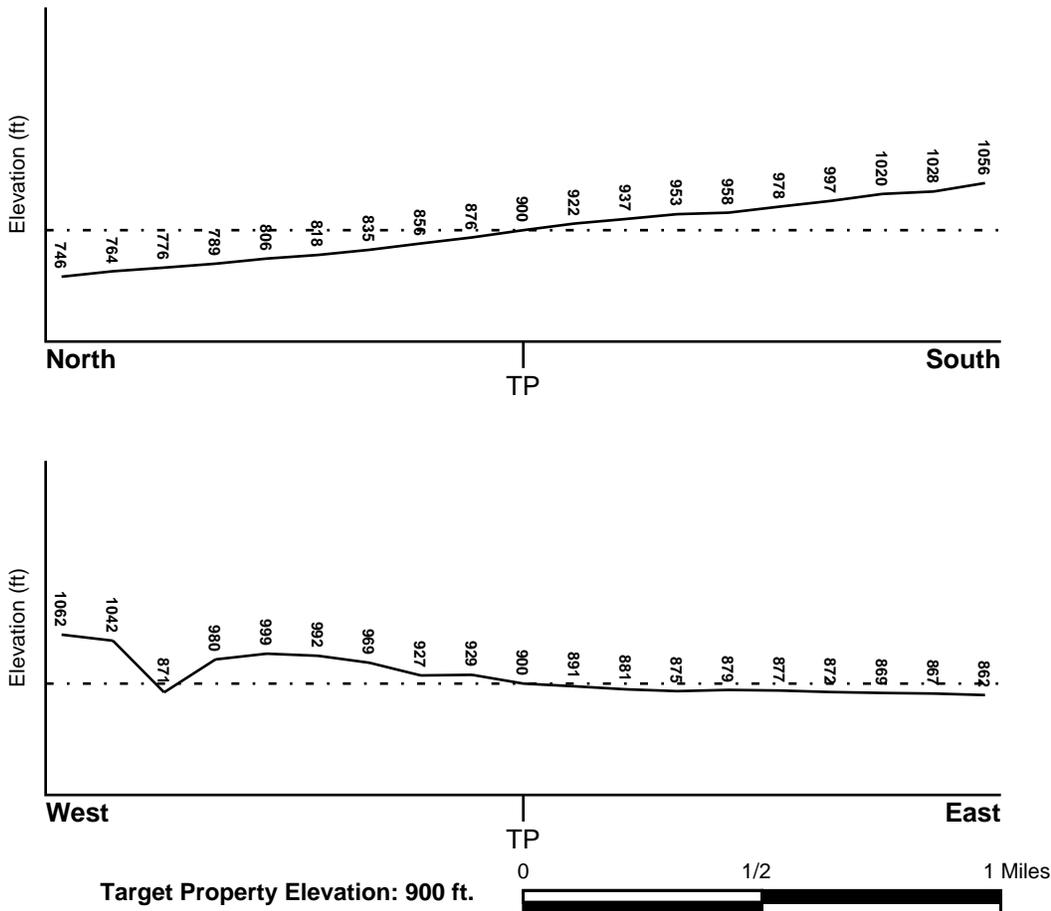
TOPOGRAPHIC INFORMATION

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 NNE

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

<u>Target Property County</u> RIVERSIDE, CA	<u>FEMA Flood Electronic Data</u> 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

<u>NWI Quad at Target Property</u> NOT AVAILABLE	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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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 FROM TP</u>	<u>GENERAL DIRECTION 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

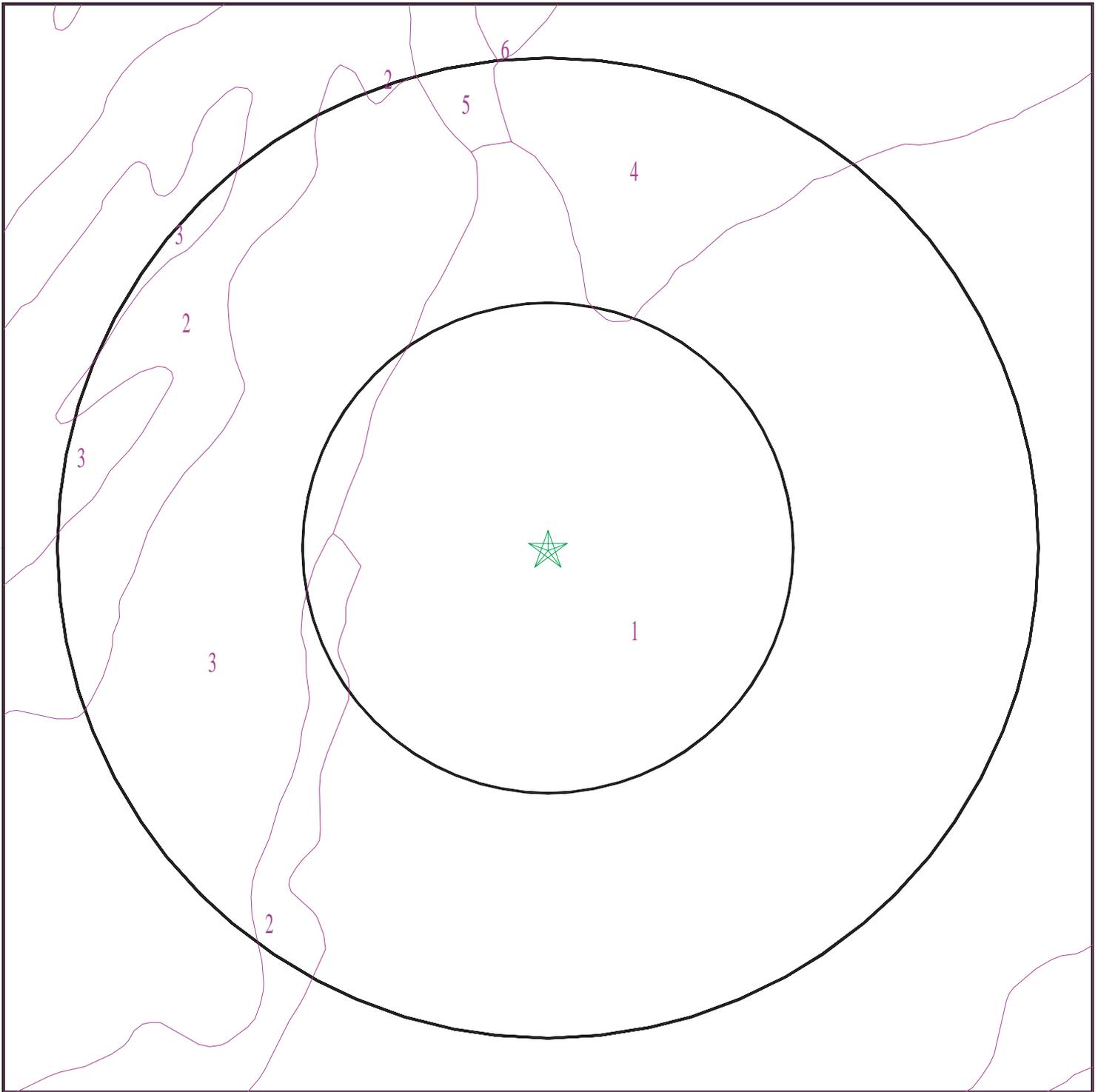
Era: Mesozoic
System: Cretaceous
Series: Cretaceous granitic rocks
Code: Kg *(decoded above as Era, System & Series)*

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 - 3349212.1s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Mangular Blending Facility
ADDRESS: Mangular Avenue/Ontario
Corona CA 92882
LAT/LONG: 33.859 / 117.5982

CLIENT: Michael Brandman Associates
CONTACT: Arabesque Said
INQUIRY #: 3349212.1s
DATE: June 20, 2012 7:59 pm

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: CORTINA

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: 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	22 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 8.4 Min: 5.6
2	22 inches	38 inches	stratified very gravelly loamy sand to very gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 8.4 Min: 5.6
3	38 inches	59 inches	stratified very gravelly sand to very gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141 Min: 42	Max: 8.4 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Terrace escarpments

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: ARBUCKLE

Soil Surface Texture: gravelly 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	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	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		
2	25 inches	44 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6
3	44 inches	68 inches	stratified very gravelly sandy loam to very gravelly sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 7.8 Min: 5.6

Soil Map ID: 4

Soil Component Name: GARRETSON

Soil Surface Texture: gravelly very 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	9 inches	gravelly very fine 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	Max: 14 Min: 4	Max: 7.8 Min: 6.1

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		
2	9 inches	53 inches	gravelly 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 Soils.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
3	53 inches	72 inches	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 Soils.	Max: 14 Min: 4	Max: 7.8 Min: 6.1

Soil Map ID: 5

Soil Component Name: GARRETSON

Soil Surface Texture: very 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	9 inches	very fine 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 Soils.	Max: 14 Min: 4	Max: 7.8 Min: 6.1

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		
2	9 inches	59 inches	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	Max: 14 Min: 4	Max: 7.8 Min: 6.1

Soil Map ID: 6

Soil Component Name: PERKINS

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	11 inches	44 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.3 Min: 6.1

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	44 inches	59 inches	stratified very gravelly sandy loam to very gravelly clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14 Min: 4	Max: 7.3 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<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>
3	USGS3124597	1/2 - 1 Mile ENE

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

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	3625	1/2 - 1 Mile NNW
A2	3624	1/2 - 1 Mile NNW
4	3629	1/2 - 1 Mile ENE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG80000021388	1/2 - 1 Mile WNW
2	CAOG80000021425	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 3349212.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Mangular Blending Facility
 ADDRESS: Mangular Avenue/Ontario
 Corona CA 92882
 LAT/LONG: 33.859 / 117.5982

CLIENT: Michael Brandman Associates
 CONTACT: Arabesque Said
 INQUIRY #: 3349212.1s
 DATE: June 20, 2012 7:59 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
NNW
1/2 - 1 Mile
Lower

CA WELLS 3625

Water System Information:

Prime Station Code: 03S/07W-27G01 S	User ID: WAT	County: Riverside
FRDS Number: 3310037011	Station Type: WELL/AMBNT/MUN/INTAKE	Well Status: Active Raw
District Number: 14	Precision: 0.5 Mile (30 Seconds)	
Water Type: Well/Groundwater		
Source Lat/Long: 335200.0 1173600.0		
Source Name: WELL 11		
System Number: 3310037		
System Name: Corona, City of		
Organization That Operates System: P.O. Box 940 Corona, CA 91718		
Pop Served: 104000	Connections: 25321	
Area Served: CORONA AND VICINITY	Findings: 780. MG/L	
Sample Collected: 02/24/2010		
Chemical: TOTAL DISSOLVED SOLIDS		

A2
NNW
1/2 - 1 Mile
Lower

CA WELLS 3624

Water System Information:

Prime Station Code: 03S/07W-27F01 S	User ID: WAT	County: Riverside
FRDS Number: 3310037012	Station Type: WELL/AMBNT/MUN/INTAKE	Well Status: Active Raw
District Number: 14	Precision: 0.5 Mile (30 Seconds)	
Water Type: Well/Groundwater		
Source Lat/Long: 335200.0 1173600.0		
Source Name: WELL 12		
System Number: 3310037		
System Name: Corona, City of		
Organization That Operates System: P.O. Box 940 Corona, CA 91718		
Pop Served: 104000	Connections: 25321	
Area Served: CORONA AND VICINITY		

3
ENE
1/2 - 1 Mile
Lower

FED USGS USGS3124597

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	335156117350501
Site name:	003S007W35L001S	EDR Site id:	USGS3124597
Latitude:	335156	Dec lat:	33.86557145
Longitude:	1173505	Coor meth:	M
Dec lon:	-117.58560544	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	065
State:	06	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	CORONA SOUTH		
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	376	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
ENE
1/2 - 1 Mile
Lower

CA WELLS 3629

Water System Information:

Prime Station Code:	03S/07W-35C01 S	User ID:	WAT
FRDS Number:	3310037014	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	335200.0 1173500.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 14		
System Number:	3310037		
System Name:	Corona, City of		
Organization That Operates System:	P.O. Box 940		
	Corona, CA 91718		
Pop Served:	104000	Connections:	25321
Area Served:	CORONA AND VICINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/05/2011	Findings:	71. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/19/2011	Findings:	71. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/02/2011	Findings:	73. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/16/2011	Findings:	74. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/02/2011	Findings:	720. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/02/2011	Findings:	7.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/09/2011	Findings:	70. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/23/2011	Findings:	70. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/06/2011	Findings:	45. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/20/2011	Findings:	57. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/04/2011	Findings:	72. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/18/2011	Findings:	61. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/01/2011	Findings:	1100. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/01/2011	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	06/01/2011	Findings:	230. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	06/01/2011	Findings:	280. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/01/2011	Findings:	470. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	06/01/2011	Findings:	130. MG/L
Chemical:	CALCIUM		
Sample Collected:	06/01/2011	Findings:	36. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/01/2011	Findings:	50. MG/L
Chemical:	SODIUM		
Sample Collected:	06/01/2011	Findings:	2.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/01/2011	Findings:	94. MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/01/2011	Findings:	0.2 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/01/2011	Findings:	5.9 UG/L
Chemical:	SELENIUM		
Sample Collected:	06/01/2011	Findings:	720. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/01/2011	Findings:	74. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/01/2011	Findings:	7.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/01/2011	Findings:	0.84 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/22/2011	Findings:	76. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/06/2011	Findings:	75. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/03/2011	Findings:	72. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/17/2011	Findings:	73. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/14/2011	Findings:	910. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/14/2011	Findings:	74. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/14/2011	Findings:	8.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/28/2011	Findings:	72. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/05/2011	Findings:	77. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/19/2011	Findings:	75. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/02/2011	Findings:	72. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/16/2011	Findings:	77. MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

WNW
1/2 - 1 Mile

OIL_GAS CAOG80000021388

Districtnu:	1	Apinumber:	06500083
Activewell:	N	Well type:	OG
Wellsymbol:	DH	Confidenti:	Not Reported
Operatorna:	Edgington Oil Refineries, Inc.		
Wellnumber:	1	Leasename:	Pipkin
Blmwell:	N	Countyname:	Riverside
Fieldname:	Any Field		
Areaname:	Any Area		
Section :	34	Township:	03S
Range:	07W	Basemeri:	SB
Elevation:	Not Reported		
Locationde:	Not Reported		
Latitude83:	33.863318		
Longitude8:	-117.609067		
Gissourcec:	hud		
Comments:	Not Reported		
Operatorco:	02538	Cacountyco:	065
Fieldcode:	000	Areacode:	00
Td:	0		
Site id:	CAOG80000021388		

2

WNW
1/2 - 1 Mile

OIL_GAS CAOG80000021425

Districtnu:	1	Apinumber:	06500099
Activewell:	N	Well type:	OG
Wellsymbol:	DH	Confidenti:	Not Reported
Operatorna:	A. L. Hunter, Oper.		
Wellnumber:	1	Leasename:	V.O.W.M.
Blmwell:	N	Countyname:	Riverside
Fieldname:	Any Field		
Areaname:	Any Area		
Section :	33	Township:	03S
Range:	07W	Basemeri:	SB
Elevation:	Not Reported		
Locationde:	Not Reported		
Latitude83:	33.864164		
Longitude8:	-117.61334		
Gissourcec:	hud		
Comments:	Not Reported		
Operatorco:	00084	Cacountyco:	065
Fieldcode:	000	Areacode:	00
Td:	0		
Site id:	CAOG80000021425		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92882	30	0

Federal EPA Radon Zone for RIVERSIDE County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

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 and 2005 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 Health Services

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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