WEST VALLEY WATER DISTRICT

NOTICE OF DETERMINATION

Reciept # 387103

TO: Clerk of the Board
County of San Bernardino
385 N. Arrowhead, 2nd Floor
San Bernardino, CA 92415

Office of Planning & Research
1400 Tenth Street
Sacramento, CA 95814

FROM: West Valley Water District
P.O. Box 920
Rialto, CA 92377

CLERK OF THE BOARD
SEP 03 2009
COUNTY OF
SAN BERNARDINO

DATE FILED & POSTED

Project Title: Wellhead Treatment System Project
SCH No. 2009071011

Contact Person: Tom Crowley, Assistant General Manager

Telephone Number: (909) 875-1804

Project Location: 855 W. Baseline Road in the City of Rialto, County of San Bernardino

Project Description: The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichloroethylene (TCE) from groundwater coming from two drinking water production wells located in the Rialto-Colton Groundwater Basin (Basin). As part of the proposed project, groundwater from Rialto Well No. 6 (located off Etiwanda Avenue in Rialto) and West Valley Water District (District) Well No. 11 (located off Willow Avenue in Rialto) will be conveyed approximately 6,300 linear feet via existing and new pipelines to a proposed wellhead treatment plant to be built at the District's headquarters located at 855 West Baseline in the City of Rialto (City). Upon successful completion of a required initial startup demonstration period (of up to one year) overseen by the California Department of Public Health (CDPH), approximately 2,000 gallons per minute (gpm) of treated groundwater from the proposed project will be used by District and the City for drinking water supply.

This is to advise that on September 3, 2009, the West Valley Water District adopted a Mitigated Negative Declaration pursuant to the provisions of CEQA, adopted a Mitigation Monitoring Program, and approved the above described project. The Mitigated Negative Declaration may be examined at the District's address cited above. The District has made the following determinations regarding the above described project:

1. The project ☐ will ☒ will not have a significant effect on the environment.

Date: September 4, 2009

Thomas J. Crowley
Signature

Assistant General Manager
Title

Wellhead Treatment System

SCH Number: 2009071011

Document Type: NOD - Notice of Determination

Project Lead Agency: West Valley Water District

Project Description

The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichlorethlyene (TCE) from groundwater coming from 2 drinking water production wells located in the Rialto-Colton Groundwater Basin. Groundwater from Rialto Well No. 6 and West Valley Water District Well No. 11 will be conveyed ~6,300 linear ft via existing and new pipelines to a proposed wellhead treatment plant. Upon successful completion of a required intial startup demonstration period (of up to one year) overseen by the CA Dept of Public Health ~2,000 gpm of treated groundwater from the proposed project will be used by District and the City for drinking water supply.

Contact Information

Primary Contact:
Tom Crowley
West Valley Water District
909-875-1804
855 West Baseline Rd.
Rialto, CA 92376

Project Location

County: San Bernardino
City: Rialto
Region:
Cross Streets: Baseline Rd and Cactus Ave
Latitude/Longitude: 34° 7' 14.8" / 117° 23' 11.8" Map
Parcel No: 012802114
Township: 1S
Range: 5W
Section: 3
Base: SBB&M
Other Location Info:

Determinations

This is to advise that the ☒ Lead Agency ☐ Responsible Agency West Valley Water District has approved the project described above on 9/3/2009 and has made the following determinations regarding the project described above.

1. The project ☐ will ☒ will not have a significant effect on the environment.

2. ☐ An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.

   ☒ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.

3. Mitigation measures ☐ were ☐ were not made a condition of the approval of the project.

4. A Statement of Overriding Considerations ☐ was ☐ was not adopted for this project.

5. Findings ☐ were ☐ were not made pursuant to the provisions of CEQA.

Final EIR Available at: West Valley Water District P.O. Box 920 Rialto, CA 92377

Date Received: 9/21/2009

RESOLUTION NO. 2009-7

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE WEST VALLEY WATER DISTRICT ADOPTING A MITIGATED NEGATIVE DECLARATION ON DISTRICT PROJECT KNOWN AS THE WELLHEAD TREATMENT SYSTEM PROJECT

WHEREAS, District Staff has prepared and circulated, for public review and comment, an Initial Study and a Proposed Mitigated Negative Declaration concerning the Wellhead Treatment System Project; and,

WHEREAS, District Staff has received and filed any and all public comments and will present them to the Board of Directors.

NOW, THEREFORE, IT IS HEREBY RESOLVED, DETERMINED AND ORDERED by the Board of Directors of the West Valley Water District, on September 3, 2009 that it has reviewed and considered the Initial Study and Proposed Mitigated Negative Declaration dated July 1, 2009 with revisions dated August 28, 2009, in deciding whether to approve the proposed project.

BE IT FURTHER RESOLVED that this Board of Directors has:

1. Independently reviewed and analyzed the Initial Study and Mitigated Negative Declaration in accordance with CEQA and the State CEQA Guidelines and all other applicable rules and regulations.

2. That the Board circulated the draft document that reflects its independent judgment in regard to the adoption of a Mitigated Negative Declaration.

3. As part of the adoption, the Mitigated Negative Declaration reflects the independent judgment of the Board in regard to its approval of the project.

4. Adopted a Mitigation Reporting Program dated August 28, 2009, that will track the implementation of the mitigation measures contained in the Initial Study.

BE IT FURTHER RESOLVED that this Board of Directors approves said project subject to District proceedings and adopts the proposed Mitigated Negative Declaration dated August 28, 2009.

BE IT FURTHER RESOLVED that the Secretary of the District is authorized and instructed to make all required and proper filings of this Resolution.

ADOPTED, SIGNED, AND APPROVED THIS 3rd DAY OF SEPTEMBER 2009.

Earl Tillman Jr., President

ATTEST:

Anthony W. Araiza, Secretary

MITIGATION REPORTING PROGRAM
WELLHEAD TREATMENT PROJECT
WEST VALLEY WATER DISTRICT

No.	Mitigation Measures	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
HAZ-01	***Prior to the issuance of certificate of occupancy for the FBR treatment site, the District shall submit to the San Bernardino County Fire Department an update to its Business Plan. The updated plan shall identify the administrative requirements, permits, inspections, and enforcement activities associated with the District's use of each potentially hazardous chemical within the FBR treatment site. The updated Business Plan shall be approved by the San Bernardino County Fire Department prior to issuance of the certificate of occupancy.***	Approval of updated Business Plan	Approval by the San Bernardino County Fire Department	Prior to issuance of certificate of occupancy	West Valley Water District General Manager or designee	
HAZ-02	***Prior to the issuance of grading permits, the project proponent District shall submit to the City for review and to the RWQCB for approval a Phase II Environmental Site Assessment for the project site where the wellhead treatment system would be built. Specifically, the Phase II Environmental Site Assessment shall perform limited soil sampling assessment of the burn residue/fill materials located within the area of the FBR site building pad, the on-site fuel ASTs, the location of the removed UST, and the on-site oil storage area and make recommendations for remediation of impacted soil to be disturbed as part of the project. The***	Submittal of Phase II ESA and implementation of applicable measures	Approval by the RWQCB	Prior to grading	West Valley Water District General Manager or designee	

No.	Mitigation Measures	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	project shall adhere to recommendations made in the Phase II Environmental Site Assessment through the submittal of evidence to the City RWQCB that such recommendations have been implemented.					
HAZ-03	***If determined necessary based on the results of the Phase II Environmental Site Assessment discussed in HAZ-02, a Contaminated Materials Management Plan (CMMP) shall be prepared by the District and implemented by the selected contractor to address project construction activities in and around any contaminated soils needing special handling or segregation. The CMMP shall be submitted to the City for review and to the RWQCB for approval. The CMMP shall include procedures and protocols for the proper management and disposal of contaminated materials encountered.***	Implementation of applicable measures in the Phase II ESA	Approval by the RWQCB	Prior to grading	West Valley Water District General Manager or designee	
HAZ-04	***A site-specific Health and Safety Plan (HASP) shall be prepared by the selected contractor for the project that will present the methods to be used to protect workers and the public during the course of the project, including work performed in areas of contaminated soils located within 500 feet of the project excavation area. The HASP shall be submitted to the City for review and to the RWQCB for approval. This plan shall include identification of closed and active UST and AST sites that are identified as having residual petroleum***	Implementation of applicable measures in the Phase II ESA	Approval by the RWQCB	Prior to grading	West Valley Water District General Manager or designee	

No.	Mitigation Measures	Implementation Action	Method of Verification	Timing of Verification	Responsible Person	Verification Date
	hydrocarbon-containing soil within 500 feet of project excavation activities and procedures for monitoring levels of contaminants during excavation activities.					
TRAF-01	***A detailed Traffic Management Plan (TMP) shall be prepared by a registered Civil Engineer and approved by the Public Works Department prior to construction of the proposed waterline. The TMP will delineate all lane closures, provisions to maintain access to adjacent residential properties at all times, prior notices, adequate sign-postings, detours, provisions for pedestrians along the trails and bicycle transportation, and permitted hours of construction activity. Proper detours and warning signs shall be established along all adjacent roadways and the existing sidewalks or trails to ensure public safety. The TMP shall be reviewed and approved by City Police and Fire Departments so that construction shall not interfere with any emergency response or evacuation plans. Construction activities shall proceed in a timely manner in an effort to reduce the duration and level of impacts.***	Condition of Approval	Review and approval by City Public Works Department	Prior to grading	West Valley Water District General Manager or designee	

State of California—The Resources Agency
DEPARTMENT OF FISH AND GAME

2009 ENVIRONMENTAL FILING FEE CASH RECEIPT

RECEIPT# 387103

STATE CLEARING HOUSE # *(If applicable)* 2009071011

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY

LEAD AGENCY: West valley water district

DATE: 9/8/09

COUNTY/STATE AGENCY OF FILING: County of San Bernardino

DOCUMENT NUMBER:

PROJECT TITLE: well head treatment system project

PROJECT APPLICANT NAME: West valley water District (Tom Crowley)

PHONE NUMBER: (909) 875180

PROJECT APPLICANT ADDRESS: P.O. Box 920

CITY: Rialto

STATE: CA

ZIP CODE: 92377

PROJECT APPLICANT *(Check appropriate box)*:

- [x] Local Public Agency
- [ ] School District
- [ ] Other Special District
- [ ] State Agency
- [ ] Private Entity

CHECK APPLICABLE FEES:

[ ] Environmental Impact Report	$2,768.25	$
[x] Negative Declaration	$1,993.00	$ 1,993.00
[ ] Application Fee Water Diversion *(State Water Resources Control Board Only)*	$850.00	$
[ ] Projects Subject to Certified Regulatory Programs	$941.25	$
[x] County Administrative Fee	$50.00	$ 50.00
[ ] Project that is exempt from fees		
[ ] Notice of Exemption		
[ ] DFG No. Effect Determination (Form Attached)		
[ ] Other		$ 2,043

PAYMENT METHOD:

[ ] Cash [ ] Credit [x] Check 21346, 21347 [ ] Other

TOTAL RECEIVED $

SIGNATURE: X Rebekah R. G

TITLE: Deputy Clerk

WHITE - PROJECT APPLICANT YELLOW - DFG/ASB PINK - LEAD AGENCY GOLDEN ROD - COUNTY CLERK FG 753.5a (Rev. 7/08)

STATE OF CALIFORNIA

GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH

STATE CLEARINGHOUSE AND PLANNING UNIT

ARNOLD SCHWARZENEGGER
GOVERNOR

CYNTHIA BRYANT
DIRECTOR

RECEIVED
OCT 02 2009
W.V.W.D.

August 18, 2009

Tom Crowley
West Valley Water District
855 West Baseline Rd.
Rialto, CA 92376

Subject: Wellhead Treatment System
SCH#: 2009071011

Dear Tom Crowley:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on August 17, 2009, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

> "A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

for: Scott Morgan
Acting Director, State Clearinghouse

Enclosures
cc: Resources Agency

1400 10th Street P.O. Box 3044 Sacramento, California 95812-3044
(916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Document Details Report
State Clearinghouse Data Base

SCH# 2009071011
Project Title Wellhead Treatment System
Lead Agency West Valley Water District

Type MND Mitigated Negative Declaration

Description NOTE: Extended to 8-17-09

The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichlorethlyene (TCE) from groundwater coming from 2 drinking water production wells located in the Rialto-Colton Groundwater Basin. Groundwater from Rialto Well No. 6 and West Valley Water District Well No. 11 will be conveyed ~6,300 linear ft via existing and new pipelines to a proposed wellhead treatment plant. Upon successful completion of a required intial startup demonstration period (of up to one year) overseen by the CA Dept of Public Health ~2,000 gpm of treated groundwater from the proposed project will be used by District and the City for drinking water supply.

Lead Agency Contact

Name Tom Crowley
Agency West Valley Water District
Phone 909-875-1804 **Fax**
email
Address 855 West Baseline Rd.
City Rialto **State** CA **Zip** 92376

Project Location

County San Bernardino
City Rialto
Region
Lat / Long 34° 7' 14.8" N / 117° 23' 11.8" W
Cross Streets Baseline Rd and Cactus Ave
Parcel No. 012802114
Township 1S **Range** 5W **Section** 3 **Base** SBB&M

Proximity to:

Highways I-210
Airports Rialto
Railways BNSF
Waterways
Schools Eisenhower HS
Land Use PLU: Open Space-Flood Control and Public Use-Reservoirs/Wells Energy
Z: General Manufacturing

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Cumulative Effects; Drainage/Absorption; Economics/Jobs; Fiscal Impacts; Flood Plain/Flooding; Geologic/Seismic; Growth Inducing; Minerals; Noise; Population/Housing Balance; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Landuse

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Reviewing Agencies Resources Agency; Department of Fish and Game, Region 6; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Caltrans, District 8; Integrated Waste Management Board; State Water Resources Control Board, Division of Water Quality; State Water Resources Control Board, Division of Water Rights; Regional Water Quality Control Board, Region 8; Department of Toxic Substances Control; Native American Heritage Commission; Public Utilities Commission; California Department of Health and Human Services

Note: Blanks in data fields result from insufficient information provided by lead agency.

Document Details Report
State Clearinghouse Data Base

Date Received 07/02/2009 ***Start of Review*** 07/02/2009 ***End of Review*** 08/17/2009

Note: Blanks in data fields result from insufficient information provided by lead agency.

State of California—Health and Human Services Agency

Department of Public Health

CDPH

Mark B Horton, MD, MSPH
Director

ARNOLD SCHWARZENEGGER
Governor

Clear
7-31-09
8-17-09
e

RECEIVED
JUL 28 2009
STATE CLEARING HOUSE

July 28, 2009

West Valley Water District
Attn: Tom Crowley
855 W. Base Line Road
Rialto, CA 92376

Dear Mr. Crowley:

RE: West Valley Water District, Wellhead Treatment System, Mitigated Negative Declaration; SCH # 2009071011

Thank you for the opportunity to review the above document. The California Department of Public Health (CDPH), Division of Drinking Water and Environmental Management is responsible for issuing water supply permits administered under the Safe Drinking Water Act and will need to issue a new or amended Water Supply Permit for the above referenced project. A project triggers a permit if it includes increases or changes in water supply, storage, or treatment of drinking water. CDPH will be a "responsible agency" pursuant to the California Environmental Quality Act (CEQA) and considers the above referenced document as adequate to meet the CDPH CEQA permit requirements.

West Valley Water District (WVWD) proposes to construct and operate a new groundwater treatment system to remove nitrate, perchlorate, and trichloroethylene (TCE) from water supply wells Rialto Well No. 6 and WVWD Well No. 11. The treatment system is proposed to produce approximately 2,000 gallons per minute of treated groundwater to be used by WVWD and the City of Rialto. Rialto Well No. 6 is located off Etiwanda Avenue in the City of Rialto and WVWD Well No. 11 is located off Willow Avenue in the City of Rialto. The treatment system will be built at WVWD's headquarters located at 855 West Baseline in the City of Rialto. Both wells will be required to submit a 97-005 permit to CDPH in addition to WVWD and the City of Rialto's filing of CEQA documents.

When the review process has ended, please forward the following items with your permit application:

- Copy of the Board Resolution or Board Minutes adopting the Mitigated Negative Declaration and approving the project;
- Copy of the stamped Notice of Determination (NOD) filed at the San Bernardino County Clerk's Office (Note: The NOD must also be submitted to the State

Division of Drinking Water and Environmental Management
P.O. Box 997377, MS 7400, 1616 Capitol Avenue, 2nd Floor, Sacramento, CA 95899-7377
(916) 449-5577, FAX (916) 449-5575

Clearinghouse);

- Copy of the California Department of Fish and Game receipt issued by the San Bernardino County Clerk's Office;
- Copies of any comment letters received locally or through the State Clearinghouse.

Please contact Sean McCarthy, District Engineer, San Bernardino District Office, at (909) 383-4328 if you have any questions regarding permit applications, permits, or permit amendments. If you have any questions about this letter or CDPH's environmental review requirements, please call me at (916) 324-6894 or email to lance.salisbury@cdph.ca.gov.

Sincerely,

Lance Salisbury
CDPH Environmental Review Unit

Cc: CDPH San Bernardino District Office
Governor's Office of Planning and Research, State Clearinghouse

Linda S Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi
Acting Director
5796 Corporate Avenue
Cypress, California 90630

Arnold Schwarzenegger
Governor

July 29, 2009

RECEIVED
JUL 29 2009
STATE CLEARING HOUSE

c. Clear
~~7-31-09~~
8-17-09
e

Mr. Tom Crowley
Assistant General Manager
West Valley Water District
855 West Baseline Road
Rialto, California 92376

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR WELLHEAD TREATMENT SYSTEM PROJECT (SCH # 2009071011), SANBERNARDINO COUNTY

Dear Mr. Crowley:

The Department of Toxic Substances Control (DTSC) has received your submitted draft Initial Study (IS) and Mitigation Negative Declaration (MND) for the above-mentioned project. The following project description is stated in your document: "The proposed project is the construction and operation of a groundwater wellhead treatment system to remove perchlorate, nitrate, and volatile organic compounds (VOC) from two drinking water wells located in the City of Rialto, California. The proposed project will replace existing pumps in Well No. 6 and Well No. 11 with variable-speed drives to all for optimal flow control and blending. The well modifications may also include mechanical and electrical adjustments to accommodate different hydraulic conditions and control system modification to accommodate the requirements of the new wellhead treatment system. The proposed project will utilize existing and new pipelines located along Etiwanda, Cactus, and Willow Avenue. Adjacent land uses surrounding the proposed wellhead treatment facility site (the District's existing maintenance yard) include flood control basins to the south, water tanks/reservoirs to the east, and District facilities to the north and west." DTSC has the following comments:

1) The ND should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government agency to provide appropriate regulatory oversight. If necessary, DTSC would require an oversight agreement in order to review such documents. Please see comment No. 9 below for more information.

For all identified sites, the EIR should evaluate whether conditions at the site may pose a threat to human health or the environment. Following are the databases of some of the pertinent regulatory agencies:

- National Priorities List (NPL): A list maintained by the United States Environmental Protection Agency (U.S.EPA).
- Envirostor: A Database primarily used by the California Department of Toxic Substances Control, accessible through DTSC's website (see below).
- Resource Conservation and Recovery Information System (RCRIS): A database of RCRA facilities that is maintained by U.S. EPA.
- Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): A database of CERCLA sites that is maintained by U.S.EPA.
- Solid Waste Information System (SWIS): A database provided by the California Integrated Waste Management Board which consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations.
- Leaking Underground Storage Tanks (LUST) / Spills, Leaks, Investigations and Cleanups (SLIC): A list that is maintained by Regional Water Quality Control Boards.
- Local Counties and Cities maintain lists for hazardous substances cleanup sites and leaking underground storage tanks.
- The United States Army Corps of Engineers, 911 Wilshire Boulevard, Los Angeles, California, 90017, (213) 452-3908, maintains a list of Formerly Used Defense Sites (FUDS).

2) All environmental investigations, sampling and/or remediation for the site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including any Phase I or II Environmental Site Assessment Investigations should be summarized in the document. All sampling results in which hazardous substances were found should be clearly summarized in a table.

3) If buildings or other structures, asphalt or concrete-paved surface areas are being planned to be demolished, an investigation should be conducted for the presence of other related hazardous chemicals, lead-based paints or products, mercury, and asbestos containing materials (ACMs). If other hazardous chemicals, lead-based paints or products, mercury or ACMs are identified, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations and policies.

4) Project construction may require soil excavation or filling in certain areas. Sampling may be required. If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils. Also, if the project proposes to import soil to backfill the areas excavated, sampling should be conducted to ensure that the imported soil is free of contamination.

5) Human health and the environment of sensitive receptors should be protected during the construction or demolition activities. If it is found necessary, a study of the site and a health risk assessment overseen and approved by the appropriate government agency and a qualified health risk assessor should be conducted to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment.

6) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, Chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). If it is determined that hazardous wastes will be generated, the facility should also obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942. Certain hazardous waste treatment processes or hazardous materials, handling, storage or uses may require authorization from the local Certified Unified Program Agency (CUPA). Information about the requirement for authorization can be obtained by contacting your local CUPA.

7) If during construction/demolition of the project, the soil and/or groundwater contamination is suspected, construction/demolition in the area should cease and appropriate health and safety procedures should be implemented.

8) If the site was used for agricultural, livestock or related activities, onsite soils and groundwater might contain pesticides, agricultural chemical, organic waste or

other related residue. Proper investigation, and remedial actions, if necessary, should be conducted under the oversight of and approved by a government agency at the site prior to construction of the project.

9) DTSC can provide guidance for cleanup oversight through an Environmental Oversight Agreement (EOA) for government agencies which would not be considered responsible parties under CERCLA, or a Voluntary Cleanup Agreement (VCA) for private parties. For additional information on the EOA or VCA, please see www.dtsc.ca.gov/SiteCleanup/Brownfields, or contact Maryam Tasnif-Abbasi, DTSC's Voluntary Cleanup Coordinator, at (714) 484-5489.

10) Also, in future CEQA documents, please provide your e-mail address, so DTSC can send you comments both electronically and by mail.

If you have any questions regarding this letter, please contact Mr. Rafiq Ahmed, Project Manager, at rahmed@dtsc.ca.gov, or by phone at (714) 484-5491.

Sincerely,

for Greg Holmes
Unit Chief
Brownfields and Environmental Restoration Program

cc: Governor's Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, California 95812-3044
state.clearinghouse@opr.ca.gov

CEQA Tracking Center
Department of Toxic Substances Control
Office of Environmental Planning and Analysis
1001 I Street, 22nd Floor, M.S. 22-2
Sacramento, California 95814
nritter@dtsc.ca.gov

CEQA # 2656

Wellhead Treatment System

SCH Number: 2009071011

Document Type: MND - Mitigated Negative Declaration

Project Lead Agency: West Valley Water District

Project Description

NOTE: Extended to 8-17-09 The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichlorethlyene (TCE) from groundwater coming from 2 drinking water production wells located in the Rialto-Colton Groundwater Basin. Groundwater from Rialto Well No. 6 and West Valley Water District Well No. 11 will be conveyed ~6,300 linear ft via existing and new pipelines to a proposed wellhead treatment plant. Upon successful completion of a required intial startup demonstration period (of up to one year) overseen by the CA Dept of Public Health ~2,000 gpm of treated groundwater from the proposed project will be used by District and the City for drinking water supply.

Contact Information

Primary Contact:
Tom Crowley
West Valley Water District
909-875-1804
855 West Baseline Rd.
Rialto, CA 92376

Project Location

County: San Bernardino
City: Rialto
Region:
Cross Streets: Baseline Rd and Cactus Ave
Latitude/Longitude: 34° 7' 14.8" / 117° 23' 11.8" Map
Parcel No: 012802114
Township: 1S
Range: 5W
Section: 3
Base: SBB&M
Other Location Info:

Proximity To

Highways: I-210
Airports: Rialto
Railways: BNSF
Waterways:
Schools: Eisenhower HS
Land Use: PLU: Open Space-Flood Control and Public Use-Reservoirs/Wells Energy Z: General Manufacturing

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Development Type

Water Facilities

Local Action

Other Action

Project Issues

Vegetation, Water Quality, Water Supply, Wetland/Riparian, Landuse, Aesthetic/Visual, Agricultural Land, Air Quality, Archaeologic-Historic, Biological Resources, Cumulative Effects, Drainage/Absorption, Economics/Jobs, Fiscal Impacts, Flood Plain/Flooding, Geologic/Seismic, Growth Inducing,

Minerals, Noise, Population/Housing Balance, Recreation/Parks, Schools/Universities, Septic System, Sewer Capacity, Soil Erosion/Compaction/Grading, Solid Waste, Toxic/Hazardous, Traffic/Circulation

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Reviewing Agencies (Agencies in **Bold Type** submitted comment letters to the State Clearinghouse)

Resources Agency; Department of Fish and Game, Region 6; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Caltrans, District 8; Integrated Waste Management Board; State Water Resources Control Board, Division of Water Quality; State Water Resources Control Board, Division of Water Rights; Regional Water Quality Control Board, Region 8; **Department of Toxic Substances Control**; Native American Heritage Commission; Public Utilities Commission; **Health and Human Services Agency**

Date Received: 7/2/2009 **Start of Review:** 7/2/2009 **End of Review:** 8/17/2009

FINAL INITIAL STUDY

WELLHEAD TREATMENT SYSTEM PROJECT
WEST VALLEY WATER DISTRICT
SAN BERNARDINO COUNTY, CALIFORNIA

LSA

August 28, 2009

funding is ~~August 31,~~unknown at this time, however, per Senate Bill X2.1, DPH must have funding encumbered by June 30, 2010, leading to a grant application deadline anticipated no later than November/December of 2009.

2.4 PROPOSED PROJECT

2.4.1 Project Objectives

The primary objective of the proposed project is to stabilize District and City water supplies by recovering lost Basin capacity and to enhance the operational flexibility and independence of existing groundwater supplies. To achieve this objective, the proposed project will construct and operate a wellhead treatment system to remove nitrate, perchlorate and TCE from groundwater from two drinking water production wells located in the northern half of the Basin, relatively close to the contaminated source areas. The wellhead treatment system will use an FBR for perchlorate and nitrate. The anticipated blended influent TCE concentration from Rialto Well No. 6 and District Well No. 11 is expected to be less than the California drinking water standard; however, there is a contingency for the addition of granular-activated carbon (GAC) or other treatment if excessive TCE is encountered. The FBR is one of two perchlorate treatment technologies listed as a "Best Available Control Technology" by the CDPH.[1] Because the proposed project will be the first full-scale application of an FBR for drinking water in California, an additional objective of the proposed project is to collect cost and operational data for other utilities considering the use of this technology.

Flexibility has been incorporated into the design of the treatment system and pipelines to enable potential expansion to treat up to 4,000 gpm should the project be modified in the future to assist in remediation of the Basin in cooperation with the RWQCB, USEPA, DTSC, and other agencies. The proposed project will also remove contaminants from groundwater in the Basin, resulting in mass removal and decreasing future contamination of down-gradient water supply wells. At this time, the potential expansion of the treatment system is only speculative and any future expansion is not part of the proposed project.

2.4.2 Project Location

As shown in previously referenced Figure 1, the proposed project will utilize existing and new pipelines to convey the untreated water from the wells to the proposed treatment facility. Existing 16-inch pipelines will be used to convey untreated water south from Rialto Well No. 6 to Etiwanda Avenue, north from District Well No. 11 to Etiwanda Avenue, west on Etiwanda Avenue from the intersection of the two influent flows at Willow Avenue, and north on Cactus Avenue to the District's maintenance yard. A new 16-inch pipeline will be installed within Etiwanda Avenue between the Rialto Well No. 6 pipeline and Willow Avenue and within District property from the Cactus Avenue pipeline near Reservoir 3A-2 west through the District property to the treatment plant.

The proposed wellhead treatment plant will be sited within the District's maintenance yard located at District headquarters, 855 West Base Line Road. Figure 1 shows the locations of the proposed wellhead treatment facility site, the existing and new conveyance pipelines, and Rialto Well No. 6 and District Well No. 11.

[1] California Code of Regulations, Chapter 15, Article 12, Section 64447.2.

FINAL INITIAL STUDY

WELLHEAD TREATMENT SYSTEM PROJECT
WEST VALLEY WATER DISTRICT
SAN BERNARDINO COUNTY, CALIFORNIA

Prepared for:

Mr. Tom Crowley
West Valley Water District
855 West Baseline Road
Rialto, California 92376
(909) 875-1804

Prepared by:

LSA Associates, Inc.
1500 Iowa Avenue, Suite 200
Riverside, California 92507
(951) 781-9310

LSA Project No. WVW0901

LSA

August 28, 2009

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1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The proposed project is the construction and operation of a groundwater wellhead treatment system to remove perchlorate, nitrate, and volatile organic compounds (VOCs) from two drinking water wells located in the City of Rialto, California. Pursuant to the provisions of the California Environmental Quality Act (CEQA) and the State CEQA Guidelines, the West Valley Water District (District) is the CEQA Lead Agency and is charged with the responsibility of deciding whether or not to approve the proposed project and adopt a Mitigated Negative Declaration. The project involves a cooperative arrangement between the District and the City of Rialto (City), whose role is that of a CEQA Responsible Agency. In their role as a Responsible Agency, the City of Rialto will use this Initial Study for the purposes of adopting findings regarding the adequacy of the environmental analysis of the proposed project and approving a lease agreement enabling the District to use City Well No. 6 and associated property.

This Initial Study has evaluated the proposed project as described in detail in Section 2.0. The environmental analysis assesses each of the issues contained in the checklist provided in Section 3.0 of this document. The objective of this environmental document is to inform District decision-makers, representatives of the City and other affected/responsible agencies, and other interested parties of the potential environmental effects that may be associated with the proposed project. This Initial Study provides the preliminary environmental review of the proposed project, as required pursuant to the provisions of the CEQA, Public Resources Code 21000, *et seq.*, and the State CEQA Guidelines. The Initial Study also serves to identify whether the proposed project will produce significant environmental effects that would require preparation of an Environmental Impact Report (EIR).

If an Initial Study prepared for a proposed project determines that no significant effects on the environment will occur or significant impacts can be reduced to less than significant with implementation of mitigation, the Lead Agency can prepare a Negative Declaration or a Mitigated Negative Declaration pursuant to *CEQA Guidelines*, Sections 15070–15075, *et seq.* A (Mitigated) Negative Declaration is a statement by the Lead Agency attesting that a project will produce less than significant impacts or significant impacts can be reduced to less than significant with mitigation.

If an Initial Study prepared for a proposed project determines it may produce significant effects on the environment, an EIR shall be prepared. This further environmental review is required to address the significant environmental effects of the project and provide mitigation where feasible.

1.2 FINDINGS OF THIS INITIAL STUDY

This Initial Study is based on an Environmental Checklist Form (Checklist), as suggested in Section 15063 (d)(3) of the *State CEQA Guidelines*. The Checklist is found in Section 3.0 of this Initial Study. It contains a series of questions about the proposed project for each of the listed issue areas.

The Checklist is used to evaluate whether or not there are any significant environmental effects associated with implementation of the proposed project.

Section 3.2 provides an explanation to each answer on the Checklist. The Checklist and accompanying explanations provide the information and analysis upon which the District may make its determination as to whether or not an EIR may be required for the proposed project. The Checklist is used to review the potential environmental effects of the proposed project for each of the following issues:

- Aesthetics
- Agricultural Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation and Traffic
- Utilities and Service Systems
- Mandatory Findings of Significance

1.3 CONTACT PERSON

The Lead Agency responsible for the review of the Initial Study for the proposed project is the District. Any questions about the preparation of this Initial Study, its assumptions, or its conclusions should be forwarded to:

Mr. Tom Crowley, Assistant General Manager
West Valley Water District
855 West Baseline Road
Rialto, California 92376
(909) 875-1804

1.4 CHANGES SINCE JULY 1, 2009 IS/MND AND COMMENTS RECEIVED

The IS/MND was issued on July, 1, 2009. Since that time, minor changes to project design have been made between the 30 percent and 90 percent engineering design phases and the project has been subject to public review and comment. These minor engineering changes, comments received during the public review period, and responses to those comments (as applicable) are discussed herein. Where applicable, any changes to the IS/MND have been made in the text using double underline (added text) and strikeout (deleted text) format as shown in this Section.

1.4.1 Project Changes

There have been five changes to the project between the 30 percent design reflected in the July 1, 2009 document and the 90 percent design phase. These are:

1) Internal re-alignment of the treatment plant design, which most notably results in acoustical isolation of the project blowers.

2) Finalization of the Phase I Environmental Site Assessment Report, including discovery of a 1993 letter from the Regional Water Quality Control Board (RWQCB) related to excavated soil quality and handling at the site found in files from the County of San Bernardino. The 1993 letter was not known in the July 1, 2009, version of the Phase I Environmental Site Assessment Report. The final Phase I report is included in the Final Initial Study as Appendix B.

3) Clarification of the plan for site soil conditioning of fill for the building/plant foundation to include a combination of surficial excavation, over-excavation (where deeper tanks are to be placed), and piles to condition site soils and provide a stable building foundation.

4) Further discussion with the City regarding potential discharge of solids to their publicly owned treatment works (POTW) via an industrial sewer connection. These discussions indicate that although there will be industrial sewer permit conditions that the District will need to meet, solids from the plant may be more cost effectively discharged under City permit conditions to the sewer as opposed to off-site trucking. As a result, the project as identified in the 90 percent design plans includes a connection to the City's sewer on Cactus Avenue.

5) Discussions with the San Bernardino Flood Control District about potential temporal limitations and conditions for discharge during the demonstration period to the Cactus Basin outside of the dry season have been ongoing. Discharge to the Cactus Basin outside of the dry season may be allowed. However, such discharges would be permitted after hydraulic evaluation of wet season operations of the Basin have been performed and the evaluation confirms the temporary discharge can be accommodated without exceeding the basin's capacity.

   Subsequently, these five items have resulted in minor changes to the project description and portions of the environmental impact analysis; but, there are no changes in levels of significance or mitigation measures, except for minor revisions to mitigation measures HAZ-02 through HAZ-04. For HAZ-02 through HAZ-04, the lead regulatory authority for impacted soils will be the RWQCB. As such, the Phase II Environmental Site Assessment and any subsequent remedial recommendations/documents (HAZ-02), the Contaminated Materials Management Plan (HAZ-03), and the Health and Safety Plan (HAZ-04) will be submitted to the City for review only and to the RWQCB for approval.

1.4.2 CEQA Comment Period, Comments Received and Responses

The IS/MND was posted with the State Clearinghouse on July 2, 2009, with State Clearinghouse number 2009071011. The IS/MND public notice was posted at WVWD headquarters on July 8, 2009. The IS/MND notice was published in the Sun Telegram on July 17, 2009. The public comment period from all sources of comments closed on August 17, 2009.

Comments were received from two commentors, which are contained in Appendix D. The commentors included the California Department of Public Health (DPH) and the California Department of Toxic Substance Control (DTSC).

DPH: The comments from DPH confirm the application procedures in accordance with DPH Policy 97-005 and filing of CEQA documents associated with any water supply permit modifications. DPH requested that upon completion of the environmental review process, WVWD forward to DPH several CEQA-related documents with any DPH permit application. WVWD will comply with DPH's request.

DTSC: The comments from DTSC generally relate to investigation and/or remediation if contamination is present and directions for applying for DTSC to become the lead agency. Given the 1993 RWQCB letter regarding soils at this site, the RWQCB will be the lead agency for soil impact issues and will oversee compliance with applicable state/local environmental regulations.

2.0 PROJECT DESCRIPTION

2.1 INTRODUCTION

2.1.1 Project Summary

The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichloroethylene (TCE) from groundwater coming from two drinking water production wells located in the Rialto-Colton Groundwater Basin (Basin). As part of the proposed project, groundwater from Rialto Well No. 6 (located off Etiwanda Avenue in Rialto) and West Valley Water District (District) Well No. 11 (located off Willow Avenue in Rialto) will be conveyed approximately 6,300 linear feet via existing and new pipelines to a proposed wellhead treatment plant to be built at the District's headquarters located at 855 West Baseline Road in the City ~~of Rialto (City)~~. Upon successful completion of a required initial startup demonstration period (of up to one year) overseen by the California Department of Public Health (CDPH), approximately 2,000 gallons per minute (gpm) of treated groundwater from the proposed project will be used by District and the City for drinking water supply. Figure 1 illustrates the regional location of the proposed project.

2.2 ENVIRONMENTAL SETTING

The proposed project will utilize existing and new pipelines located along Etiwanda, Cactus, and Willow Avenues. Consequently, project activities during construction will include constructing new pipelines within existing public streets, modifying existing pipelines and pumps at the two groundwater production well sites, and constructing a wellhead treatment system at the District's existing maintenance yard.

2.2.1 Surrounding Land Uses

Adjacent land uses along the segment of Etiwanda Avenue where the new pipe installation will occur include single-family residential uses and vacant properties. Adjacent land uses along the segment of Willow Avenue consist of single-family residential properties while adjacent land uses along the segment of Cactus Avenue consist of single-family residential properties and flood control basin uses.

Adjacent land uses surrounding the proposed wellhead treatment facility site (the District's existing maintenance yard) include flood control basins to the south, water tanks/reservoirs to the east, and District facilities to the north and west. A residential neighborhood is located approximately 475 feet west of the proposed treatment facility site. The City designates the southerly portion of the proposed wellhead treatment facility site as Open Space – Flood Control. The northerly portion of the proposed site is designated as Public Use–Reservoirs/Wells Energy.[1] Implementation of the project does not require any amendments to the General Plan or City's zoning designations.

[1] The Keith Companies, 1992. City of Rialto General Plan Update Final Master Environmental Impact Report, March.

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Rialto Well #6
WVWD Well #11
Existing Pipeline
Proposed Pipeline
Proposed FBR Treatment Plant
IX Unit

N

0 350 700
Feet

SOURCE: AirPhotoUSA, 2008; Thomas Bros., 2007

I:\WVW0901\Reports\IS\fig1_reg_loc.mxd (06/30/09)

FIGURE 1

West Valley Water District and City of Rialto
Wellhead Treatment System Project
Initial Study

Regional and Project Location

2.2.2 Water Service Areas, Demand and Delivery Systems

Both the District and City are member agencies of the San Bernardino Valley Municipal Water District (SBVMWD). Collectively, the City and the District serve approximately 102,300 customers.[1,3]

West Valley Water District.[2,3] The District service area includes the southwestern portion of San Bernardino County and a small portion of northern Riverside County. The service area of the District is separated into northern and southern sections by the City's service area. Approximately half of the residents of the City are served by District. The District provides drinking water to 17,400 connections (approximately 52,300 customers).

The District utilizes three primary sources for drinking water supply: local surface water, groundwater, and imported water from the State Water Project. Groundwater is extracted from five regional groundwater basins: Lytle Creek, Rialto-Colton, Bunker Hill, North Riverside, and Chino Basins.

The District service area is divided into eight pressure zones. It currently has 23 existing reservoirs with a total storage capacity of approximately 66 million gallons. The District also operates a 9.6-million gallon per day (mgd) water filtration facility.

The District has 25 groundwater production wells with a total pumping capacity of 29,541 gpm and a total production capacity of 26.5 mgd. Total production capacity from the Basin from seven existing production wells is 5.8 mgd.

Between 2000 and 2004, the District's total water demand ranged between 19,698 and 22,734 acre-feet per year (afy). To meet demand between 2000 and 2004, groundwater production by District ranged between 11,310 and 15,782 afy with groundwater supplies meeting between 56 and 72 percent of District's total demand. Groundwater production from the Basin between 2000 and 2004 ranged between 9 and 28 percent of the total amount of groundwater extracted by District.

City of Rialto.[2,4] The City serves 11,897 connections (approximately 50,000 customers). The City's service area is divided into six pressure zones. It currently has five existing reservoirs with a total storage capacity of approximately 28 million gallons. The City also operates a 1.49 mgd water filtration facility.

The City utilizes the same groundwater sources as the District and also receives imported water from the SBVMWD. The City has 14 production wells with a total pumping capacity of 25,062 gpm and a total production capacity of 36.09 mgd. Groundwater production for the City has been reduced in the

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1 *The City's Water System*, City of Rialto website, http://www.ci.rialto.ca.us/perchlorate/water_city-water-system.php, website accessed March 27, 2009.

2 *About West Valley Water District,* West Valley Water District website, http://www.District.org/aboutus.asp, website accessed March 27, 2009.

3 Engineering Resources of Southern California, 2006. West Valley Water District, Urban Water Management Plan. January.

4 John Egan and Associates, Inc., 2006. City of Rialto Urban Water Management Plan, February.

past few years due to groundwater contamination and declining water levels. Because of this, the effective pumping capacity for the City including the production from Rialto Well No. 6 is approximately 13,103 gpm with an effective production capacity of 18.88 mgd. Total Basin production capacity from six existing production wells was 19.79 mgd with an effective production of 4.24 mgd.

Between 2000 and 2004, the City's total water demand ranged between 13,927 and 14,281 afy. In addition to this demand, the City also provided up to 1,500 gpm (approximately 2,500 afy) of water to the Marygold Mutual Water Company. To meet demand, City groundwater production between 2000 and 2004 ranged between 8,989 and 10,108 afy with groundwater production meeting between 64 and 73 percent of the City's total demand. Groundwater production from the Basin between 2000 and 2004 ranged between 30 and 57 percent of the total amount of groundwater extracted by the City.

2.2.3 Groundwater Contamination in the Basin

Large portions of groundwater in the Basin are currently contaminated with perchlorate, nitrate, and volatile organic compounds (VOCs), including TCE. The majority of the perchlorate and VOC contamination in the Basin is believed to be attributable to both historical disposal practices associated with the former Rialto Backup Ammunition Storage Point and more recent activities at and near the County of San Bernardino's Mid-Valley Sanitary Landfill; a property referred to as the 160-acre parcel; and other subsequent overlying uses in the northern portion of the Basin. The general locations of the near-source existing perchlorate contamination and the locations of Rialto Well No. 6 and District Well No. 11 are illustrated in Figure 2. The complete lateral and vertical extent of perchlorate in groundwater in the Basin is presently not known.

As identified in Figure 2, two primary geographic source areas within the contaminated area are currently being investigated under the direction of the California Regional Water Quality Control Board–Santa Ana Region (RWQCB), United States Environmental Protection Agency (USEPA), and the Department of Toxic Substances Control (DTSC). These two areas consist of:

- A 160-acre parcel bounded by West Casa Grande Drive on the north, Locust Avenue on the east, the extension of Alder Avenue on the west, and the extension of Summit Avenue on the south; and
- Property owned by the County of San Bernardino, including, but not limited to, future, currently active, and former landfill facilities and the Robertson's Ready Mix aggregate processing facility operating on County land, and one parcel directly south of the County's landfill expansion area.

The source of nitrate contamination in groundwater in the Basin is not fully understood; however, past agricultural activities are believed to be one likely source. The full lateral and vertical extent of nitrates in groundwater in the Basin is presently not known. VOCs including TCE have been detected in groundwater in the Basin since 1988.[1] TCE and other VOCs to a lesser extent are chemicals of concern (COC) in the Basin along with perchlorate and nitrate. The near-source extent of TCE contamination in the Basin is believed to be similar to perchlorate near the source areas, but not extending as far down-basin, with similar suspected sources and source areas. The full lateral and vertical extent of TCE in groundwater in the Basin is presently not known.

[1] *Roadmap to Remedy Selection, Rialto-Colton Basin, California.* City of Rialto, May 4 2007.

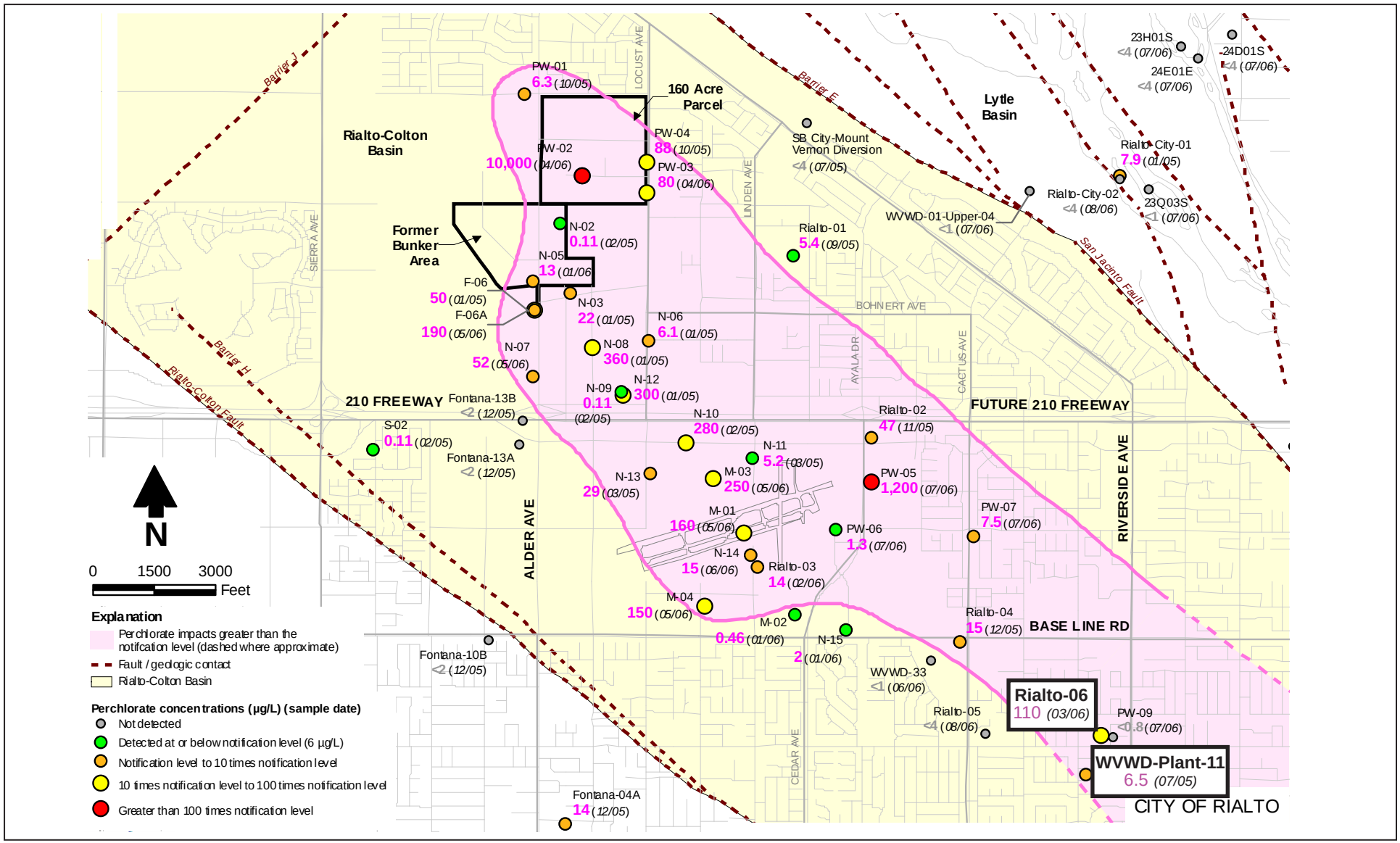

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FIGURE 2

Note: Data represents samples reported through 9/11/2006.
Maximum Perchlorate concentration at Rialto Well #6 is 320 µg/L.

SOURCE: Daniel B Stephens & Associates, Inc (2006)

West Valley Water District and City of Rialto
Wellhead Treatment System Project
Initial Study

Reported Perchlorate Concentrations (µg/L) in Groundwater Between 2005 and 2006

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The loss of Rialto Well No. 6 and District Well No. 11 for drinking water supply due to groundwater contamination has made it difficult for the District and the City to maintain operational flexibility and to meet seasonal peak water demands. The pumping and production capacity of these wells are summarized in Table A. Because of rising perchlorate concentrations, the City declared a water supply emergency and has joined with the District in an effort to stabilize local water supplies.

Table A: Well Characteristics

Well Number	Pumping Capacity	Production Capacity	Permitted Capacity
Rialto Well No. 6	2,510 gpm[1]	3.61 mgd[1]	3.61 mgd[1]
District Well No. 11	1,650 gpm[2]	1.6 mgd[2]	1.6 mgd[2]

[1] *City of Rialto Urban Water Management Plan,* John Egan and Associates, Inc., February 2006.
[2] *Table 2-3 Well Capacity as of May 2005, WVWD Urban Water Management Plan*, 2006.

Rialto Well No. 6. Elevated maximum concentrations of perchlorate (up to 320 micrograms per liter; µg/l)[1] and TCE (up to 6.3 µg/l)[2] have been detected. Increasing perchlorate detections caused the City to inactivate Rialto Well No. 6 for drinking water supply in December 2001. Because of the rising perchlorate concentrations in Rialto Well No. 6 and other wells, the City declared a water supply emergency in November 2007 and has since worked with the District in this and other efforts to stabilize and recover local water supplies.[3]

As identified in Table A, existing pumping capacity, production capacity, and permitted capacity for Rialto Well No. 6 is 2,510 gpm, 3.61 mgd, and 3.61 mgd, respectively.

District Well No. 11. Well No. 11 was taken off-line by the District on August 2, 1999, after elevated concentrations of nitrate were detected in water samples collected on June 28, 1999 (52.2 mg/l) and August 2, 1999 (48.7 mg/l).[4] Prior to June 1999, nitrate concentrations in samples from Well No. 11 were historically in the 3.6 to 9.9 mg/l range. Multiple groundwater samples collected over 20 minutes of start-up pumping on March 9, 2000, conducted as part of a nitrate study detected nitrate at concentrations ranging between 44.9 and 52 mg/l. The well was formally inactivated with the CDPH on March 16, 2001.[5]

The District subsequently completed a series of additional nitrate studies (July 2001, February 2002, and June 2002) and was in the process of re-activating Well No. 11 with the CDPH when perchlorate was detected above the laboratory reporting limits of 4 µg/l on August 13, 2004.[6] Since August 2004, perchlorate concentrations in samples from Well No. 11 have ranged up to 6.5 µg/l.[7] Water pumped

1 California Department of Public Health website, access March 12, 2009.
2 Clinical Laboratories of San Bernardino, 4/17/09.
3 Regular Meeting of the City of Rialto City Council/Redevelopment Agency/Rialto Housing Authority/Rialto Nonprofit Public Building Authority Minutes, City of Rialto, November 20, 2007.
4 West San Bernardino County Water District, 2002. District Well No. 11 Nitrate Study Report. July.
5 West San Bernardino County Water District, 2001. Status Change on West San Bernardino County Water District Well No. 11 and 22. March 16.
6 Department of Health Services, 2002. Reactivation Well l1 – West San Bernardino County Water District (System No. 3610004). August 6.
7 California Department of Public Health website, access March 12, 2009.

as part of sampling activities and/or for the nitrate studies since August 2, 1999, has not been used as drinking water supply.

On January 30, 2009, following the design and installation of a pilot Environmental Security Technology Certification Program (ESTCP) funded wellhead Rohm and Haas ion exchange perchlorate resin treatment system, the District submitted an application to the CDPH to amend the permit for Well No. 11 to reactivate the well. On February 26, 2009, the CDPH amended the permit and reactivated Well No. 11.[1] However, despite being reactivated, the well is still undergoing startup and has not been put completely on-line.

2.3 FUNDING

The project is being funded from multiple sources. This includes funding from the federal government in the form of ESTCP funding for the primary treatment plant, and anticipated funding from the State from both Cleanup and Abatement Account (CAA) and Proposition 84, Section 75025 funds, as described below.

The ESTCP is providing funding for a portion of the fluidized bed biological reactor (FBR) treatment system. This project is a continuation of the treatment pilot test at Rialto Well No. 2. Approximately $3 million has been provided by ESTCP for 1,000 gpm worth of treatment capacity (design and capital cost for installation).

The City and District submitted a request on February 6, 2008, for funding from the CAA. Monies from the CAA are available to cleanup waste or abate the effects of a waste discharge and to remedy an actual or potential unforeseen public health threat. The SWRCB, RWQCBs, or any governmental agency with the authority to cleanup or abate the effects of waste discharges is eligible for funding from the CAA. The SWRCB allocates monies from the CAA for special projects and for emergency projects on a case-by-case basis.

On February 29, 2008, the RWQCB adopted Resolution No. R8-2008-0020, which requested that the SWRCB allocate $3 million from the CAA to conduct a regional groundwater study related to the groundwater contamination in the Basin. The SWRCB subsequently approved Resolution No. 2008-0018 on March 18, 2008, approving the allocation of $3 million from the CAA.

The City and District subsequently requested that $2.8 million be re-designated by the RWQCB/SWRCB for the design, grant application, startup/operation, and maintenance of the wellhead treatment project. The RWQCB approved the adoption of a resolution revising its request for CAA funds from the SWRCB to be allocated to the proposed project through RWQCB Resolution No. R8-2009-0027 on April 24, 2009. The reallocation is pending at the SWRCB, depending on when agenda space becomes available, and is anticipated to be heard in July 2009.

Although initial funding for the proposed project is being secured through CAA funding, the majority of funds (up to $15 million) is being requested through Proposition 84, Section 75025 funds administered by the CDPH. The application deadline for the grant application for Proposition 84

[1] California Department of Public Health Services, 2009. Permit Amendment No. 05-13-09PA-009 for the West Valley Water District Well 11 Perchlorate Treatment Plant (System No. 36-10004). February 26.

funding is ~~August 31,~~unknown at this time, however, per Senate Bill X2.1, DPH must have funding encumbered by June 30, 2010, leading to a grant application deadline anticipated no later than November/December of 2009.

2.4 PROPOSED PROJECT

2.4.1 Project Objectives

The primary objective of the proposed project is to stabilize District and City water supplies by recovering lost Basin capacity and to enhance the operational flexibility and independence of existing groundwater supplies. To achieve this objective, the proposed project will construct and operate a wellhead treatment system to remove nitrate, perchlorate and TCE from groundwater from two drinking water production wells located in the northern half of the Basin, relatively close to the contaminated source areas. The wellhead treatment system will use an FBR for perchlorate and nitrate. The anticipated blended influent TCE concentration from Rialto Well No. 6 and District Well No. 11 is expected to be less than the California drinking water standard; however, there is a contingency for the addition of granular-activated carbon (GAC) or other treatment if excessive TCE is encountered. The FBR is one of two perchlorate treatment technologies listed as a "Best Available Control Technology" by the CDPH.[1] Because the proposed project will be the first full-scale application of an FBR for drinking water in California, an additional objective of the proposed project is to collect cost and operational data for other utilities considering the use of this technology.

Flexibility has been incorporated into the design of the treatment system and pipelines to enable potential expansion to treat up to 4,000 gpm should the project be modified in the future to assist in remediation of the Basin in cooperation with the RWQCB, USEPA, DTSC, and other agencies. The proposed project will also remove contaminants from groundwater in the Basin, resulting in mass removal and decreasing future contamination of down-gradient water supply wells. At this time, the potential expansion of the treatment system is only speculative and any future expansion is not part of the proposed project.

2.4.2 Project Location

As shown in previously referenced Figure 1, the proposed project will utilize existing and new pipelines to convey the untreated water from the wells to the proposed treatment facility. Existing 16-inch pipelines will be used to convey untreated water south from Rialto Well No. 6 to Etiwanda Avenue, north from District Well No. 11 to Etiwanda Avenue, west on Etiwanda Avenue from the intersection of the two influent flows at Willow Avenue, and north on Cactus Avenue to the District's maintenance yard. A new 16-inch pipeline will be installed within Etiwanda Avenue between the Rialto Well No. 6 pipeline and Willow Avenue and within District property from the Cactus Avenue pipeline near Reservoir 3A-2 west through the District property to the treatment plant.

The proposed wellhead treatment plant will be sited within the District's maintenance yard located at District headquarters, 855 West Base Line Road. Figure 1 shows the locations of the proposed wellhead treatment facility site, the existing and new conveyance pipelines, and Rialto Well No. 6 and District Well No. 11.

[1] California Code of Regulations, Chapter 15, Article 12, Section 64447.2.

2.4.3 Project Components

General Description. The District is serving as the CEQA lead agency for the proposed project on behalf of the District and City. A memorandum of understanding (MOU) between District and the City has been executed. The MOU between the City and the District was signed in March 2009 and defines terms between the City and the District concerning CAA funding as contemplated in the funding application and identifies further agreements between the City and District regarding the Proposition 84 grant application and the operation of the wells and the proposed wellhead treatment system. Under the MOU, the proposed project is to be designed to handle up to 2,000 gpm from Rialto Well No. 6 and District Well No. 11.

The planned components of the proposed project include minor well modifications at Rialto Well No. 6 and District Well No. 11; new and existing pipelines within Etiwanda, Willow, and Cactus Avenues, a connection to District Well No. 33 for blending water, as needed, depending on influent concentrations from Rialto Well No. 6 and District Well No. 11; a wellhead treatment plant at the District's maintenance yard (as illustrated in Figure 3), and discharge to either the flood control basin (during the demonstration period as required by the CDPH) or District Reservoir 3A-1 or 3A-2 located within the District's headquarters site. Figure 4 presents a schematic drawing depicting the key interrelationships of the proposed water treatment system.

The wellhead treatment system utilizes a biological treatment process that reduces perchlorate and nitrate to chloride and nitrogen gas, respectively. As stated previously, the blended influent from Rialto Well No. 6 and District Well No. 11 will likely result in TCE concentrations less than the drinking water standard or TCE treatment will be proven as part of FBR demonstration, or will be added as part of a contingency plan. The biological process for nitrate and perchlorate was successfully piloted at Rialto Well No. 2 and has been provided conditional approval by the CDPH.[1] Although there are at least six full-scale water treatment systems that utilize this technology for perchlorate treatment, the proposed project will be the first application of the technology in California that utilizes a biological process to treat groundwater for drinking water supply.

A description of the proposed primary project components and operating processes is included in the following sections. Because the project engineering design is currently at the ~~30 to 60~~90 percent stage, the details of the project and processes may change very slightly in comparison to that described below. However, it is expected that impacts to the environment that may result from any future design changes are not expected to differ from that of the project as described in this IS.

Well Modifications. The proposed project will replace existing pumps in Well No. 6 and Well No. 11 with variable-speed drives to allow for optimal flow control and blending. The well modifications may also include mechanical and electrical adjustments to accommodate different hydraulic conditions and control system modifications to accommodate the requirements of the new wellhead treatment system.

[1] California Department of Health Services, *Conditional Acceptance of Biological Treatment (Fluidized Bed Reactors) for the Removal of Perchlorate During Drinking Water Production*, April 2, 2002.

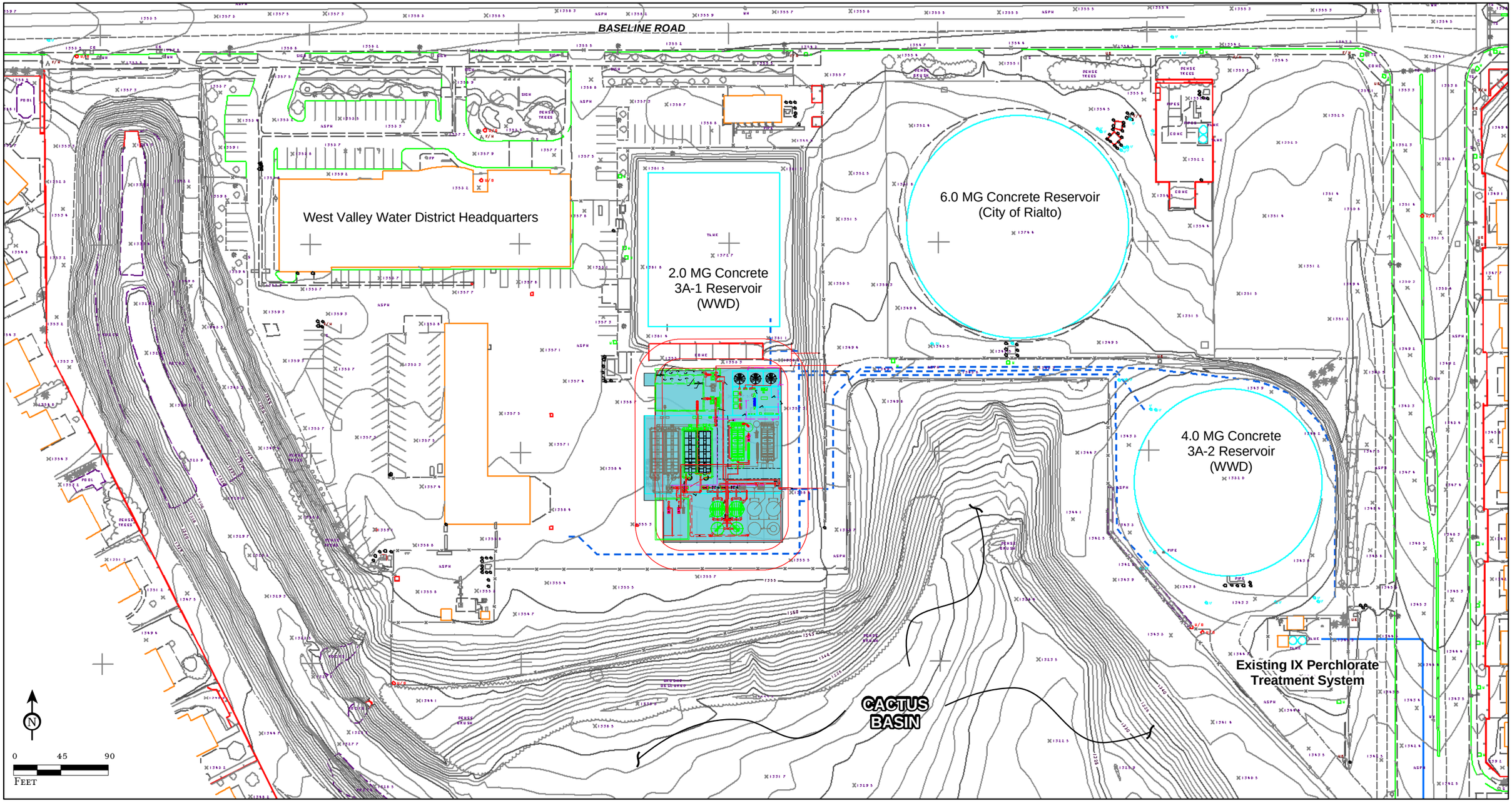

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FIGURE 3

Proposed Treatment Plant

Existing Pipeline

Proposed Pipeline

West Valley Water District and City of Rialto
Wellhead Treatment System Project
Initial Study

Project Area

SOURCE: AirPhotoUSA, 2008; Thomas Bros., 2007

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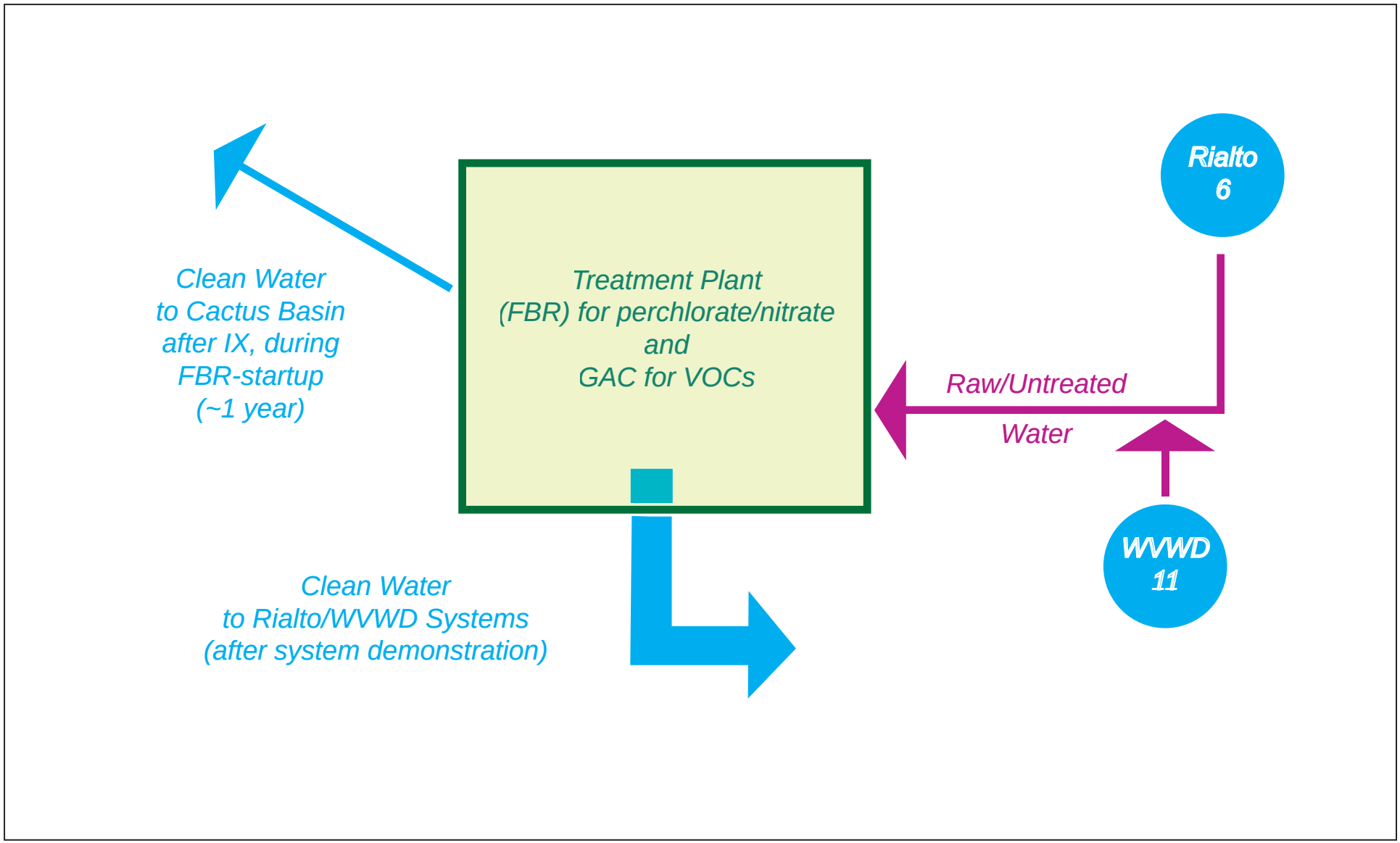

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FIGURE 4

West Valley Water District and City of Rialto
Wellhead Treatment System Project
Initial Study
Project Schematic

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New and Existing Transmission Pipelines. Approximately 690 feet of new 16-inch cement-mortar lined and coated (CML&C) pipeline along Etiwanda Avenue will connect the existing 14-inch CML&C pipeline from Rialto Well No. 6 to the existing 16-inch ductile iron piping (DIP) pipeline from District Well No. 11 at Willow Avenue. The existing 16-inch DIP pipeline starts at District Well No. 11 and continues north along Willow Avenue to Etiwanda Avenue. After that, the combined untreated water will be conveyed in the common pipeline from Rialto Well No. 6 and District Well No. 11 westerly in the existing 16-inch DIP in Etiwanda Avenue to Cactus Avenue. From there, untreated water will be conveyed north along Cactus Avenue to the District's maintenance yard in an existing 16-inch CML&C pipeline as illustrated in Figure 1. All new pipelines installed as part of the proposed project will be 12-inch or 16-inch CML&C pipe. Based on preliminary estimates, there are approximately 290 linear feet of existing 14- inch piping and approximately 5,735 feet of existing 16-inch piping within the project study area. Implementation of the proposed project will result in the installation of approximately 430 linear feet of 12-inch pipeline at the District headquarters site and approximately 2,370 linear feet of 16-inch pipeline within Etiwanda Avenue and the treatment plant/District headquarters site. Of the 2,370 linear feet, approximately 2,110 feet are within the District's headquarters site and 690 feet are within the Etiwanda Avenue right-of-way.

Wellhead Treatment Facility. The ~~majority of the~~ proposed wellhead treatment system will be placed on/under structures within a ~~170~~165-foot by ~~120~~140-foot ~~concrete pad~~footprint. Key portions of the plant will be housed within ~~a~~ one main permanent structure (approximately ~~113~~80-foot by 165-foot) with a total building area of approximately ~~18,645~~11,178 square feet and a building height no greater than ~~20~~ 25.5 feet above existing grade, to shield the equipment from vandalism, high winds, and other environmental factors. The two FBRs will be outside of the building, and will extend up to an approximate height of 275 feet above grade. The proposed wellhead treatment facility is rated at 2,000 gpm and consists of the following:

- Two FBRs in which the media are suspended hydraulically by the upward flow of influent water through the system;
- Two post-aeration vessels to increase the oxygen content in the water;
- Two multimedia filters to remove suspended solid material that carries over from the FBR;
- Disinfection using hypochlorite (generated on-site);
- An approximately ~~18,650~~11,178-square foot building; and
- ~~Three~~ A covered and spill contained area consisting of four 6,000-gallon ~~outside~~ containers for storage of treatment-related chemicals and solids for disposal.
- Connection to City sewer via a sewer line running east from the FBR to east of District Well No. 11 at Cactus Avenue.

The FBR is a fixed-film anoxic reactor in which the bed media are fluidized within the reactor vessel. An electron donor (i.e., acetic acid) is provided to the FBR and utilized for denitrification and perchlorate reduction by the microbes attached to the media.

For the proposed FBR system, the media upon which microbial growth are allowed to occur will be GAC within the reactor vessel. NSF-60 approved (food-grade) acetic acid will be used as the electron donor by the microbes to reduce perchlorate to chloride and nitrate to nitrogen gas, both of which are

harmless end products. The FBR vessels will be 14 feet in diameter and 24 feet high with a 3.5-foot safety fence on top, resulting in a total height of 27.5 feet above grade. A profile, or cross-section, of the proposed building and associated treatment system components is shown in Figure 5.

Additional downstream equipment constitutes a typical surface water treatment plant and includes a post-aeration tank for oxygen concentration increase of the water, a multimedia filter for solids removal, a back flush/effluent sump system for storing backwash water for the multimedia filter system and effluent water that has not reached full-treatment, and a chlorination system for microbial disinfection. The post-aeration vessel will operate in series, utilizing diffused aeration, and are 12 feet in diameter and 24 feet high. The multimedia filters will operate in parallel utilizing coagulants and polymers as filter aids and are each 12 feet wide, 40 feet long, and 10 feet high. The FBR and post-aeration vessels will be outside of the plant building.

For the proposed project, backwash water from the filters will be conveyed to a backwash water sump after which the water will be separated from the solids using dissolved air flotation and coagulants. The backwash water will then be routed to a separation tank where backwash water will be filtered. Through the filtration, solids will be separated from the backwash water and transported to the City publicly owned treatment works (POTW), collected for transport to another POTW, or collected for transport to a landfill. Preliminary calculations indicate that the solids mixture generated by the filtration process will be approximately 430 gallons per day. Based on the size of the septic tanker that may be utilized to haul this biosolids mixture to another POTW or landfill, it is anticipated that the frequency of trips would range between two trips per week to one trip every two weeks.

The remaining water will be sent back through the aeration tank for treatment. The treated water will be conveyed to a filtered water sump, which will serve as the source for backwash water and as the location at which disinfection will occur. From the filtered water sump, treated water will be pumped to an existing distribution system reservoir except during the startup and performance testing periods. These periods are discussed in the following section. A preliminary layout of the FBR system is shown in Figure 6.

Startup and Performance Demonstration Periods. During the initial startup and if future startups are required after extended down periods, there will be a period of time (anticipated to be several days to weeks) during which the biomass in the FBRs must be allowed to mature. During any startup period, removal of groundwater contaminants may be incomplete. Accordingly, after running through the FBR, effluent from the FBR system will either not be chlorinated or will be chlorinated then dechlorinated (for DPH permit reasons) and will run through an existing single pass, ion exchange vessel to remove residual perchlorate. The treated water will then be discharged to the adjacent flood control basin.

The CDPH will require an initial performance demonstration period for the proposed wellhead treatment system of up to one year. During this period, water treated at the wellhead treatment system will be discharged to the Cactus Basin until CDPH approves the wellhead treatment system. Discharges of the treated water will be regulated by the RWQCB under general waste discharge requirements (WDRs). The location of the existing ion exchange vessel and flood control basin is illustrated in previously referenced Figure 3.

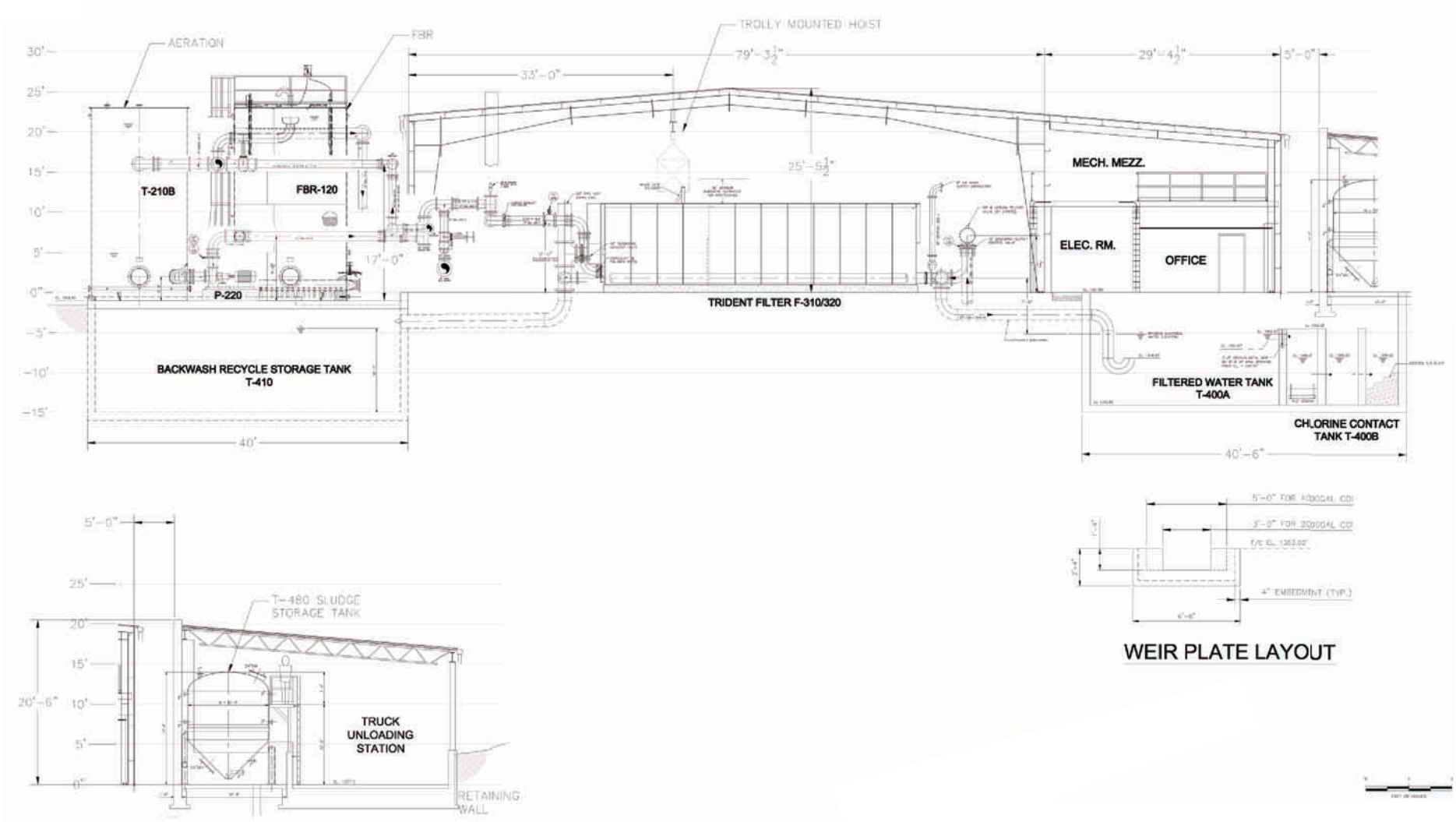

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FIGURE 5

West Valley Water District and City of Rialto
Wellhead Treatment System Project
Initial Study

Wellhead Treatment Plant Building Profile

SOURCE: Basin Water (5/13/09).

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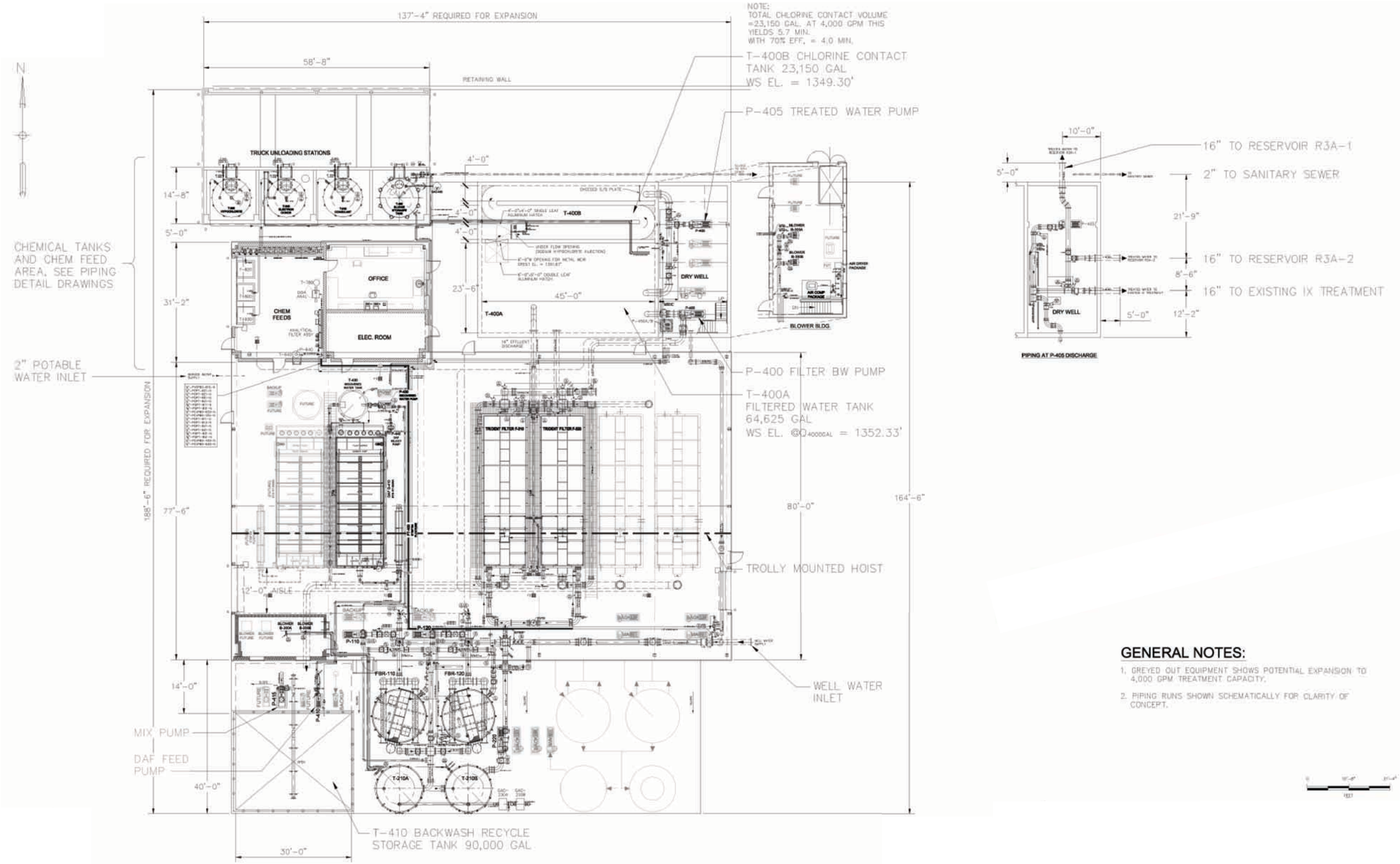

LSA

FIGURE 6

West Valley Water District and City of Rialto
Wellhead Treatment System Project
Initial Study

Conceptual Wellhead Treatment Plant Plan

SOURCE: Basin Water (2009)

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Normal Operation. During normal operation, flow rates of the wells and wellhead treatment system will be held relatively constant up to 2,000 gpm. Minimum flow rates will be based on process requirements and turndown capabilities of well and process equipment. Flow rates and the ratio of water drawn from Rialto Well No. 6, District Well No. 11, and District Well No. 33 will be dictated by operational considerations, including but not limited to the desire to operate the treatment system at a range of influent concentrations.

Perchlorate and nitrate in both the untreated and treated water will be monitored using in-line analyzers. The addition of acetic acid will be based on flow rate and perchlorate/nitrate concentration. The addition of coagulants and polymers for filter needs will be based on solids loading, required treated water turbidity levels, and multimedia backwash frequency. Coagulant addition for solids separation will be based on solids loading and tank residence time. The filters will operate based on headloss (i.e., pressure buildup) and will automatically backwash at specified set-points. Disinfectant addition will be based on treated water flow rate. Residual disinfectant levels may also be monitored using an in-line analyzer as required by CDPH.

Upset Conditions. In the event that, for any reason, complete perchlorate/nitrate treatment is not achieved, the wellhead treatment system will be automatically shut down. This event would also initiate a shutdown of the wells. A shutdown due to breakthrough of perchlorate or nitrate or loss of disinfectant residual would be initiated by the online analyzers. A failure of critical mechanical or chemical systems would also initiate a shutdown.

2.5 REGULATIONS, PERMITS, AND PROJECT APPROVALS

The project will be subject to regulation/input primarily by three regulatory/oversight entities: The California Department of Public Health (for drinking water); the RWQCB (for the temporary/short-term discharge to the Cactus Basin); and appropriate planning agencies (City/District).

2.5.1 Drinking Water Standards and California Water Code

The CDPH's Division of Drinking Water and Environmental Management (DDWEM) promotes and maintains a physical, chemical, and biological environment that contributes positively to health, prevents illness, and ensures protection of the public. Through the DDWEM's Drinking Water Program, public water systems are regulated through the enforcement of primary MCLs standards found in Title 22 of CCRs.

Primary and Secondary Drinking Water Standards. Drinking water regulations are enforced at the State and Federal level. The USEPA is responsible for the enforcement of National Primary Drinking Water Regulations (NPDWRs or primary standards), which apply to public water systems. Primary standards protect public health by limiting the levels of contaminants in drinking water. National Secondary Drinking Water Regulations (NSDWRs or secondary standards) are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. The USEPA

recommends secondary standards to water systems but does not require systems to comply. However, states may choose to adopt them as enforceable standards.

California Water Code. The California Water Code (CWC) is the principal state law regulating water quality in California. The Health and Safety Code, Fish and Game Code, Harbors and Navigation Code, and the Food and Agriculture Code also contain water quality provisions that require compliance.

The CWC contains provisions regulating water and its use. Division 7 (Porter-Cologne Act) of the CWC establishes a program to protect water quality and beneficial uses of the state water resources and includes groundwater and surface water. The SWRCB and the RWQCBs are the principal state agencies responsible for control of water quality. They establish waste discharge requirements, water quality control planning and monitoring, enforcement of discharge permits, and ground and surface water quality objectives. They also prevent waste and unreasonable use of water, and adjudicate water rights.

The California Code of Regulations (CCRs) also contains administrative procedures for the State and RWQCBs in Title 23; and for water quality for domestic uses, wastewater reclamation, and hazardous waste management in Title 22.

2.5.2 Permits

CDPH 97-005 Permitting. District and the City will be required to submit a 97-005 permit application to the CDPH for the following:

- Operate the wellhead treatment facility; and
- Receive the treated water that meets all drinking water standards for distribution to the District/City's customers as potable water.

The CDPH will amend the District's existing water supply permit to allow the use of the treated water from the wellhead treatment facility as part of the District's drinking water supply. The CDPH will make a determination on the District's permit application after the public comment period and the public hearing of the environmental document.

To ensure that the treated water from the wellhead treatment facility is safe and potable as a drinking water source, the CDPH will implement stringent permitting requirements on the District's permit application pursuant to CDPH Policy 97-005, including multi-barrier treatment, reliability of the selected treatment technology, full characterization of raw water quality, source water assessment, source water protection, comprehensive and stringent water quality monitoring, evaluation of risks associated with treatment failure, CEQA documents submittal, a public comment period, and a public hearing.

The CDPH permit amendment provisions may include, but are not limited to, the following:

- Water quality criteria that include treatment of the water to acceptable levels for perchlorate, nitrate, and VOCs, which are very much below the MCLs and action levels (ALs);
- Requirements for State-certified operators, which include special training and additional certification to operate the Wellhead Treatment Facility;
- Requirement for the use of State-certified water testing laboratories;
- Detailed monthly reports on operations and results;
- Inspections, maintenance and alarms; and
- Annual review and reporting of the water treatment facility operations, including on detection of emerging and new chemicals and trending of chemicals being monitored.

RWQCB Waste Discharge Requirements (WDRs). Discharges to land from water treatment systems are regulated under general WDRs that are administrated by the RWQCB. The District will be required to modify an existing or submit a new permit application to the RWQCB before the project can discharge water to Cactus Basin.

South Coast Air Quality Management District Permitting. District and the City will be required to obtain permits from the South Coast Air Quality Management District (SCAQMD) for the operation of the treatment facility. Air permit requirements will be evaluated and obtained as necessary as part of the SCAQMD review of the project.

2.5.3 Project Approvals

The following project approval will be required to implement the proposed project:

- District approval of the Initial Study and adoption of a Mitigated Negative Declaration.
- City approval of findings regarding the adequacy of the environmental analysis contained in the Initial Study.

3.0 INITIAL STUDY

3.1 ENVIRONMENTAL CHECKLIST FORM

The following pages contain the Environmental Checklist Form (Checklist) for the proposed project. The Checklist is marked with findings as to the environmental effects of the project. A checked box (■) in column 1 requires preparation of additional environmental analysis in the form of an EIR. A checked box in columns 4, 3, or 2 indicates the project would have no effect, a less than significant effect, or a less than significant effect with mitigation.

This analysis has been undertaken, pursuant to the provisions of CEQA, to provide the District with the factual basis for determining, based on the information available, the level of environmental documentation required to address appropriately the potential environmental impacts associated with the proposed project. The basis for each of the findings listed in the attached Checklist is explained in the Explanation of Checklist Responses (Section 3.2), which follows the Checklist.

ENVIRONMENTAL CHECKLIST FORM

1.	**Project Title:**	Wellhead Treatment System
2.	**Lead Agency Name and Address:**	West Valley Water District 855 West Baseline Road Rialto, California 92376
3.	**Contact Person:**	Tom Crowley, P.E., Assistant General Manager West Valley Water District
4.	**Project Location:**	The proposed treatment facility is located in the City of Rialto, San Bernardino County. The 0.47-acre treatment site is generally located south of Baseline Road, west of Cactus Avenue, and north of Etiwanda Avenue. Modifications will be made to Rialto Well No. 6 located off Etiwanda Avenue approximately 150 feet west of Palm Avenue and District Well No. 11 located off Willow Avenue approximately 150 feet south of Van Keovering Street. A total of approximately 3,230 linear feet of new pipeline will be installed within Etiwanda Avenue and the District Headquarters site. Of this total, approximately 690 linear feet of new pipeline will be installed in Etiwanda Avenue between Willow Avenue and the point where the existing pipeline from Well No. 6 enters Etiwanda Avenue approximately 150 feet west of Palm Avenue. Approximately 2,540 linear feet of new pipeline will be installed within and adjacent to the District Headquarters site. Existing pipelines within the District Headquarters site, Etiwanda, Willow, and Cactus Avenues will also be used.
5.	**Project Applicant:**	West Valley Water District 855 West Baseline Road Rialto, California 92376
6.	**Existing General Plan Designations:**	Open Space – Flood Control and Public Use – Reservoirs/Wells Energy
7.	**Existing and Proposed Zoning:**	Existing zoning is General Manufacturing (M-2). There are no proposals to change the existing zoning of the project site.

8.	**Project Description:**	The proposed project consists of: modifications to Rialto Well No. 6 and District Well No. 11; the installation of 3,230 feet of new 12-inch and 16-inch CML&C pipelines within Etiwanda Avenue and within and adjacent to the proposed treatment plant located at the District Headquarters site; and the construction and operation of a wellhead treatment plant on the existing maintenance yard at the District Headquarters. The wellhead treatment plant would treat groundwater pumped from Rialto Well No. 6 and District Well No. 11 resulting in the removal of perchlorate, nitrate, and VOCs by running groundwater though a biological treatment process and a GAC filter. The wellhead treatment plant consists of 2 fluidized bed reactors, 1 post-aeration vessel, 3 multimedia filters, a GAC filter, and associated disinfection features housed within an ~~18,645~~11,178-square foot building. The project also includes a connection to existing Rialto Well No. 33 for use in blending with treated water to attain acceptable concentrations of perchlorate, nitrate, and VOCs. The existing maintenance yard is currently covered by asphalt and used for vehicle, material, and equipment storage.
9.	**Existing and Proposed Surrounding Land Use and Setting:**	Adjacent land uses along the segment of Etiwanda Avenue where the pipe installation would occur includes single-family residential uses to the south and north and vacant land to the north. Adjacent land uses surrounding the site where the wellhead treatment plant would occur include flood control basins to the south, water holding reservoirs to the east, and District facilities to the north and west.

3.1.1 Environmental Factors Potentially Affected

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

☐ Aesthetics	☐ Hazards & Hazardous Materials	☐ Public Services
☐ Agricultural Resources	☐ Hydrology & Water Quality	☐ Recreation
☐ Air Quality	☐ Land Use & Planning	☐ Transportation & Traffic
☐ Biological Resources	☐ Mineral Resources	☐ Utilities & Service Systems
☐ Cultural Resources	☐ Noise	☐ Mandatory Findings of Significance
☐ Geology & Soils	☐ Population & Housing	

3.1.2 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 "potential significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.	☐
I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.	☐

Thomas J. Crowley 8/28/09

Signature Date

Thomas J. Crowley, P.E. West Valley Water District

Printed Name For

3.1.3 Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a Lead Agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the Lead Agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4. "Less than Significant Impact 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.
5. Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration [Section 15063 (c) (3) (d)]. In this case, a brief discussion should identify the following:
   (a) Earlier Analysis Used. Identify and state where they are available for review.
   (b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal

standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

(c) Mitigation Measures. For effects that are "Less than Significant Impact with Mitigation Incorporated," describe the mitigation measures that 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 and zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and Lead Agencies are free to use different formats; however, Lead Agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The analysis of each issue should identify: (a) the significance criteria or threshold used to evaluate each question; and (b) the mitigation measure identified, if any, to reduce the impact to less than significance.

3.1.4 Checklist

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
1. AESTHETICS – Would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	■	☐
b) Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	■
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	■	☐
d) Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?	☐	☐	■	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
2. AGRICULTURAL RESOURCES – In determining whether impacts to agricultural resources are significant environmental effects, Lead Agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	■
b) Conflict with existing zoning for agriculture use or Williamson Act contract?	☐	☐	☐	■
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use?	☐	☐	☐	■
3. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	■
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☐	■	☐
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☐	☐	■	☐
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	■	☐
e) Create objectionable odors affecting a substantial number of people?	☐	☐	■	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
4. BIOLOGICAL RESOURCES – Would the project:				
a) Have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	■
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	■
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?	☐	☐	☐	■
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native or resident migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	■
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	■
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	■
5. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?	☐	☐	■	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☐	☐	■	☐
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	■	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
d) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	■	☐
6. GEOLOGY AND SOILS – Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving:				
(i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to Division of Mines and Geology Special Publication 42.)	☐	☐	☐	■
(ii) Strong seismic ground shaking?	☐	☐	■	☐
(iii) Seismic-related ground failure, including liquefaction?	☐	☐	■	☐
(iv) Landslides?	☐	☐	■	☐
(b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	■	☐
(c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on-site or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	■	☐
(d) Be located expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	☐	☐	■	☐
(e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	■
7. 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?	☐	■	☐	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	■	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	■
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	■	☐	☐
e) For a project located within an airport land use plan or where such a plan has not been adopted within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	■	☐
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?	☐	☐	☐	■
g) Impair implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	■	☐
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?	☐	☐	■	☐
8. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements?	☐	☐	■	☐
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	☐	☐	■	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on-site or off-site?	☐	☐	■	☐
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-site or off-site?	☐	☐	■	☐
e) Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	■	☐
f) Otherwise substantially degrade water quality?	☐	☐	■	☐
g) Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	■
h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?	☐	☐	☐	■
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☐	■
j) Expose people or structures to inundation by seiche, tsunami, or mudflow?	☐	☐	☐	■
9. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	■
b) Conflict with an 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?	☐	☐	☐	■
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	■

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
10. 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?	☐	☐	☐	■
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?	☐	☐	☐	■
11. 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?	☐	☐	■	☐
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	■	☐
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	■	☐
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	■	☐
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?	☐	☐	☐	■
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?	☐	☐	☐	■
12. POPULATION AND HOUSING – Would the project:				
a) Induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)?	☐	☐	■	☐
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	■

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	■
13. PUBLIC SERVICES – Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire protection?	☐	☐	■	☐
b) Police protection?	☐	☐	■	☐
c) Schools?	☐	☐	☐	■
d) Parks?	☐	☐	☐	■
e) Other public facilities?	☐	☐	☐	■
14. 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?	☐	☐	☐	■
b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	☐	☐	☐	■
15. TRANSPORTATION AND TRAFFIC – Would the project:				
a) Cause an increase in the traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	☐	■	☐	☐
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	☐	■	☐	☐
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?	☐	☐	■	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact 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)?	☐	☐	☐	■
e) Result in inadequate emergency access?	☐	■	☐	☐
f) Result in inadequate parking capacity?	☐	☐	■	☐
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts and bicycle racks)?	☐	☐	☐	■
16. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	■	☐
b) Require or result in construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	■
c) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	■
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	☐	☐	☐	■
e) Result in a determination by the wastewater treatment provider that services or may serve the project determined that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	■	☐
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	☐	☐	■	☐
g) Comply with federal, state, and local statutes and regulations related to solid waste?	☐	☐	■	☐

Issues and Supporting Information	Potentially Significant Impact	Less than Significant Impact with Mitigation Incorporated	Less than Significant Impact	No Impact
17. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☐	■	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of the past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	■	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	■	☐

3.2 EXPLANATIONS TO THE CHECKLIST FORM

3.2.1 Aesthetics

a) Would the project have a substantial adverse effect on a scenic vista?

Less Than Significant Impact. The *City of Rialto General Plan Update Final Master Environmental Impact Report*[1] (MEIR) does not identify any significant scenic vistas within the City. A scenic vista can be described as a pleasant view or prospect, especially one seen through a long, narrow passage or avenue. The proposed project would result in the installation of approximately 690 feet of new water pipeline within Etiwanda Avenue to connect Rialto Well No. 6 and District Well No. 11 water pipeline to the existing District water pipelines in Etiwanda and Cactus Avenues for conveyance to the District's Headquarters located on Baseline Road west of Cactus Avenue. The proposed project would also result in the construction of a wellhead treatment system within the District Headquarters on the existing maintenance yard. The installation of new water pipelines are anticipated to occur within the existing right-of-way for Etiwanda Avenue and within the District's Headquarters site. Once installation of the pipeline is completed, there would be no parts of the pipeline that would be visible from the roadway. The wellhead treatment system is anticipated to be housed in an ~~18,645~~11,178-square foot building. The preliminary design indicates that the maximum height of the

[1] *City of Rialto General Plan Update Final MEIR*, The Keith Companies, June 1992.

building would be approximately 23 feet and the maximum height of other tanks and associated equipment outside of the building would be approximately 28 feet. With a finished floor elevation for the FBR site of approximately 1,355 feet, the maximum elevation of FBR building would be 1,378 feet and the maximum elevation of the exterior tanks and equipment would be 1,383 feet. The proposed wellhead FBR treatment plant is surrounded by three existing water reservoirs and the District's maintenance building. District Reservoir 3A-1 is located adjacent to the north of the proposed FBR site and the maximum elevation of the reservoir is 1,372 feet. District Reservoir 3A-2 is located approximately 350 feet to the east of the proposed FBR site and the maximum elevation of the reservoir is 1,382 feet. A City ~~of Rialto~~ reservoir is located approximately 200 feet to the northeast of the proposed FBR site and the maximum elevation of the reservoir is 1,374 feet. The District maintenance building is located approximately 75 feet west of the proposed FBR site and the maximum elevation of the building is 1,377 feet. Residences are located west of the proposed project site and west of the drainage swale on the western edge of the District's property. The closest homes are located approximately 450 feet from the proposed FBR site. Due to the location of the existing reservoirs and maintenance building, views of the proposed FBR site are already blocked from the north, east, and west. Views of the FBR site from the south would be from a great distance due to the Cactus Basin. Therefore, the proposed FBR site building and exterior tanks and equipment will not be substantially taller than adjacent structures located on the District Headquarters site. Because the City has not identified a scenic vista to or from the project site or adjacent areas, development of proposed uses would not adversely affect any such vista. A less than significant impact related to this issue would occur. No mitigation is required.

b) Would the project substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. The proposed project is not located along a state scenic highway and there are no state scenic highways located within the project vicinity. The proposed site does not contain any trees, rock outcroppings, historic buildings of significance or other features that have been identified as scenic resources by either the City or State. As no impact to an identified scenic resource would result from development of the proposed on-site uses, no impact associated with this issue would occur. No mitigation is required.

c) Would the project substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. During the installation of the water pipeline, there would be several temporary visual impacts along Etiwanda Avenue, such as exposed earth and job site equipment. However, these visual impacts are temporary and would not have a significant impact on surrounding uses. Once the installation of the pipeline is complete, the disturbed areas would be returned to pre-project conditions as there would be no aboveground features or structures associated with the installation of the water pipeline.

During the construction of the wellhead treatment system, there would be temporary visual impacts on District's maintenance yard. However, similar to the installation of the pipeline, these visual impacts are temporary and would not have a significant impact on surrounding uses. The finished building that would house the wellhead treatment system would be required to comply with all applicable design guidelines identified by the City. Adherence to established design guidelines is a standard condition required of development throughout the City. Conformance with the established

design criteria is enforced through submittal of the project to the City's Development Review Committee, which would review, and (as necessary) condition the project to ensure the all applicable design and construction standards are appropriately incorporated into the proposed project. As this process is required of all development within the City, no separate mitigation is required. Adherence to the standards and conditions identified by the Development Review Committee would ensure the proposed project's compatibility with established design criteria. Because the proposed project would result in development of structures and features that fully incorporate established design criteria, no significant adverse impact related to the change to the existing visual character of the project site would occur. No mitigation is required.

d) Would the project create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area?

Less Than Significant Impact. The installation and operation of the water pipeline would not include a new source of light or glare in the area as installation activities would occur during the daytime and the operation of the water pipeline would be under the roadway. The construction and operation of the wellhead treatment system will necessitate the installation of outdoor lighting necessary for the maintenance of public safety and security. All lighting shall comply with applicable City standards related to the installation and operation of lighting features. These standards require that all on-site lighting be arranged to reflect, or illuminate, away from adjoining properties and public streets. Since all development within the City is required to comply with City lighting standards, which reduce or avoid the addition of new sources of light or glare, impacts associated with lighting will be reduced to less than significant levels. No mitigation measures are required.

3.2.2 Agricultural Resources

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland.

a) Would the project 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 Resource Agency, to non-agricultural use?

No Impact. Important farmland maps are compiled by the California Department of Conservation, Farmland Mapping and Monitoring Program (FMMP), pursuant to the provisions of Section 65570 of the California Government Code. These maps utilize data from the United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) soil survey, and current land use information using eight mapping categories and represent an inventory of agricultural resources within San Bernardino County. The maps depict currently urbanized lands and a qualitative sequence of agricultural designations. Maps and statistics are produced biannually using a process that integrates aerial photo interpretation, field mapping, a computerized mapping system, and public review. Mapping of county farmland categories is conducted every two years.

The northern third of the project site is designated as "Urban and Built Up," which is land used for residential, industrial, commercial, construction, institutional, public administration, railroad and

other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes. The southern two-thirds of the project site is designated as "Other Land," which is land not included in any other mapping category. Common examples include low-density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry or aquaculture facilities; strip mines, borrow pits; and water bodies smaller than 40 acres. No Prime, Unique, or Statewide Important Farmland is located within the project limits.[1] The proposed project would not result in the conversion of land designated as Prime, Unique, or Statewide Importance Farmland; therefore, no impacts would result from the development of the proposed project and no mitigation is required.

b) Would the project conflict with existing zoning for agricultural use or a Williamson Act contract?

No Impact. Williamson Act[2] contracts restrict land development of contract lands. The contracts typically limit land use in contract lands to agriculture, recreation, and open space, unless otherwise stated in the contract. The property is not in the Williamson Act Conservation Contract database.[3] The City has designated the project site for industrial uses. Because the project site is not part of a Williamson Act contract, no impacts associated with this issue are anticipated to occur with the development of the proposed project.

c) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland to non-agricultural use?

No Impact. Please refer to Checklist Responses 3.2.2.a and 3.2.2.b. The proposed project site is currently vacant and is not utilized for agricultural production; therefore, implementation of the proposed project will not result in the conversion of farmland to non-agricultural use. Surrounding properties consisting of industrial, commercial, and residential uses are already urbanized. Therefore, no impact with respect to conversion of agricultural lands to non-agricultural uses would occur.

3.2.3 Air Quality

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

No Impact. The proposed project is located within the South Coast Air Basin (Basin) and is within the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The Basin is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. It includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The current regional air quality plan is the 2007 Air Quality Management Plan (AQMP) adopted by the SCAQMD on June 1, 2007.

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1 Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program Metadata, 2002.

2 The Williamson Act is a procedure authorized under state law to preserve agricultural lands as well as open space. Property owners entering into a Williamson Act contract receive a reduction in property taxes in return for agreeing to protect the land's open space or agricultural values.

3 Department of Conservation, Division of Land Resource Protection, Williamson Act Program metadata, 2004.

Basin-wide air pollution levels are administered by the SCAQMD through the Air Quality Management Plan (AQMP). The AQMP incorporates local general plan land use assumptions and regional growth projections developed by the Southern California Associated Governments (SCAG) to estimate stationary and mobile source emissions associated with projected population and planned land uses. If a new land use is consistent with the local General Plan and the regional growth projections adopted in the AQMP, then the added emissions generated by the new project have been evaluated, are contained in AQMP, and would not conflict with or obstruct implementation of the regional AQMP. The proposed project would not result in an increase in regional growth projections developed by the SCAG as it is an infrastructure project that will provide the District and the City ~~of Rialto~~ with flexibility in delivering water supplies that were previously lost due to unacceptable levels of contamination. Because the proposed project would not increase the population forecast in the formulation of the 2007 AQMP, it would not conflict with or obstruct implementation of any of the control measures in the AQMP. As such, no impacts associated with this issue would occur and no mitigation is required.

b) Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Less Than Significant Impact. Trenching, building construction, and other construction activities would result in combustion emissions from heavy-duty construction vehicles, haul trucks, and vehicles transporting the construction crew. Exhaust emissions during these construction activities will vary daily as construction activity levels change. The proposed project is anticipated to consist of grading, building construction, architectural coating, concrete cutting, trench work, pipe-laying with associated base material and cover, ancillary earthwork, and paving. Site soil conditioning of fill for the building/plant foundation will include a combination of surficial excavation, over-excavation (where deeper tanks are to be placed), and piles to condition site soils and provide a stable building foundation. Currently, the Basin is designated as a nonattainment area for ozone, PM_{10}, and $PM_{2.5}$. Project construction will be required to comply with regional fugitive dust reduction practices (SCAQMD Rule 403) that assist in reducing short-term air pollutant emissions. The purpose of SCAQMD Rule 403 is to reduce the amount of particulate matter in the atmosphere resulting from man-made fugitive dust sources. Among the requirements under this rule, fugitive dust must be controlled so that the presence of such dust does not remain visible in the atmosphere beyond the property line of the emission source. This is achieved by requiring actions to prevent, reduce, or mitigate dust emissions. Adherence to Rule 403 is a standard requirement for any construction activity occurring within the SCAQMD. Adherence to Rule 403 can reduce fugitive dust emissions by 50 percent or more. Table B identifies peak day construction emissions and shows that construction emissions would not exceed regional thresholds and impacts are less than significant. The air emissions calculations for the project are contained in Appendix A of this Initial Study. No mitigation is required.

Table B: Peak Day Construction Emissions

Source	Pollutants (lbs./day)					
	CO	ROC	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Mass Grading	14	3.2	26.5	0	11	3.3
Fine Grading	14	3.2	26.5	0	11	3.3
Trenching	9.5	2.2	19	0	0.9	0.9

Table B: Peak Day Construction Emissions

Source	Pollutants (lbs./day)					
	CO	**ROC**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Paving	9	2.2	13	0	1.1	1
Building Construction	6.7	1.4	10	0.01	0.7	0.6
Architectural Coating	0.3	24	0.02	0	0	0
SCAQMD Threshold	**550**	**75**	**100**	**150**	**150**	**55**
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Localized Significance Threshold	**657**	**—**	**118**	**—**	**4**	**3**
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: LSA Associates, Inc. April 2009.

The SCAQMD published its *Final Localized Significance Threshold Methodology* in June 2003, recommending that all air quality analyses include an assessment of both construction and operational impacts on the air quality of nearby sensitive receptors. Localized Significance Thresholds (LSTs) represent project site maximum emissions that are not expected to result in an exceedance of the national or state ambient air quality standards. LSTs are based on the ambient concentrations of that pollutant within the project source receptor area (SRA) and the distance to the nearest sensitive receptor. For this project, the appropriate SRA is the Central San Bernardino Valley area (Area 34) according to the SRA/City Table on the SCAQMD LST website.[1] It is expected that construction would occur in increments and less than one acre will be actively worked on during any given day. Therefore, the one-acre thresholds were used. The residences nearest to the project site are adjacent to the project boundary. Thus, the LST values for the distance of 25 meters were used, as the SCAQMD recommends utilizing this distance when receptors are located 25 meters or less from the project site. The applicable construction LSTs for the project are identified in Table B. As identified in Table B, emissions would not exceed LST thresholds and impacts are less than significant. No mitigation is required.

The pipeline portion of the project would be restored to its existing condition after construction is complete resulting in no long-term emissions generation. The treatment system portion of the project would result in long-term air pollutant emissions as the various components of the treatment system would require some power source. The District will be required to obtain permits from the SCAQMD for the operation of the treatment facility. Air permit requirements will be evaluated and obtained as necessary as part of the SCAQMD review of the project. Table C identifies the proposed project's operational emissions. It should be noted that emissions associated with the treatment system portion of the project would not conflict with the current AQMP as this use is consistent with the underlying land use and zoning designations of the City ~~of Rialto~~; therefore, emissions that would result from operation of the treatment system have been accounted for in the formulation of the 2007 AQMP.

[1] www.aqmd.gov/ceqa/handbook/LST/LST.html.

Table C: Peak Day Operational Emissions

Source	Pollutants (lbs./day)					
	CO	**ROC**	**NO_X**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Area Source	0.12	0.13	0.14	0	0	0
Mobile Source	1.5	0.26	0.2	0	0.25	0.05
Total	1.6	0.4	0.3	0	0.25	0.05
SCAQMD Threshold	**550**	**55**	**55**	**150**	**150**	**55**
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**
Localized Significance Threshold	**657**	**—**	**118**	**—**	**1**	**1**
Exceeds Threshold?	**No**	**No**	**No**	**No**	**No**	**No**

Source: LSA Associates, Inc. April 2009.

As identified in Table C, long-term operational emissions would not exceed SCAQMD regional or localized thresholds. Therefore, no mitigation is required for long-term emissions and no further analysis is needed.

c) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Less Than Significant Impact. Currently, the Basin is in nonattainment for ozone, PM_{10}, and $PM_{2.5}$. Although the proposed project is within a nonattainment area for ozone, PM_{10} and $PM_{2.5}$, the proposed project would not result in any short-term or long-term emissions of air pollutants in excess of established thresholds. As shown in previously referenced Tables B and C, the project would produce emissions that are below the daily significance thresholds. The pipeline portion of the project would be restored to its existing condition after construction is complete resulting in no emissions generation. The treatment system portion of the project would not conflict with the current AQMP as this use is consistent with the underlying land use and zoning designations of the City ~~of Rialto~~; therefore, emissions that would result from operation of the treatment system have been accounted for in the formulation of the 2007 AQMP. Therefore, impacts associated with this issue would be less than significant and no mitigation is required.

d) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact. Please refer to Checklist Response 3.2.3.b. Sensitive receptors are defined as populations that are more susceptible to the effects of pollution than the population at large. The SCAQMD identifies the following as sensitive receptors: long-term healthcare facilities, rehabilitation centers, convalescent centers, retirement homes, residences, schools, playgrounds, childcare centers, and athletic facilities. The nearest sensitive receptors are the residences located adjacent to the pipeline construction zone. However, residents would not be exposed to significant construction-related pollutants during the temporary construction period (Table B) or during the operations and maintenance phase (Table C). Impacts are less than significant.

e) Would the project create objectionable odors affecting a substantial number of people?

Less Than Significant Impact. During construction, diesel-powered vehicle and equipment exhaust would create odors. Additionally, the installation of asphalt may generate odors. While the application of architectural coatings and installation of asphalt may generate odors, these odors are temporary and not likely to be noticeable beyond the project boundaries. SCAQMD Rules 1108 and 1113 identify standards regarding the application of asphalt and architectural coatings, respectively. These standard SCAQMD requirements regarding the installation of asphalt surfaces are sufficient to reduce temporary odor impacts to a less than significant level. The operation of the proposed treatment system would be housed within an enclosure and would not generate long-term objectionable odors. Therefore, a less than significant impact would occur with respect to the creation of objectionable odors. No mitigation measures would be required.

3.2.4 Biological Resources

a) Would the project have a substantial adverse effect, either directly or indirectly or through habitat modification, on any species identified as a candidate, sensitive, or special status in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

No Impact. The area where the installation of the water pipeline would occur would be within an existing roadway. Therefore, there would be no suitable habitat that would be impacted by the installation of the water pipeline. The water treatment system would be built on the existing maintenance yard within District Headquarters. The existing maintenance yard consists of paved surfaces, gravel, and dirt areas and does not support suitable habitat for sensitive or special status species. In addition, the project site is not located within any U.S. Fish and Wildlife Service (USFWS) designated critical habitat. Due to the existing condition of the project site, and because no designated critical habitat is located in the vicinity of the proposed project, no impacts associated with this issue would occur. No mitigation is required.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service?

No Impact. The project site does not contain drainage features, ponded areas, or riparian habitat potentially subject to jurisdiction by the California Department of Fish and Game (CDFG), USFWS, or Regional Water Quality Control Board (RWQCB) as the project site consists of an existing roadway and a developed maintenance yard. Although the project will result in the temporary discharge of water into the adjacent Cactus flood control basin, the basin is regularly maintained by the San Bernardino Flood Control District and therefore does not constitute riparian habitat or a sensitive natural community. The project site is not subject to any adopted habitat conservation plan and is therefore subject to regulation by local, state, and federal laws on a case-by-case basis. Due to the absence of any riparian or sensitive natural community, no impact associated would occur. No mitigation is required.

c) Would the project 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?

No Impact. No federally protected wetlands as defined by Section 404 of the Federal Clean Water Act potentially subject to jurisdiction by the CDFG, USFWS, and RWQCB were identified within the project limits. In the absence of any such resource, no impact associated with this issue would occur. No mitigation is required.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native or resident migratory wildlife corridors, or impeded the use of native wildlife nursery sites?

No Impact. The project site is located in a heavily urbanized area and is not located near any identified wildlife movement corridor or nursery site. The project site itself consists of an existing roadway and developed maintenance yard and is not a wildlife movement corridor or nursery site. Because of habitat fragmentation and the project site's isolation from undisturbed natural areas, the project site does not serve as wildlife movement corridor or nursery site. Development of the proposed project would not impede regional wildlife movement. No impact related to this issue would result from development of the proposed project. No mitigation measures are required.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The proposed project will not conflict with any local policies or ordinances protecting biological resources (e.g., tree preservation policy or ordinance). The adopted ordinance for protection of public trees during construction work (Ord. 1081 § 1 [part], 1989) applies to trees either on public land or trees planted in planting strips, parkways, or tree wells. The installation of the water pipeline would occur within the existing right-of-way of Etiwanda Avenue, where no trees are currently present. The construction and operation of the wellhead treatment system would occur on a developed maintenance yard where no trees are currently present. Therefore, there would be no trees affected by the implementation of the proposed project. For this reason, no impacts associated with this issue would occur. No mitigation measures are required.

f) Would the project conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The project site is not subject to any adopted habitat conservation plan and is therefore subject to regulation by local, state, and federal laws on a case-by-case basis. As there is no adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan applicable to the project, there will be no impact associated with this issue. No mitigation is required.

3.2.5 Cultural Resources

a) Would the project cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?

Less Than Significant Impact. According to the *City of Rialto General Plan Update Final Master Environmental Impact Report, Figure 4.13-1*,[1] the proposed project site is not located in an area considered high in sensitivity for historical resources, nor is it located in an eligible historic district. Additionally, the locations involved in the project have previously been disturbed by activities associated with previous and current use of the subject site. Therefore, the potential for the project to affect a historical resource is minimal and considered less than significant. No mitigation is required.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

Less Than Significant Impact. The proposed project site is not located in an area that is designated by the City's *General Plan Update Master Environmental Impact Report* as high in sensitivity for archaeological resources (*General Plan Update*, Figure 4.13-1).[2] The construction of the water treatment facilities will take place on land that has been previously developed as a material storage and parking area. The site was previously used to burn waste and fill material was imported. The fill material/burn residue beneath the site is not suitable for project loading without conditioning. ~~and t~~Therefore, a combination of surficial excavation, over-excavation (where deeper tanks are to be placed), and piles to condition site soils and provide a stable building foundation will be implemented. ~~the soils will require over-excavation and recompaction as part of the soil preparation and grading~~. In addition, the placement of the proposed pipelines will require excavation and trenching both within the headquarters and flood control property and within Etiwanda Avenue. All disturbance that will take place as a part of the project will occur on land that has been previously disturbed and the site is not located in an area that is regarded as highly sensitive for archaeological resources Therefore, a less than significant impact related to this issue would occur and no mitigation is required.

c) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact. The treatment facility portion of the project will be constructed on land that has been previously disturbed and is currently in use as a parking and storage area. The pipeline portion of the project will be constructed within the existing Etiwanda Avenue right-of-way, which has also previously been disturbed and paved during the construction of the roadway. As both project components will take place on land that has been previously disturbed and paved the likelihood of encountering unique paleontological resources is low and a less than significant impact related to this issue would occur. No mitigation is required.

d) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact. The California Health and Safety Code (Section 7050.5) states that if human remains are discovered on site, no further disturbance shall occur until the County Coroner has

[1] *City of Rialto General Plan Update Final Master Environmental Impact Report*, The Keith Companies, March 1992.
[2] *City of Rialto General Plan Update Final Master Environmental Impact Report*, The Keith Companies, March 1992.

made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98, including coordination with local Native American Indians if the remains are prehistoric. As adherence to state regulations is required for all development, no mitigation is required in the unlikely event human remains are discovered on site. Impacts are considered less than significant and no mitigation is required.

3.2.6 Geology and Soils

a) Would the project 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 evidences of known fault? (Refer to Division of Mines and Geological Special Publication 42.)

No Impact. Known regional active and potentially active faults that could produce significant ground shaking at the site include the San Jacinto, San Andreas, Lytle Creek, Rialto-Colton, and Cucamonga Faults. The San Jacinto Fault and Rialto-Colton Faults are approximately 1.6 miles to the northeast and 0.9 mile to the southwest of the project site, respectively. No known active or potentially active faults traverse the site, nor is the project site located within an Alquist-Priolo Earthquake Fault Zone.[1] As such, no impact related to ground rupture resulting from seismic activity would occur. In the absence of any significant impact, no mitigation is required.

ii) Strong seismic ground shaking?

Less Than Significant Impact. Like all of southern California, the project site has and will continue to be subject to ground shaking generated from activity on local and regional faults. No habitable structures or bridges are proposed as part of the proposed project. The Uniform Building Code (UBC) and the California Building Code 2007 (California Code of Regulations, Title 24) establishes engineering standards appropriate for the seismic zone in which development may occur. The design of the proposed project would include seismic design parameters included in the Uniform Building Code as modified by the California Building Code, which will help ensure that construction is conducted in an earthquake-safe fashion. Adherence to UBC and California Building Code standards will ensure potential ground shaking impacts are reduced to a less than significant level. No mitigation is required.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction is a phenomenon that occurs when strong earthquake shaking causes soils to collapse from a sudden loss of cohesion and undergo a transformation from a solid to a liquefied state. Factors influencing a site's potential for liquefaction include area seismicity, the type and characteristics of on-site soils, and the level of groundwater. Liquefaction typically occurs in areas where groundwater is shallower than approximately 30 feet, and where there is the presence of loose, sandy soils. The proposed project site is not located in an area identified as being prone to liquefaction, and the potential for earthquake-induced liquefaction within the proposed

[1] USGS 7.5-minute Quads: *Fontana, California* (1980); California Geological Survey (2005).

project is considered very low.[1] Because liquefaction at the project site is considered to be very low, a less than significant impact related to liquefaction would occur. No mitigation would be required.

iv) Landslides?

Less Than Significant Impact. The proposed project is within an area developed with urban uses and is not located adjacent to or near any geographical feature that would be susceptible to landslides. The project site was relatively flat and exhibited a southerly gradient. No other significant surface features were identified within the project limits. Because the proposed project is not located within close proximity of any geographical feature that would be susceptible to producing landslides and because the project site is relatively flat, the occurrence of a landslide near or on the project site is low. Therefore, impacts associated with landslides would be less than significant.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. The proposed project will require excavation, stockpiling, and movement of on-site soils. Currently, construction projects resulting in the disturbance of 1.0 acre or more are required to obtain a National Pollutant Discharge Elimination System (NPDES) permit issued by the Regional Water Quality Control Board (RWQCB). The project's construction contractor will be required to prepare a Storm Water Pollution Prevention Plan (SWPPP) that identifies Best Management Practices (BMPs) to limit the soil erosion during project constructions. Adherence during construction to provisions of the NPDES permit and applicable BMPs contained in the SWPPP will ensure that potential impacts related to this issue are less than significant.

c) Would the project 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-site or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse?

Less Than Significant Impact. Subsidence is the sudden sinking or gradual downward settling of the earth's surface with little or no horizontal motion. Subsidence is caused by a variety of activities, which include (but is not limited to) withdrawal of groundwater, pumping of oil and gas from underground, the collapse of underground mines, liquefaction, and hydro-compaction. The proposed project does include the removal of groundwater from existing wells (Rialto Well No. 6 and District Well No. 11) in the project site's vicinity. While these well have not been in operation recently due to contamination, groundwater extraction at these well locations have historically occurred. The removal of groundwater that would occur under the project would be treated to remove contaminants and to help stabilize groundwater extraction capacity. Minor ground subsidence is expected to occur in the soils below the zone of removal due to settlement and machinery working. ~~In addition, the soils will be over-excavated and recompacted because of the previous use of the site for burning waste.~~ The site was previously used to burn waste and fill material was imported. The fill material/burn residue beneath the site is not suitable for project loading without conditioning. Therefore, a combination of surficial excavation, over-excavation (where deeper tanks are to be placed), and piles to condition site soils and provide a stable building foundation will be implemented. The actual amount of subsidence is expected to be variable and would be dependent on the type of machinery used, repetitions of use, and dynamic effect, all of which are difficult to quantitatively assess. The proposed project would be

[1] San Bernardino County Land Use Plan General Plan Geologic Hazard Overlays. Rialto Mapping Index by Community. FH 29B http://www.co.san-bernardino.ca.us/landuseservices/General%20Plan%20Update/Mapping/3-Geologic%20Hazard%20Overlays%20Maps/FH29C.pdf. Date accessed April 14, 2009.

required to adhere to ~~County and~~ professional engineering ~~requirements~~ ~~and~~ standards ~~and the soils will be over-excavated and recompacted~~ to condition soils for foundations. Adherence to ~~County and~~ professional engineering ~~requirements and~~ standards ~~plus over-excavation and recompaction of the~~ and soil~~s~~ conditioning will reduce impacts to a less than significant level. No mitigation is required.

d) Would the project 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?

Less Than Significant Impact. Expansive soils generally have a significant amount of clay particles which can give up water (shrink) or take on water (swell). The change in volume exerts stress on buildings and other loads placed on these soils. The extent of shrink/swell is influenced by the amount and kind of clay in the soil. The occurrence of these soils is often associated with geologic units having marginal stability. The distribution of expansive soils can be widely dispersed, and they can occur in hillside areas as well as low-lying alluvial basins.

According to *Soil Survey of San Bernardino County, Southwestern Part*, on-site soils consist of Hanford Coarse Sandy Loam, (2–9% slopes: HaC) and Tujunga Gravelly Loamy Sand (0–9% slopes: TvC).[1] On-site soils are characterized as having a low shrink-swell potential. As soils covering the proposed project site have a low shrink-swell potential, and development of the proposed project site will be required to adhere to UBC and City design and engineering standards, impacts associated with this issue are considered less than significant.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The proposed project will connect to the existing sanitary sewer system. Because septic or alternative waste disposal systems will not be utilized, no impact related to this issue will occur. No mitigation is required.

3.2.7 Hazards and Hazardous Materials

a) Would the project create a significant hazard to the public or the environment through routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact with Mitigation Incorporated. Potentially hazardous materials such as fuels, lubricants, and solvents would be used during project construction. The transport, use, and storage of hazardous materials during the construction of the project would be conducted in accordance with all applicable state and federal laws, such as the Hazardous Materials Transportation Act, Resource Conservation and Recovery Act, the California Hazardous Material Management Act, and the California Code of Regulations, Title 22. Compliance with all applicable laws and regulations would reduce the potential impact associated with the routine transport, use, storage, or disposal of hazardous materials during construction to a less than significant level.

The proposed project would result in the treatment of groundwater produced by Rialto Well No. 6 and District Well No. 11. Both wells have been affected by perchlorate and exceed the permissible level

[1] *Soil Survey of San Bernardino County, Southwestern Part,* United States Department of Agriculture, January 1980.

of perchlorate allowed in drinking water. The proposed pipeline would connect water pumped from Rialto Well No. 6 to the existing pipeline from District Well No. 11 at Willow Avenue. The combination of groundwater flows would then be conveyed in the common pipeline located in Etiwanda Avenue to Cactus Avenue, then north along Cactus Avenue to the District Headquarters site.

Since the pipeline is a conveyance feature, it is anticipated that during the operation of the pipeline, there would be no transport, use, or disposal of hazardous materials as a result of the pipeline operations. The operation of the wellhead treatment system involves the passing of groundwater containing perchlorate and nitrate through a biological treatment FBR system. Long-term operation of the FBR system would involve transport, storage, use, and disposal of various chemicals. Sodium hypochlorite, acetic acid, and a coagulant utilized at the wellhead treatment plant would be stored in 6,000-gallon containers, located on the FBR building pad but outside of the building. Phosphoric acid, a polymer, and a caustic pH control chemical (sodium hydroxide) will be stored in separate 220-gallon containers inside of the FBR building.

There are a number of federal, state, and local requirements and regulations that are designed to minimize risks from accidental releases of hazardous materials. Hazardous material storage and use areas at the project site would be built and operated in compliance with the minimum requirements of the Uniform Fire Code and the California Fire Code. Some of the requirements are secondary containment for liquids, fire water sprinklers over inside storage/use areas, and non-combustible building construction. Additionally, the proposed project would be constructed in compliance with the California Building Code, which requires design features to resist forces generated by a major earthquake with limited architectural or structural damage and to provide adequate fire protection that precludes accidental releases of hazardous chemicals due to fire.

Some chemicals to be utilized on the FBR site are considered hazardous. The California State Environmental Protection Agency (Cal/EPA) implements the Unified Program that consolidates, coordinates, and makes consistent the administrative requirements, permits, inspections, and enforcement activities of six environmental and emergency response programs. As part of the Unified Program, the specific state agencies responsible for each program sets the standards for their program and local government agencies, defined as the local Certified Unified Program Agency (CUPA) are required to implement them. The San Bernardino County Fire Department is the designated CUPA for t~~he City of~~ Rialto. As the local CUPA, the San Bernardino County Fire Department will regulate the transport, use, and disposal of the chemicals to be utilized on site. The administrative requirements, permits, inspections, and enforcement activities associated with the District's use of the potentially hazardous chemicals will be regulated through an update to its Business Plan that will be submitted for review and approval by the San Bernardino County Fire Department. Implementation of **Mitigation Measure HAZ-01** will ensure that the District submits an updated Business Plan to address the proposed FBR treatment site by identifying the specific transport, storage, use, and disposal practices for each of the potentially hazardous materials used on site. Implementation of this mitigation measure will reduce the frequency of upset and accident conditions that would create a significant hazard to the public from the release of hazardous materials. With implementation of this measure, impacts to the public or the environment through routine transport, use, or disposal of the potentially hazardous materials are considered less than significant.

HAZ-01 Prior to the issuance of certificate of occupancy for the FBR treatment site, the District shall submit to the San Bernardino County Fire Department an update to its Business Plan. The updated plan shall identify the administrative requirements, permits, inspections, and enforcement activities associated with the District's use of each potentially hazardous chemical within the FBR treatment site. The updated Business Plan shall be approved by the San Bernardino County Fire Department prior to issuance of the certificate of occupancy.

b) Would the project 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?

Less Than Significant Impact with Mitigation Incorporated. As previously indicated, hazardous substances may be used during construction and operation of the proposed project. However, compliance with the regulations cited above and additional federal, state, and local regulations such as the Comprehensive Environmental Response, Compensation, and Liability Act, and the California Emergency Services Act concerning the storage and handling of hazardous materials or volatile fuels and their accidental release will reduce the potential for significant impacts related to the accidental release of hazardous materials to a less than significant level.

As discussed under item 3.2.7.a, there are several potentially hazardous chemicals that will be used at the FBR treatment site. The transport, storage, use, and disposal of hazardous chemicals are regulated by the San Bernardino County Fire Department. Implementation of **Mitigation Measure HAZ-01** will reduce the impacts associated with the accidental release of hazardous materials into the environment through a Business Plan to be approved by the San Bernardino County Fire Department. The Business Plan will set forth the administrative requirements, permits, inspections, and enforcement activities associated with the transport, storage, use, and disposal of these chemicals, resulting in a less than significant impact to the public or the environment from their accidental release.

During the initial startup, there is a period (anticipated to be several weeks) that the biomass within the wellhead treatment system must be allowed to mature. During this startup period, removal of perchlorate and nitrate may be incomplete. Accordingly, the treated water would be diverted through an existing single pass, ion exchange vessel to remove any residual perchlorate. The ion exchange vessel is located approximately 400 feet east of the proposed FBR site on the south side of District reservoir 3A-2. The resulting water would then be discharged to the adjacent Cactus Basin flood control basin for recharge. In addition, it is anticipated that the California Department of Public Health (CDPH) will require a performance demonstration of up to one year. During this period, water treated at the wellhead treatment plan would be discharged to the flood control basin until CDPH makes a determination that the operation of the wellhead treatment system is stable and that the supplemental ion exchange treatment is not required.

Since untreated water is pumped out and sent through the wellhead treatment system, the treated water being discharged into the flood control basin during this initial start up period would be of equal or better quality than the water that currently exists in the groundwater basin. The temporary discharge into the flood control basin will be regulated and permitted through general WDR permit number R8-2007-008. In addition, perchlorate and nitrate concentrations in both the treated and

untreated water would be monitored through the use of online analyzers. Therefore, impacts associated with this issue would be less than significant. No further mitigation measures are required.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

No Impact. The nearest school to the project site is Eisenhower Senior High School, which is located at 1321 North Lilac Avenue, approximately 0.45 mile northeast of the project site. The proposed project site is not located within 0.25 mile of an existing or proposed school; therefore, no impact associated with this issue is anticipated to occur. No mitigation is required.

d) Would the project be located on 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?

Less Than Significant Impact with Mitigation Incorporated. The proposed project consists of the installation of a water pipeline within an existing roadway and the construction of a wellhead treatment system on a developed maintenance yard. Based on the Department of Toxic Substance Control's (DTSC) Hazardous Waste and Substance Site (Cortese) List, no underground storage tanks, hazardous waste generators, landfills, or other potentially hazardous materials sources have been identified within the limits of the proposed project.[1] Based on a Phase I Environmental Site Assessment[2] prepared for the proposed FBR treatment site (see Appendix B~~A~~ to this Initial Study), past use of the project site included a burn pit for materials disposal. In addition, existing and recent use of the site by the District for maintenance activities and fuel/oil storage may have resulted in potential releases of hazardous materials at four locations. These include one 5,000-gallon fuel underground storage tank (UST) that was removed from an area east of Building C and west of the proposed FBR site, gasoline and/or diesel release near two aboveground storage tanks (AST) located along the west edge of the proposed FBR building pad, and potential release of waste oil from an oil storage area located along the east edge of the proposed FBR building pad (see Figure 2 in the attached Phase I Environmental Assessment). The Phase I report recommends that additional soil assessment be conducted of the burn residue/fill material, the on-site fuel ASTs, the location of the removed UST, and the on-site oil storage area. To ensure that the underlying soils on the project site do not pose a hazardous impact for the proposed project, **Mitigation Measures HAZ-02** through **HAZ-04** have been identified. In the event potentially hazardous materials are encountered during project construction activity, implementation of these measures would reduce the potential to a less than significant level.

HAZ-02 Prior to the issuance of grading permits, the ~~project proponent~~ District shall submit to the City for review and to the RWQCB for approval a Phase II Environmental Site Assessment for the project site where the wellhead treatment system would be built. Specifically, the Phase II Environmental Site Assessment shall perform limited soil sampling assessment of the burn residue/fill materials located within the area of the FBR site building pad, the on-site fuel ASTs, the location of the removed UST, and the on-site oil storage area and make recommendations for remediation of impacted soil to be

[1] *EnviroStor Database,* California Department of Toxic Substances Control, http://www.envirostor.dtsc.ca.gov/public/, website accessed April 10, 2009.

[2] *Phase I Environmental Site Assessment, FBR Treatment Plant – West Valley Water District*, Kennedy/Jenks Consultants, May 18, 2009.

disturbed as part of the project. The project shall adhere to recommendations made in the Phase II Environmental Site Assessment through the submittal of evidence to the ~~City~~ RWQCB that such recommendations have been implemented.

HAZ-03 If determined necessary based on the results of the Phase II Environmental Site Assessment discussed in HAZ-02, a Contaminated Materials Management Plan (CMMP) shall be prepared by the District and implemented by the selected contractor to address project construction activities in and around any contaminated soils needing special handling or segregation. The CMMP shall be submitted to the City for review and to the RWQCB for approval. The CMMP shall include procedures and protocols for the proper management and disposal of contaminated materials encountered.

HAZ-04 A site-specific Health and Safety Plan (HASP) shall be prepared by the selected contractor for the project that will present the methods to be used to protect workers and the public during the course of the project, including work performed in areas of contaminated soils located within 500 feet of the project excavation area. The HASP shall be submitted to the City for review and to the RWQCB for approval. This plan shall include identification of closed and active UST and AST sites that are identified as having residual petroleum hydrocarbon-containing soil within 500 feet of project excavation activities and procedures for monitoring levels of contaminants during excavation activities.

Adherence to **Mitigation Measures HAZ-02, HAZ-03,** and **HAZ-04** would reduce impacts to a less than significant level.

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?

Less Than Significant Impact. The project site is located approximately 1.0 mile southeast of the Rialto Municipal Airport (RMA) and is located within the Rialto Municipal Airport Comprehensive Land Use Plan (RMACLUP).[1] However, the City is in the process of master planning "Renaissance Rialto," a 1,500-acre master planned community. Implementation of Renaissance Rialto, which would require the closure of the RMA as soon as possible after all qualified airport tenants have been relocated pursuant to the City's approved Relocation Plan.[2] Once the closure of RMA occurs, the project site would no longer be within an airport land use plan; however, airport operations currently still take place at RMA.

The proposed project consists of the installation of a water pipeline within an existing roadway and the construction of a wellhead treatment system on a developed maintenance yard. Therefore, the proposed project would not result in a safety hazard for those working in the project area as the project would not interfere with the existing RMACLUP. Therefore, impacts to people working in the proposed project area with regard to the RMA would be less than significant. No mitigation is required.

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1 *Hazard Overlays, San Bernardino County Land Use Plan General Plan*, http://www.co.san-bernardino.ca.us/landuseservices/General%20Plan%20Update/Mapping/2-Hazard%20Overlays%20Maps/FH29B.pdf, website accessed April 9, 2009.

2 *Draft Airport Closure Plan for Rialto Municipal Airport*, Mead & Hunt, Inc., April 3, 2007.

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?

No Impact. The project is not located within the vicinity of a private airstrip. Consequently, no impacts associated with this issue will occur. No mitigation measures are required.

g) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The project proponent will be required to design, construct, and maintain structures, roadways, and facilities in accordance with applicable standards associated with vehicular access, resulting in the provision of adequate vehicular access that will provide for adequate emergency access and evacuation. Construction activities that may temporarily restrict vehicular traffic will be required to implement adequate and appropriate measures to facilitate the passage of persons and vehicles through/around any required road closures. Adherence to these standards will reduce potential impacts related to this issue to a less than significant level, and no mitigation measures are required.

h) Would the project 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 residents are intermixed with wildlands?

Less Than Significant Impact. The project site is not located within a Fire Hazard Area or within an area susceptible to wildfires identified by the City ~~of Rialto~~ or the County of San Bernardino.1 Areas surrounding the project site consist of urban and built areas. Because of the lack of abundant vegetation and the extensive amount of development within the vicinity of the project site, on-site and adjacent areas do not have the capability to support a wildfire. Because of the low probability that the project site would be subject or susceptible to wildland fires, no significant impact related to this issue would occur. No mitigation measures are required.

3.2.8 Hydrology and Water Quality

a) Would the project violate any water quality standards or waste discharge requirements?

Less Than Significant Impact. Waste discharges include discharges of stormwater, construction discharges, and the release of treated water during the initial startup and testing phases of the treatment plant. Construction projects resulting in the disturbance of 1.0 acre or more require an NPDES permit. A component of the Construction permit is the preparation of a Storm Water Pollution Prevention Plan (SWPPP). The purpose of an SWPPP is to identify and implement Best Management Practices (BMPs) to reduce impacts to surface water from contaminated stormwater discharges. The proposed project will not disturb 1.0 acre of land and therefore will not be required to prepare an SWPPP. The project site does not have a known history of contamination; therefore, no impact regarding violation of water quality standards during the construction and operation of the proposed project would occur. Prior to the ~~issuance of~~ start of any grading or building

[1] *Hazard Overlays, San Bernardino County Land Use Plan General Plan*, http://www.co.san-bernardino.ca.us/landuseservices/General%20Plan%20Update/Mapping/2-Hazard%20Overlays%20Maps/FH29B.pdf, website accessed April 9, 2009.

~~permit~~construction, the proposed project shall submit and have approved a stormwater quality management plan (SWQMP) to the ~~city engineer on a form provided by the city~~RWQCB. The SWQMP shall identify all BMPs that will be incorporated into the project to control stormwater and non-stormwater pollutants during and after construction and shall be revised as necessary during the life of the project.

As stated in the project description, for up to one year during the initial testing and start up of the project, water would be released from the treatment area into existing basins located adjacent to the treatment facility for recharge. The temporary discharge into the flood control basin will be regulated and permitted through general WDR permit number R8-2007-008. Since untreated water is pumped out and sent through the wellhead treatment system, the treated water being discharged into the flood control basin during this initial start-up period would be of equal or better quality than the water that currently exists in the groundwater basin. In the event that, for any reason, complete treatment of the water being released was not achieved, the wellhead treatment system will automatically be shut down. This would also trigger a shutdown of the wells ensuring that no untreated water would be released.

Since the construction and operation of the proposed project would be required to comply with the approved SWQMP for the project and the project would not release untreated water during its operation, a less than significant impact related to this issue would occur and no mitigation is required.

b) Would the project 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 preexisting nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Less Than Significant Impact. The project site is underlain by the Rialto-Colton subbasin of the Upper Santa Ana Valley Groundwater Basin. The Rialto-Colton subbasin encompasses approximately 30,100 acres.[1] The project site is within the service boundaries of the District. The purpose of the proposed project is to treat groundwater contaminated with perchlorate~~s~~, nitrate~~s~~, and VOCs to restore lost groundwater extraction capacity due to contamination. This contamination has reduced water system total production capacity and has limited the ability to meet peak seasonal water demand. Groundwater would be extracted using existing wells that have been removed from service due to high levels of contamination. Modifications to the existing wells would not increase extraction capacity. The extraction of groundwater would then be followed by a series of treatments that would then allow the groundwater to be released as drinking water. The installation of a treatment system would allow groundwater extraction to continue as it occurred prior to the shutdown due to the presence of groundwater contamination. Therefore, although the project would be extracting groundwater, it would not be extracting more than what the wells were originally designed and constructed for.

The principal recharge areas for the Rialto-Colton subbasin are Lytle Creek in the northwestern part of the subbasin, Reche Canyon in the southeastern part, and the Santa Ana River in the south-central part. Lesser amounts of recharge are provided by percolation of precipitation to the valley floor,

[1] *Hydrologic Region South Coast, Upper Santa Ana Valley Groundwater Basin, Rialto-Colton Subbasin*, Department of Water Resources Bulletin 118, February 27, 2004.

underflow, and irrigation and septic returns. The project is being developed on land that is currently covered by an asphalt surfaces or in uncovered soils. The FBR site and new pipeline within Etiwanda Avenue would be developed on areas currently covered by asphalt and would therefore result in no net change to impervious surfaces. New pipelines would be installed within the uncovered areas between Cactus Avenue and the FBR site. However, the pipelines will be covered and returned to existing conditions. Therefore, the project would not significantly affect the subbasin's ability to recharge groundwater and a less than significant impact associated with groundwater recharge is anticipated to occur.

Impacts associated with water supplies are discussed in Section 3.2.16 (Utilities and Service Systems) of this Initial Study. Because the withdrawal and treatment of water are a part of the proposed project, impacts associated with groundwater and groundwater recharge are considered less than significant.

c) Would the project 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-site or off-site?

Less Than Significant Impact. The proposed project would be constructed on property that is currently developed for use as roadway, groundwater production, or flood control facilities. The temporary discharge into the flood control basin will be through an arrangement with the Flood Control District, where any additional erosion control measures, such as riprap, at the discharge point into Cactus Basin will be defined. The FBR site is not located within or adjacent to a stream or river. The construction of the proposed project would not alter any stream or river and therefore would not contribute to erosion or siltation on or off site. Impacts associated with erosion from altering a stream or river are considered less than significant.

d) Would the project 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-site or off-site?

Less Than Significant Impact. Please refer to the Response to Checklist Response 3.2.8.c. Implementation of the proposed project would not significantly alter the existing drainage pattern of the project site. The project would use existing wells on site, newly constructed pipeline off site, and a newly constructed water treatment facility located near the District headquarters. The locations where the proposed project would take place have previously been disturbed and converted to impervious areas. The temporary discharge into the flood control basin will be regulated and permitted through general WDR permit number R8-2007-008. At the direction of the San Bernardino Flood Control District, the temporary discharge into Cactus Basin ~~will~~ <u>may</u> be limited to the dry season, defined as April 15 through October 15. <u>If temporary discharge is permitted to occur outside of the dry season, it would only be allowed after verification by a hydraulic evaluation overseen by the Flood Control District of any potential flooding effects related to wet season operations within the Basin.</u> The project would not alter the existing drainage patterns or a stream or river or substantially increase runoff resulting in flooding. Therefore, a less than significant impact would occur. No mitigation is required.

e) Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less Than Significant Impact. Development of the project site would not result in an increase in the amount of impervious surface. The wells that are proposed to be modified currently exist, pipelines to be extended will be placed beneath existing paved roadways, and the treatment facility to be built at the District headquarters will be built on a location that is currently paved. These changes to the existing conditions would not change or degrade existing water quality due to increased runoff volumes and velocity; reduced infiltration; increase flow frequency, duration, and peak; or faster time to reach peak flow because these areas are currently developed with impervious surfaces in the existing condition. Therefore, a less than significant impact would occur and no mitigation is required.

f) Would the project otherwise substantially degrade water quality?

Less Than Significant Impact. Please refer to Checklist Response 3.2.8.a. The proposed project is being developed to treat contaminated groundwater. Upon the completion of the project, the quality of the extracted groundwater would be improved. The treated water would then be released into flood control basins adjacent to the treatment plant during the first year of operation. The temporary discharge into the flood control basin will be regulated and permitted through general WDR permit number R8-2007-008. Since untreated water is pumped out and sent through the wellhead treatment system, the treated water being discharged into the flood control basin during this initial start up period would be of equal or better quality than the water that currently exists in the groundwater basin. Subsequent to the testing period, the treated groundwater would be sent to the drinking water system. During the construction of the project, grading and construction activities may allow eroded soils and other pollutants to enter drainage systems. As discussed, the project would be required to prepare an SWQMP that would identify BMPs to be implemented during the construction and operation of the project to reduce the potential for pollutants to leave the site. Compliance with the SWQMP as required by the City will ensure that water quality is not degraded. A less than significant impact would occur and no mitigation is required.

g) Would the project 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 hazards delineation?

No Impact. The project does not include a residential component; therefore, it will not place housing within a 100-year flood hazard area. Additionally the project is not within an area that is mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map. No impact related to this issue is anticipated to occur with the implementation of the proposed project.

h) Would the project place within a 100-year flood hazard area structures that would impede or redirect flood flows?

No Impact. Based on Flood Insurance Rate Maps for the area, the project site is not located within an area identified as a 100-year floodplain.[1] Because the proposed project is not located within an area identified as being subject to flood hazards, either by the City ~~of Rialto~~ or the Federal Emergency

[1] The term "100-year" is a measure of the size of the flood, not how often it occurs. The "100-year flood" is a flooding event that has a one percent chance of occurring in any given year.

Management Agency, the placement of structures within a flood hazard area would not occur and the development of buildings on the project site would not impede or redirect flood flows. Therefore, no impact related to this issue would occur with the implementation of the proposed project.

i) Would the project 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?

No Impact. The nearest dams to the project site are San Antonio and Seven Oaks Dams. San Antonio Dam is located approximately 17 miles west of the project site, while the Seven Oaks Dam is located approximately 16 miles northeast of the project site. In the remote event of dam failure at the either the San Antonio Dam or Seven Oaks Dam, the project site would not be exposed to flood risk or be within the dam inundation area for either dam.[1] Because the development of the project site would not result in the exposure of people or structures to risk of loss, injury, or death involving flooding as a result of failure of either of these dams, no impacts related to this issue would occur.

j) Would the project expose people or structures to inundation by seiche, tsunami, or mudflow?

No Impact. A tsunami is a series of waves generated in a body of water by a pulsating or abrupt disturbance that vertically displaces water. Inundation of the proposed project's site by a tsunami is highly unlikely as the project site is approximately 48 miles northeast of the Pacific Ocean. Seiches are oscillations in enclosed bodies of water that are caused by a number of factors, most often wind or seismic activity. There are no enclosed bodies of water within the vicinity of the project. The nearest water feature is the Lytle Creek Wash, an ephemeral watercourse located approximately three miles northeast of the project site. Because the proposed project site is not located adjacent to any enclosed bodies of water, no seiche-related flooding is anticipated to occur on site. For these reasons, no significant impact associated with this issue is anticipated to occur.

3.2.9 Land Use and Planning

a) Would the project physically divide an established community?

No Impact. The proposed project site is located within the City~~ of Rialto~~. Land adjacent to the proposed project site includes single-family residential uses to the east, west, and south. Areas to the north of the site are designated as Open Space currently used for flood control activities. While the site is located within an existing neighborhood, the project entails the construction of pipeline and a treatment system housed within a structure in the north-central portion of the site and would not introduce a conflicting land use nor would it introduce a barrier between existing or planned residential uses; therefore, no impact related to this issue will occur.

[1] Hazards Overlay Figure (Panel FH21B), San Bernardino County Official Land Use Plan, Draft General Plan Update Maps, October 2005.

b) Would the project 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?

No Impact. The proposed project is located within the City ~~of Rialto~~. The ~~City of~~ Rialto General Plan designates the majority of the project site (southerly portion) as Open Space–Flood Control, and the northerly portion as Public Use–Reservoirs/Wells Energy. The uses proposed under the project would not conflict with the City's existing underlying land use and zoning designations. The proposed treatment facility is a use permitted within the existing General Plan designation. Implementation of the project does not require any amendments to the General Plan or City's zoning designations. The area has been planned for infrastructure development; therefore, no significant impact related to this issue would occur.

c) Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?

No Impact. As there is no adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan applicable to the project, there will be no impact. The project site is not subject to any adopted habitat conservation plan or natural community conservation plan; therefore, no impact related to this issue would occur. No mitigation is required.

3.2.10 Mineral Resources

a) Would the project 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?

No Impact. Mineral resources present in the City ~~of Rialto~~ include deposits of sand and gravel construction aggregate. The State Geologist has mapped a total of eight resource sectors, which represent approximately 12 percent of the land within the City. However, the proposed project site is not located within any of the sectors identified as containing aggregate resources.[1] No mineral resource excavation has occurred within the project limits. As the project site is not identified by the City as containing mineral resources and because no such on-site activity has occurred in the past, no impact related to this issue would occur. No mitigation is required.

b) Would the project 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?

No Impact. The proposed project site is not classified as an area of locally important mineral resource recovery, nor has mineral extraction occurred within the project limits. No impact related to this issue will occur. No mitigation measures are required.

[1] *City of Rialto General Plan Update Final MEIR,* The Keith Companies, June 1992, Figure 4.4-1.

3.2.11 Noise

a) Would the project result in 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?

Less Than Significant Impact. Noise increases from the proposed project would be generated on a short-term and long-term basis. Short-term noise levels are associated with excavation, trenching, and building construction. Short-term noise levels would be higher than existing ambient noise levels in the project area, but would cease upon project completion. Long-term noise levels would be associated with stationary sources from the proposed treatment facility. The closest sensitive receptors to noise are existing medium-density single-family lots (3 to 6 dwelling units per acre) west of the proposed treatment facility, approximately 500 feet west of the project site and east of Cactus Avenue, which is approximately 600 feet east of the proposed treatment facility. The treatment facility would be housed within a building and sound would be blocked from reaching the adjacent sensitive receptors by on-site structures. To the east of the treatment facility, existing water tanks would shield the sensitive receptors to the east from noise produced on site and Building "C" located to the west of the treatment facility would shield adjacent sensitive receptors to the west from any noise produced by the treatment facility. Based on a noise analysis prepared for this project[1] (included as Appendix ~~B~~C to this Initial Study), noise levels from the proposed treatment plant would reach approximately 54 dBA CNEL at the residential area to the east and approximately 58 dBA CNEL at the residential area to the west. Residences adjacent to Well No. 6 would be exposed to noise levels reaching approximately 52 dBA CNEL and residences adjacent to Well No. 11 would be exposed to noise levels reaching approximately 48 dBA CNEL All noise levels would be ~~below~~ well within the City's 65 dBA CNEL exterior noise standards for residential uses. The combination of distance from the treatment facility, ~~and~~ the presence of existing structures on site, and positioning of project-related blowers within acoustical block enclosures to shield sensitive receptors from on-site noise sources would ensure that the adjacent residences are not exposed to noise levels that would exceed standards established by the City ~~of Rialto~~, resulting in a less than significant impact. No mitigation is required.

b) Would the project result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. During the construction phase of the project, tools and machinery may be used that would produce groundborne vibration in the immediate vicinity of the construction area. It is anticipated that trenchers, backhoes, large trucks, and cranes may be used during construction of the pipeline and treatment facilities. The nearest sensitive receptors to the project are approximately 500 feet away from the proposed treatment plant location. The equipment used for would use rubber tires rather than tracks, which would limit the amount of vibration generated from this equipment. Vibration generated by this equipment would be dissipated over the 500-foot distance between the equipment generating any vibration and the receptors in the area. During the operation phase of the project, vibration emanating from the treatment facility would be minimal to nonexistent. Due to the minimal amount of groundborne vibration generated by the construction and operation of the project and the distance from the vibration sources to the nearest receptor, impacts related to groundborne noise or vibration would be less than significant and no mitigation is required.

[1] *Rialto WVWD Water Treatment Plan Noise*, LSA Associates, Inc. July 1, 2009.

c) Would the project result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact. See Checklist Response to 3.2.11.a. The project will modify existing well pumps to operate at variable speeds to allow optimal flow control and blending. These wells are currently in place and have been in use in the past at the same capacity that is planned as a part of the project. Nonetheless, estimated noise levels at the residences adjacent to Wells No. 6 and 11 are within the City's 65 dBA CNEL standard for residential uses. The project also includes the construction of treatment systems that will remove contaminants from the extracted groundwater. These treatment systems will be placed at the District headquarters site located at the corner of Baseline Road and Cactus Avenue. All noise-sensitive receptors are located over 500 feet away from the perimeter of the treatment plant and as discussed in response 3.2.11.a, the combination of distance from the treatment facility, the presence of structures on site, and positioning of project-related blowers within acoustical block enclosures would shield the adjacent sensitive receptors from any noise generated by the treatment facility resulting in noise levels that are well within the City's 65 dBA CNEL standard for residential uses. Therefore, any noise generated by the treatment facility would not create a perceptible permanent increase in ambient noise levels at the nearest sensitive receptor.

d) Would the project result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact. Temporary increases in ambient noise levels will occur during the construction of the proposed project. Construction equipment used may include backhoes, graders, trenchers, cranes, paving equipment, and various trucks. The noisiest construction equipment is earthmoving equipment, such as backhoes, bulldozers, compactors, scrapers, and graders. Construction activities would be required to conform to Municipal Code Section 9.50.070 to ensure that impacts related to construction would only occur during the days and times of the least impact to adjacent sensitive receptors. Compliance with the Municipal Code would ensure that impacts related to construction noise are less than significant.

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?

No Impact. The Rialto Municipal Airport is located approximately 1 mile northwest of the proposed project site. While airport operations may ultimately be discontinued at the airport (as demonstrated by the City's adoption of Resolution No. 5285 [December 6, 2005]), airport operations currently take place at the facility. The proposed project is located outside of the 60 CNEL noise contour depicted in the Rialto Municipal Airport Comprehensive Land Use Plan (RMACLUP).[1] Additionally, the project does not contain any sensitive noise receptors. Because the proposed on-site use is not considered a sensitive noise receptor and the project is outside of the 60 CNEL noise contour for the Rialto Airport, no impact would occur.

[1] Rialto Municipal Airport Final Comprehensive Land Use Plan, San Bernardino Airport Land Use Commission, January 1991.

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?

No Impact. The proposed project site is not located within the vicinity of a private airstrip; therefore, no impact associated with this issue will occur

3.2.12 Population and Housing

a) Would the project induce substantial population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)?

Less Than Significant Impact. The California Department of Finance (DOF) estimates the City's population at 99,767 persons.[1] As detailed in Table D, Southern California Association of Governments (SCAG) projections estimate the population of the City, the County of San Bernardino, and Southern California will continue to grow. The SCAG projects the City's population will grow to 99,936 persons by the year 2010 and 111,128 persons by the year 2030.

Table D: Local and Regional Population, Housing, and Employment Projections

	2010	2015	2020	2025	2030
Population					
City of Rialto	99,936	102,851	105,727	108,486	111,128
San Bernardino County	2,059,420	2,229,700	2,397,709	2,558,729	2,713,149
Southern California*	19,208,661	20,191,117	21,137,519	22,035,416	22,890,797
Housing					
City of Rialto	26,059	27,659	29,339	31,042	32,805
SANBAG	618,782	686,584	756,640	826,669	897,739
SCAG	6,072,578	6,463,402	6,865,355	7,263,519	7,660,107
Employment					
City of Rialto	29,725	32,769	35,866	38,988	42,141
SANBAG	770,877	870,491	972,243	1,074,861	1,178,890
SCAG	8,729,192	9,198,618	9,659,847	10,100,776	10,527,202

*Includes Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties.
Source: *Regional Transportation Plan Growth Forecast,* Southern California Association of Governments, adopted April 1, 2004.

The proposed project site would result in the construction and operation of a water treatment facility housed in one building totaling approximately 11,178~~18,645~~ square feet, and the installation of pipes for transmission of water from the wells to the treatment facility. The extent to which new jobs created by a project are filled by existing residents is a factor that tends to reduce the growth inducing effect of a project in areas such as Rialto that are considered to be "jobs poor." The construction of the proposed project will create short-term construction jobs. These short-term positions are anticipated to be filled by workers who, for the most part, reside in the project area; therefore,

[1] *Department of Finance, E-5 Population and Housing Estimates for Cities, Counties and the State, 2001–2008, with 2000 Benchmark.* State of California, Sacramento, California, May 2008.

construction of the proposed project will not generate a permanent increase in population within the project area. Based on preliminary project information, the proposed project is not expected to generate new jobs as the equipment will be automated or controlled remotely; therefore, the project will not induce population growth. The project will not directly affect population growth as compared with new residential development, because it is not creating homes. Infrastructure including roads, sewers, water, and electricity already exists around the project site. These impacts are considered less than significant and no mitigation is required.

b) Would the project displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed project site consists of vacant land and roadways and is located within an area zoned for industrial use. As no residential structures are located within the project limits, no displacement of housing or residents will occur. Construction of replacement housing is not required. No impact associated with this issue will occur and no mitigation is required.

c) Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. Please refer to the Response to Checklist Question 3.2.12.b. No impact would occur and no mitigation is required.

3.2.13 Public Services

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

a) Fire Protection?

Less Than Significant Impact. The proposed project is located within the City ~~of Rialto~~. Fire protection services within the City are provided by the City of Rialto Fire Department, which maintains a mutual aid agreement with the City of Colton and the Central Valley Fire District. The Fire Department provides fire prevention, fire protection, and emergency medical assistance (EMA) services in the City. The proposed project would result in the installation of approximately 690 linear feet of pipeline along existing roadway right-of-way to connect Rialto No. 6 well pipeline to existing District water pipeline on Etiwanda Avenue. The proposed project would also result in the construction of a wellhead treatment system within the District Headquarters on the existing maintenance yard.

The development of the proposed project is not anticipated to result in an incremental demand on fire protection services as the proposed project consists of the installation of pipeline and a water treatment system. The proposed project will be designed and constructed per applicable fire prevention/protection standards, including provision of minimum water supply and pressure to meet fire flow requirements. The project will include potentially hazardous chemicals. The administrative requirements, permits, inspections, and enforcement activities associated with the District's use of the

potentially hazardous chemicals will be regulated through an update to its Business Plan, which will be submitted for review and approval by the San Bernardino County Fire Department as part of **Mitigation Measure HAZ-01**. In addition, the FBR site will be equipped with on-site fire extinguishers the number and location of which will be determined by the San Bernardino County Fire Department. The proposed project does not include a commercial, industrial, or residential development that would require fire protection services during its operation. Since the installation and operation of the proposed project would not cause fire staffing, facilities, or equipment to operate at a deficient level of service, impacts associated with fire protection services are less than significant. No mitigation is required.

b) Police Protection?

Less Than Significant Impact. Police protection services to the City are provided by the City of Rialto Police Department. The proposed project consists of the installation of a water pipeline along an existing roadway and the construction of a water treatment system within the District Headquarters on the existing maintenance yard. Therefore, the proposed project does not include any commercial, industrial, or residential development that would require police protection services during the project's operation. Since the installation and operation of the proposed project would not cause police staffing, facilities, or equipment to operate at a deficient level of service, impacts associated with police services and facilities are less than significant and no mitigation is required.

c) Schools?

No Impact. The proposed project consists of the installation of a water pipeline within an existing roadway and the construction of a water treatment system within an existing maintenance yard of District. Although the proposed project alignment is within the boundaries of the Rialto Unified School District (RUSD), the proposed project does not include development of uses that would lead to an increase in the number of students at local schools. Therefore, no impact on school services and facilities would occur. No mitigation is required.

d) Parks?

No Impact. The proposed project does not include a residential component and would not contribute to a direct increase in population. As there is no direct increase in population resulting from the proposed project, no new significant demand on existing park facilities would occur. Since the proposed project does not include the development of uses that would result in an additional demand on park facilities and services, no impacts associated with this issue would occur. No mitigation is required.

e) Other Public Facilities?

No Impact. The proposed project would not increase the local population and would not increase the demand for other public services such as library services or medical facilities within the City ~~of Rialto~~. Therefore, maintenance of public facilities and infrastructure would not be altered by the development of the proposed project. Aside from the proposed project itself, the proposed project will not add any significant new public facilities that will require maintenance. Since the implementation of the proposed project would not increase the need for additional public services such as library services and medical services, no impacts associated with this issue would occur. No mitigation is required.

3.2.14 Recreation

a) Would the project increase the use of existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. The proposed project includes modifications to existing wells within the City ~~of Rialto~~ that are used to extract groundwater, the construction of a pipeline to transport the extracted water, and a series of treatment systems that will remove contaminants from the extracted water. The project does not involve residential or commercial development that would result in an increase in population that would utilize recreational facilities. Therefore, no impact related to this issue would occur.

b) Would the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical affect on the environment?

No Impact. The proposed project does not include recreational amenities or parkland. Because the proposed project does not include the construction of any housing, there will be no direct increase in population associated with the proposed project and, therefore, the proposed project will not require the construction or expansion of recreational facilities in the area. No impacts associated with this issue are anticipated.

3.2.15 Transportation and Traffic

a) Would the project cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?

Less Than Significant Impact With Mitigation Incorporated. Upon the completion of the project, no change in roadway conditions would occur. Because the project does not include any trip-generating land uses, there would not be an increase in vehicle trips or exceedances in level of service standards.

During construction, the proposed project would require temporary closure of portions of the roadway along the proposed waterline alignment. Any partial closure of the roadways would contribute to a reduced level of service and congestion. To reduce impacts to traffic flow and congestion during construction, the following mitigation measure would be required.

TRAF-01 A detailed Traffic Management Plan (TMP) shall be prepared by a registered Civil Engineer and approved by the Public Works Department prior to construction of the proposed waterline. The TMP will delineate all lane closures, provisions to maintain access to adjacent residential properties at all times, prior notices, adequate sign-postings, detours, provisions for pedestrians along the trails and bicycle transportation, and permitted hours of construction activity. Proper detours and warning signs shall be established along all adjacent roadways and the existing sidewalks or trails to ensure public safety. The TMP shall be reviewed and approved by City Police and Fire Departments so that construction shall not interfere with any emergency response or evacuation plans. Construction activities shall proceed in a timely manner in an effort to reduce the duration and level of impacts.

Adherence to the identified mitigation measure will reduce impacts to a less than significant level.

b) Would the project exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?

Less Than Significant Impact With Mitigation Incorporated. Please refer Checklist Response 3.2.15.a. With adherence to **Mitigation Measure TRAF-01**, impacts would be reduced to a less than significant level.

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?

Less Than Significant Impact. The project site is located approximately 1.0 mile southeast of the Rialto Municipal Airport (RMA) and is located within the Rialto Municipal Airport Comprehensive Land Use Plan (RMACLUP).[1] However, the City is in the process of master planning "Renaissance Rialto," a 1,500-acre master planned community. Implementation of Renaissance Rialto would require the closure of the RMA as soon as possible after all qualified airport tenants have been relocated pursuant to the City's approved Relocation Plan.[2] Once the closure of RMA occurs, the project site would no longer be within an airport land use plan. However, airport operations currently still take place at RMA.

The proposed project consists of the installation of a water pipeline within an existing roadway and the construction of a treatment facility on a developed maintenance yard. Therefore, the proposed project would not result in a safety hazard for those working in the project area as the project would not interfere with the existing RMACLUP. Therefore, impacts to people working in the proposed project area with regard to the RMA would be less than significant. No mitigation is required.

d) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. No permanent changes to the design of Etiwanda Avenue will occur and all current sight distance and traffic control measures will remain in place following completion of construction. Therefore, no increase in hazards due to a design feature would occur. No mitigation would be required.

e) Would the project result in inadequate emergency access?

Less Than Significant With Mitigation Incorporated. Project construction within Etiwanda Avenue will not restrict emergency vehicle access or compromise the use of the road for emergency purposes. Construction of the project may temporarily restrict vehicular traffic, requiring implementation of adequate and appropriate measures to facilitate the passage of persons and vehicles through/around any required road closures. The proposed project design would be submitted to and approved by the City's Fire, Police, and Engineering Departments prior to the issuance of construction permits. Adherence to the emergency access measures required by the City would result in a less than

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1 *Hazard Overlays, San Bernardino County Land Use Plan General Plan*, http://www.co.sanbernardino.ca.us/landuseservices/General%20Plan%20Update/Mapping/2-Hazard%20Overlays%20Maps/FH29B.pdf, website accessed April 9, 2009.

2 *Draft Airport Closure Plan for Rialto Municipal Airport*, Mead & Hunt, Inc., April 3, 2007.

significant impact related to this issue. To ensure that emergency access and through traffic will be accommodated throughout the duration of the project's construction, a TMP will be prepared for the project. Implementation of **Mitigation Measure TRAF-01** requiring the preparation of a TMP will reduce impacts associated with this issue to a less than significant level.

f) Would the project result in inadequate parking capacity?

Less Than Significant Impact. During temporary lane closures on Etiwanda Avenue, while the project is under construction, a loss of on-street parking would occur during the City's permitted construction hours. The loss would be temporary and minor, only occurring in the areas adjacent to the construction occurring that day. In addition, replacement on-street parking is available along the surrounding roadways. Therefore, less than significant impacts related to this issue would occur and no mitigation is required.

g) Would the project conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?

No Impact. Implementation of the proposed project would not result in any permanent modifications to roadways and will not have any long-term effect upon existing roadway usage by bicycles, buses, or other alternative transportation vehicles. During construction hours, lane closures that could possibly include bike lanes and sidewalks may occur. Typically, any closure of a sidewalk or a bike lane associated with the construction of the project would occur during the stated hours of construction and only for the portion of the waterline being constructed for that particular day. Therefore, no impact associated with this issue would occur.

3.2.16 Utilities and Service Systems

a) Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Less Than Significant Impact. The installation and operation of the proposed pipelines will not result in the generation of wastewater that will require treatment; therefore, no wastewater treatment requirements would be exceeded. For the proposed wellhead treatment plant, it is anticipated that biosolids mixture captured through the filtration process would be collected for discharge to the City's POTW, another POTW, or collected, stored, transported, and disposed of at a landfill. If it is determined that the proposed project biosolids mixture will not be routed to the City's sanitary sewer or transported to another POTW for disposal, the proposed project would not exceed wastewater treatment requirements. Under this scenario, no impacts would occur associated with exceeding wastewater treatment requirements and no mitigation would be required. For this reason, impacts associated with discharge of the biosolds mixture to the City's POTW or transport to another POTW are both analyzed as follows.

Total dissolved solids (TDS) and other factors may limit the ability of a POTW to accept biosolid mixtures because they could contribute toward an increase in TDS levels to unacceptable levels. On the other hand, treatment of sewage is carried out by the organic matter contained within biosolids. The biosolids produced at the proposed project will contain beneficial organic matter that could have a positive effect on the City's POTW. Similarly, the beneficial organic matter could positively affect another POTW. If it is determined that the biosolids mixture can be discharged into the City's POTW,

there will be a less than significant impact in terms of meeting wastewater treatment requirements because the biosolids mixture will beneficially impact TDS levels and will be subject to the City's industrial sewer permit conditions. Similarly, impacts to the treatment requirements at another POTW would be less than significant for the same reason. Impacts are considered to be less than significant and no mitigation would be required.

b) Would the project 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?

No Impact. The proposed project is the construction of a new water treatment facility. The purpose of the proposed project is treat perchlorate contaminated groundwater coming from Rialto Well No 6 and District Well No. 11 through the use of a biological treatment process. The proposed project would allow Rialto Well No. 6 and District Well No. 11 to be brought back to potable water service by removing perchlorate and nitrate with a biological process. The restoration of these two wells would recover lost groundwater extraction capacity and contaminant removal from the Rialto-Colton Basin. This Initial Study identified impacts associated with the construction and operation of the wellhead treatment system. Based on the analysis contained in this Initial Study, the construction and operation of the proposed wellhead treatment system would not cause significant environmental impacts. The proposed project would not create wastewater that would be treated by a wastewater treatment facility. Therefore, no impacts associated with this issue would occur. No mitigation measures are required.

c) Would the project require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

No Impact. Storm drainage systems currently exist in the project vicinity. The construction of the proposed project would not require construction of new storm drains or generate additional stormwater runoff. The project will not result in the alteration of existing storm drains. Since the project will not result in the construction, expansion, or alteration of existing storm drains, no impact would occur and no mitigation is required.

d) Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

No Impact. The proposed project would treat groundwater produced by Rialto Well No. 6 and District Well No. 11. The treatment of groundwater from these wells would help stabilize groundwater extraction capacity within the area. The purpose of the proposed project is to treat water to ensure that there are sufficient water supplies available to District and the City to serve existing and future water demand in the area, ultimately resulting in a beneficial use. Therefore, no impacts associated with this issue would occur and no mitigation measures are required.

e) Would the project 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?

Less Than Significant Impact. The proposed project would generate a solids mixture consisting of water and biosolids/organic materials captured by the filter. Preliminary calculations indicate that the

biosolids mixture generated by the filtration process would be approximately 0.3 gpm or 430 gallons/day. Disposal of the biosolids mixture will be handled in one of three ways: discharge into the City of Rialto's municipal sewer system, collected for transport to another POTW, or collected for transport to a landfill. There would be no impacts associated with the ability of any wastewater provider to accept wastewater discharges should the biosolds mixture be transported to a landfill. For this reason, impacts associated with discharge of the biosolds mixture to the City POTW or transport to another POTW are both analyzed as follows.

The City or another POTW would have the capacity to accept and treat 430 gallons per day of biosolids mixture. There are other factors, such as total dissolved solids (TDS), that limit the ability of a POTW to accept biosolid mixtures because they could contribute toward an increase in TDS levels to unacceptable levels. On the other hand, treatment of sewage is carried out by the organic matter contained within biosolids. The biosolids produced at the proposed project will contain beneficial organic matter that could have a positive effect on the City's POTW. Similarly, the beneficial organic matter could positively affect another POTW. With discharge of the biosolids mixture to either the City's or another POTW, impacts to the treatment capacity would be less than significant and no mitigation would be required.

f) Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less Than Significant Impact. As discussed previously, operation of the proposed wellhead treatment plant will generate a biosolids mixture captured through the filtration process. The biosolids will be discharged to the City's POTW, another POTW (once collected and transported), or collected, stored, transported, and disposed of at a landfill. If it is determined that the proposed project biosolids mixture will not be routed to the City's sanitary sewer or transported to another POTW for disposal, the proposed project would produce solid waste impacts.

Solid waste collection is a "demand-responsive" service and current service levels can be expanded and funded through user fees without difficulty. Under the scenario in which the proposed project's biosolids would be disposed of at a landfill, approximately 3,600 pounds of solid waste would be generated per day (1.8 tons) or 657 tons/year. Solid waste from the proposed project would be hauled by EDCO Disposal[1] and transferred to the Mid-Valley Landfill, located in the City ~~of Rialto~~. The Mid-Valley Landfill has a daily permitted throughput of 7,500 tons per day, a remaining capacity of 35,270,000 cubic yards, and an estimated closure date of 2033.[2] Current average daily throughput is estimated at 2,790 tons/day.[3] Current surplus capacity totals 4,710 tons/day.

The volume of solid waste generated by the proposed project per day represents 0.02 percent of the current permitted throughput and 0.04 percent of the current surplus capacity at the Mid-Valley landfill. As adequate daily surplus capacity exists at the receiving landfill, development of the proposed project under the scenario in which the biosolids are not discharged at a POTW would not

1 Trash service in the City of Rialto is mandatory and EDCO Disposal is the only solid waste service provider approved by the City Council with an exclusive franchise.

2 Mid-Valley Sanitary Landfill Facility/Site Summary Details, http://www.ciwmb.ca.gov/Profiles/Facility/Landfill/LFProfile1.asp?COID=1&FACID=36-AA-0055, site accessed on April 14, 2009.

3 Communication with Patrick Egle, Planner, San Bernardino County Solid Waste Division, April 15, 2009.

significantly affect current operations or the expected lifetime of the landfill serving the project area. A less than significant solid waste disposal impact would occur. No mitigation measures are required.

g) Would the project comply with federal, state, and local statutes and regulations related to solid waste?

Less Than Significant Impact. The proposed project will be required to comply with applicable elements of AB 1327, Chapter 18 (California Solid Waste Reuse and Recycling Access Act of 1991) and other applicable local, state, and federal solid waste disposal standards, thereby ensuring that the impacts associated with the solid waste stream to the Mid-Valley Landfill are reduced in accordance with existing regulations. Therefore, impacts associated with this issue are considered less than significant. No mitigation measures are required.

3.2.17 Mandatory Findings of Significance

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant Impact. The area where installation of the water pipeline would occur would be within an existing roadway; therefore, there would be no suitable habitat that would be affected by the installation of the water pipeline. The existing maintenance yard consists of paved surfaces, gravel, and dirt areas and does not support suitable habitat for sensitive or special status species. In addition, the project site is not located within any USFWS designated critical habitat. The project site is located in a heavily urbanized area and is not located near any identified wildlife movement corridor or nursery site. The project site itself consists of an existing roadway and developed maintenance yard and is not a wildlife movement corridor or nursery site. Because of existing habitat fragmentation and the project site's isolation from undisturbed natural areas, the project site does not serve as wildlife movement corridor or nursery site. Development of the proposed project would not impede regional wildlife movement.

As previously stated, the project will take place on an existing maintenance/storage yard and within an existing roadway. According to the *City of Rialto General Plan Update Final Master Environmental Impact Report, Figure 4.13-1*,[1] the proposed project site is not located in an area considered high in sensitivity for historical resources, nor is it located in an eligible historic district. A less than significant impact would occur in relation to this issue.

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

Less Than Significant Impact. As discussed previously, no significant short-term construction-related impacts would occur during construction of the treatment plant or pipeline. All impact areas discussed

[1] *City of Rialto General Plan Update Final Master Environmental Impact Report*, The Keith Companies, March 1992.

in the Initial Study are considered less than significant with the exception of hazards and traffic. Impacts related to hazards and traffic are reduced to a less than significant level through the implementation of mitigation measures or adherence to established City, state, and federally mandated design and construction standards. The proposed project would not result in the development or operation of uses that would generate new population or uses that would generate long-term noise, air, traffic, utility, or public service impacts. In addition, there are no other projects that, in conjunction with the proposed project, would result in a cumulatively significant impact over and above those previously identified in this Initial Study. Due to the limited footprint of the project, the temporary nature of the mitigated impacts, the absence of long-term impacts, and the lack of any other project that together with the proposed project would result in a cumulatively significant impact, no cumulative significant impact would result with implementation of the proposed project.

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

Less Than Significant Impact. The proposed project will extract and treat groundwater for human consumption and would not cause substantial adverse effects on human beings, either directly or indirectly. The Initial Study does not identify any significant impact related to air quality, noise, geologic hazards, hazardous materials, noise, traffic, and flooding. Proposed mitigation measures and typical project construction methods would further reduce project impacts associated with construction of the project to less than significant levels.

4.0 LIST OF PREPARERS, REFERENCES, AND PERSONS AND ORGANIZATIONS CONTACTED

4.1 LIST OF PREPARERS

This document was prepared under the direct management of the West Valley Water District as Lead Agency for the proposed project, and reflects the independent judgment and position of the District regarding the environmental consequences of the proposed project. The Lead Agency was assisted by the following outside consultant:

LSA Associates, Inc. (LSA)
Environmental/Planning Consultants

Lynn Calvert-Hayes, Principal
Ray Hussey, Associate
Sean Reilly, Planner
Kelly Czechowski, Environmental Planner
David Atwater, Environmental Planner
Margaret Gooding, GIS/Graphics Specialist
Steven Dong, Editor
Nancy Hasegawa, Word Processor
Sheryl Woodard, Production

4.2 REFERENCES

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4.3 PEOPLE CONTACTED

Patrick Egle, Planner, San Bernardino County Solid Waste Division, April 15, 2009.

APPENDIX A

AIR QUALITY EMISSION CALCULATIONS
(Contained on enclosed CD-ROM)

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\datwater\Application Data\Urbemis\Version9a\Projects\West Valley WD.urb924

Project Name: West Valley WD

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2009 TOTALS (lbs/day unmitigated)	3.22	26.52	14.10	0.00	10.01	1.34	11.34	2.09	1.23	3.32	2,371.75
2009 TOTALS (lbs/day mitigated)	3.22	26.52	14.10	0.00	1.10	1.34	2.44	0.23	1.23	1.46	2,371.75
2010 TOTALS (lbs/day unmitigated)	23.69	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
2010 TOTALS (lbs/day mitigated)	21.32	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.13	0.14	0.12	0.00	0.00	0.00	168.00
TOTALS (lbs/day, mitigated)	0.12	0.14	0.12	0.00	0.00	0.00	168.00
Percent Reduction	7.69	0.00	0.00	#######	############	############	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.26	0.17	1.49	0.00	0.25	0.05	151.04

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

ROG	NOx	CO	SO2	PM10	PM2.5	CO2

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TOTALS (lbs/day, unmitigated)	0.39	0.31	1.61	0.00	0.25	0.05	319.04

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 4/24/2009-5/20/2009 Active Days: 19	3.22	**26.52**	**14.10**	0.00	**10.01**	**1.34**	**11.34**	**2.09**	**1.23**	**3.32**	**2,371.75**
Mass Grading 04/24/2009-05/20/2009	3.22	26.52	14.10	0.00	10.01	1.34	11.34	2.09	1.23	3.32	2,371.75
Mass Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09	0.00
Mass Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 5/25/2009-6/1/2009 Active Days: 6	3.22	**26.52**	**14.10**	0.00	**10.01**	**1.34**	**11.34**	**2.09**	**1.23**	**3.32**	**2,371.75**
Fine Grading 05/23/2009-06/01/2009	3.22	26.52	14.10	0.00	10.01	1.34	11.34	2.09	1.23	3.32	2,371.75
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09	0.00
Fine Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 6/4/2009-8/14/2009 Active Days: 52	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching 06/04/2009-08/15/2009	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching Off Road Diesel	2.18	18.90	8.32	0.00	0.00	0.93	0.93	0.00	0.86	0.86	1,714.64
Trenching Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 8/18/2009-8/28/2009 Active Days: 9	2.17	12.75	9.05	**0.00**	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Asphalt 08/18/2009-08/28/2009	2.17	12.75	9.05	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.08	12.55	7.05	0.00	0.00	1.09	1.09	0.00	1.00	1.00	979.23
Paving On Road Diesel	0.01	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14

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Paving Worker Trips	0.06	0.12	1.97	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.75
Time Slice 9/1/2009-12/31/2009 Active Days: 88	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building 09/01/2009-01/24/2010	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.02	0.25	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.05	0.09	1.51	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.23
Time Slice 1/1/2010-1/22/2010 Active Days: 16	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building 09/01/2009-01/24/2010	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building Off Road Diesel	1.21	9.16	4.81	0.00	0.00	0.58	0.58	0.00	0.53	0.53	893.39
Building Vendor Trips	0.02	0.23	0.19	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.04	0.08	1.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.19
Time Slice 1/27/2010-2/22/2010 Active Days: 19	**23.69**	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Coating 01/27/2010-02/22/2010	23.69	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Architectural Coating	23.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37

Phase Assumptions

Phase: Fine Grading 5/23/2009 - 6/1/2009 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 1

Maximum Daily Acreage Disturbed: 1

Fugitive Dust Level of Detail: Default

10 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 4/24/2009 - 5/20/2009 - Default Mass Site Grading/Excavation Description

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Total Acres Disturbed: 1

Maximum Daily Acreage Disturbed: 1

Fugitive Dust Level of Detail: Default

10 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 6/4/2009 - 8/15/2009 - Default Trenching Description

Off-Road Equipment:

2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 8/18/2009 - 8/28/2009 - Default Paving Description

Acres to be Paved: 0.06

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 9/1/2009 - 1/24/2010 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/27/2010 - 2/22/2010 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

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Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 4/24/2009-5/20/2009 Active Days: 19	3.22	**26.52**	**14.10**	0.00	1.10	**1.34**	2.44	0.23	**1.23**	1.46	**2,371.75**
Mass Grading 04/24/2009-05/20/2009	3.22	26.52	14.10	0.00	1.10	1.34	2.44	0.23	1.23	1.46	2,371.75
Mass Grading Dust	0.00	0.00	0.00	0.00	1.10	0.00	1.10	0.23	0.00	0.23	0.00
Mass Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 5/25/2009-6/1/2009 Active Days: 6	3.22	**26.52**	**14.10**	0.00	1.10	**1.34**	2.44	0.23	**1.23**	1.46	**2,371.75**
Fine Grading 05/23/2009-06/01/2009	3.22	26.52	14.10	0.00	1.10	1.34	2.44	0.23	1.23	1.46	2,371.75
Fine Grading Dust	0.00	0.00	0.00	0.00	1.10	0.00	1.10	0.23	0.00	0.23	0.00
Fine Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 6/4/2009-8/14/2009 Active Days: 52	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching 06/04/2009-08/15/2009	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching Off Road Diesel	2.18	18.90	8.32	0.00	0.00	0.93	0.93	0.00	0.86	0.86	1,714.64
Trenching Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 8/18/2009-8/28/2009 Active Days: 9	2.17	12.75	9.05	**0.00**	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Asphalt 08/18/2009-08/28/2009	2.17	12.75	9.05	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Paving Off Road Diesel	2.08	12.55	7.05	0.00	0.00	1.09	1.09	0.00	1.00	1.00	979.23
Paving On Road Diesel	0.01	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14
Paving Worker Trips	0.06	0.12	1.97	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.75
Time Slice 9/1/2009-12/31/2009 Active Days: 88	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building 09/01/2009-01/24/2010	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.02	0.25	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.05	0.09	1.51	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.23
Time Slice 1/1/2010-1/22/2010 Active Days: 16	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building 09/01/2009-01/24/2010	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building Off Road Diesel	1.21	9.16	4.81	0.00	0.00	0.58	0.58	0.00	0.53	0.53	893.39
Building Vendor Trips	0.02	0.23	0.19	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.04	0.08	1.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.19
Time Slice 1/27/2010-2/22/2010 Active Days: 19	21.32	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Coating 01/27/2010-02/22/2010	21.32	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Architectural Coating	21.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 5/23/2009 - 6/1/2009 - Default Fine Site Grading/Excavation Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Mass Grading 4/24/2009 - 5/20/2009 - Default Mass Site Grading/Excavation Description

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For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Architectural Coating 1/27/2010 - 2/22/2010 - Default Architectural Coating Description

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.14	0.12	0.00	0.00	0.00	168.00
Hearth							
Landscape							
Consumer Products							
Architectural Coatings	0.12						
TOTALS (lbs/day, unmitigated)	0.13	0.14	0.12	0.00	0.00	0.00	168.00

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Mitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.14	0.12	0.00	0.00	0.00	168.00
Hearth							
Landscape							
Consumer Products							

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Architectural Coatings	0.11						
TOTALS (lbs/day, mitigated)	0.12	0.14	0.12	0.00	0.00	0.00	168.00

Area Source Mitigation Measures Selected

Mitigation Description	Percent Reduction
Industrial Increase Energy Efficiency Beyond Title 24	20.00
For Nonresidential Interior Use Low VOC Coating	10.00
For Nonresidential Exterior Use Low VOC Coating	10.00

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Utilities	0.26	0.17	1.49	0.00	0.25	0.05	151.04
TOTALS (lbs/day, unmitigated)	0.26	0.17	1.49	0.00	0.25	0.05	151.04

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 80 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Utilities		0.78	1000 sq ft	21.00	16.38	146.98
					16.38	146.98

Vehicle Fleet Mix

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Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Utilities				2.0	1.0	97.0

Operational Changes to Defaults

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\datwater\Application Data\Urbemis\Version9a\Projects\West Valley WD.urb924

Project Name: West Valley WD

Project Location: South Coast AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2009 TOTALS (lbs/day unmitigated)	3.22	26.52	14.10	0.00	10.01	1.34	11.34	2.09	1.23	3.32	2,371.75
2009 TOTALS (lbs/day mitigated)	3.22	26.52	14.10	0.00	1.10	1.34	2.44	0.23	1.23	1.46	2,371.75
2010 TOTALS (lbs/day unmitigated)	23.69	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
2010 TOTALS (lbs/day mitigated)	21.32	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.13	0.14	0.12	0.00	0.00	0.00	168.00
TOTALS (lbs/day, mitigated)	0.12	0.14	0.12	0.00	0.00	0.00	168.00
Percent Reduction	7.69	0.00	0.00	#######	############	############	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	0.20	0.20	1.44	0.00	0.25	0.05	136.77

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

ROG	NOx	CO	SO2	PM10	PM2.5	CO2

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TOTALS (lbs/day, unmitigated)	0.33	0.34	1.56	0.00	0.25	0.05	304.77

Both Area and Operational Mitigation must be turned on to get a combined mitigated total.

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 4/24/2009-5/20/2009 Active Days: 19	3.22	**26.52**	**14.10**	0.00	**10.01**	**1.34**	**11.34**	**2.09**	**1.23**	**3.32**	**2,371.75**
Mass Grading 04/24/2009-05/20/2009	3.22	26.52	14.10	0.00	10.01	1.34	11.34	2.09	1.23	3.32	2,371.75
Mass Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09	0.00
Mass Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 5/25/2009-6/1/2009 Active Days: 6	3.22	**26.52**	**14.10**	0.00	**10.01**	**1.34**	**11.34**	**2.09**	**1.23**	**3.32**	**2,371.75**
Fine Grading 05/23/2009-06/01/2009	3.22	26.52	14.10	0.00	10.01	1.34	11.34	2.09	1.23	3.32	2,371.75
Fine Grading Dust	0.00	0.00	0.00	0.00	10.00	0.00	10.00	2.09	0.00	2.09	0.00
Fine Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 6/4/2009-8/14/2009 Active Days: 52	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching 06/04/2009-08/15/2009	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching Off Road Diesel	2.18	18.90	8.32	0.00	0.00	0.93	0.93	0.00	0.86	0.86	1,714.64
Trenching Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 8/18/2009-8/28/2009 Active Days: 9	2.17	12.75	9.05	**0.00**	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Asphalt 08/18/2009-08/28/2009	2.17	12.75	9.05	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.08	12.55	7.05	0.00	0.00	1.09	1.09	0.00	1.00	1.00	979.23
Paving On Road Diesel	0.01	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14

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Paving Worker Trips	0.06	0.12	1.97	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.75
Time Slice 9/1/2009-12/31/2009 Active Days: 88	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building 09/01/2009-01/24/2010	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.02	0.25	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.05	0.09	1.51	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.23
Time Slice 1/1/2010-1/22/2010 Active Days: 16	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building 09/01/2009-01/24/2010	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building Off Road Diesel	1.21	9.16	4.81	0.00	0.00	0.58	0.58	0.00	0.53	0.53	893.39
Building Vendor Trips	0.02	0.23	0.19	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.04	0.08	1.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.19
Time Slice 1/27/2010-2/22/2010 Active Days: 19	**23.69**	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Coating 01/27/2010-02/22/2010	23.69	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Architectural Coating	23.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37

Phase Assumptions

Phase: Fine Grading 5/23/2009 - 6/1/2009 - Default Fine Site Grading/Excavation Description

Total Acres Disturbed: 1

Maximum Daily Acreage Disturbed: 1

Fugitive Dust Level of Detail: Default

10 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Mass Grading 4/24/2009 - 5/20/2009 - Default Mass Site Grading/Excavation Description

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Total Acres Disturbed: 1

Maximum Daily Acreage Disturbed: 1

Fugitive Dust Level of Detail: Default

10 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 6/4/2009 - 8/15/2009 - Default Trenching Description

Off-Road Equipment:

2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 0 hours per day

Phase: Paving 8/18/2009 - 8/28/2009 - Default Paving Description

Acres to be Paved: 0.06

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 9/1/2009 - 1/24/2010 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 1/27/2010 - 2/22/2010 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

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Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Construction Mitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Mitigated

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 4/24/2009-5/20/2009 Active Days: 19	3.22	**26.52**	**14.10**	0.00	1.10	**1.34**	2.44	0.23	**1.23**	1.46	**2,371.75**
Mass Grading 04/24/2009-05/20/2009	3.22	26.52	14.10	0.00	1.10	1.34	2.44	0.23	1.23	1.46	2,371.75
Mass Grading Dust	0.00	0.00	0.00	0.00	1.10	0.00	1.10	0.23	0.00	0.23	0.00
Mass Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 5/25/2009-6/1/2009 Active Days: 6	3.22	**26.52**	**14.10**	0.00	1.10	**1.34**	2.44	0.23	**1.23**	1.46	**2,371.75**
Fine Grading 05/23/2009-06/01/2009	3.22	26.52	14.10	0.00	1.10	1.34	2.44	0.23	1.23	1.46	2,371.75
Fine Grading Dust	0.00	0.00	0.00	0.00	1.10	0.00	1.10	0.23	0.00	0.23	0.00
Fine Grading Off Road Diesel	3.18	26.46	12.98	0.00	0.00	1.33	1.33	0.00	1.23	1.23	2,247.32
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 6/4/2009-8/14/2009 Active Days: 52	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching 06/04/2009-08/15/2009	2.22	18.96	9.45	0.00	0.01	0.93	0.94	0.00	0.86	0.86	1,839.07
Trenching Off Road Diesel	2.18	18.90	8.32	0.00	0.00	0.93	0.93	0.00	0.86	0.86	1,714.64
Trenching Worker Trips	0.04	0.07	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.43
Time Slice 8/18/2009-8/28/2009 Active Days: 9	2.17	12.75	9.05	**0.00**	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Asphalt 08/18/2009-08/28/2009	2.17	12.75	9.05	0.00	0.01	1.10	1.11	0.00	1.01	1.01	1,207.12
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Paving Off Road Diesel	2.08	12.55	7.05	0.00	0.00	1.09	1.09	0.00	1.00	1.00	979.23
Paving On Road Diesel	0.01	0.08	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.14
Paving Worker Trips	0.06	0.12	1.97	0.00	0.01	0.01	0.02	0.00	0.00	0.01	217.75
Time Slice 9/1/2009-12/31/2009 Active Days: 88	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building 09/01/2009-01/24/2010	1.37	10.13	6.65	0.00	0.01	0.65	0.66	0.00	0.60	0.60	1,103.64
Building Off Road Diesel	1.30	9.79	4.94	0.00	0.00	0.63	0.63	0.00	0.58	0.58	893.39
Building Vendor Trips	0.02	0.25	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.05	0.09	1.51	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.23
Time Slice 1/1/2010-1/22/2010 Active Days: 16	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building 09/01/2009-01/24/2010	1.27	9.47	6.41	0.00	0.01	0.59	0.60	0.00	0.54	0.55	1,103.60
Building Off Road Diesel	1.21	9.16	4.81	0.00	0.00	0.58	0.58	0.00	0.53	0.53	893.39
Building Vendor Trips	0.02	0.23	0.19	0.00	0.00	0.01	0.01	0.00	0.01	0.01	43.02
Building Worker Trips	0.04	0.08	1.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	167.19
Time Slice 1/27/2010-2/22/2010 Active Days: 19	21.32	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Coating 01/27/2010-02/22/2010	21.32	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37
Architectural Coating	21.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.02	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.37

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 5/23/2009 - 6/1/2009 - Default Fine Site Grading/Excavation Description

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Mass Grading 4/24/2009 - 5/20/2009 - Default Mass Site Grading/Excavation Description

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For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

The following mitigation measures apply to Phase: Architectural Coating 1/27/2010 - 2/22/2010 - Default Architectural Coating Description

For Nonresidential Architectural Coating Measures, the Nonresidential Exterior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

For Nonresidential Architectural Coating Measures, the Nonresidential Interior: Use Low VOC Coatings mitigation reduces emissions by:

ROG: 10%

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.14	0.12	0.00	0.00	0.00	168.00
Hearth							
Landscape							
Consumer Products							
Architectural Coatings	0.12						
TOTALS (lbs/day, unmitigated)	0.13	0.14	0.12	0.00	0.00	0.00	168.00

Area Source Mitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Mitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.14	0.12	0.00	0.00	0.00	168.00
Hearth							
Landscape							
Consumer Products							

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Architectural Coatings	0.11						
TOTALS (lbs/day, mitigated)	0.12	0.14	0.12	0.00	0.00	0.00	168.00

Area Source Mitigation Measures Selected

Mitigation Description	Percent Reduction
Industrial Increase Energy Efficiency Beyond Title 24	20.00
For Nonresidential Interior Use Low VOC Coating	10.00
For Nonresidential Exterior Use Low VOC Coating	10.00

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Utilities	0.20	0.20	1.44	0.00	0.25	0.05	136.77
TOTALS (lbs/day, unmitigated)	0.20	0.20	1.44	0.00	0.25	0.05	136.77

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2010 Temperature (F): 60 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Utilities		0.78	1000 sq ft	21.00	16.38	146.98
					16.38	146.98

Vehicle Fleet Mix

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Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	51.7	1.2	98.6	0.2
Light Truck < 3750 lbs	7.3	2.7	94.6	2.7
Light Truck 3751-5750 lbs	22.9	0.4	99.6	0.0
Med Truck 5751-8500 lbs	10.6	0.9	99.1	0.0
Lite-Heavy Truck 8501-10,000 lbs	1.6	0.0	81.2	18.8
Lite-Heavy Truck 10,001-14,000 lbs	0.5	0.0	60.0	40.0
Med-Heavy Truck 14,001-33,000 lbs	0.9	0.0	22.2	77.8
Heavy-Heavy Truck 33,001-60,000 lbs	0.5	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	2.8	67.9	32.1	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.9	0.0	88.9	11.1

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	12.7	7.0	9.5	13.3	7.4	8.9
Rural Trip Length (miles)	17.6	12.1	14.9	15.4	9.6	12.6
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Utilities				2.0	1.0	97.0

Operational Changes to Defaults

APPENDIX B~~A~~

FINAL PHASE I ENVIRONMENTAL SITE ASSESSMENT
(Contained on enclosed CD-ROM)

Kennedy/Jenks Consultants

2355 Main Street, Suite 140
Irvine, California 92614
(949) 261-1577
(949) 261-2134 (Fax)

Phase I Environmental Site Assessment
FBR Treatment Plant – West Valley Water District
855 West Base Line Road
Rialto, California

8 July 2009

DRAFT

Prepared for

West Valley Water District
855 West Baseline Road
Rialto, California 92376

K/J Project No. 0989015*00

Kennedy/Jenks Consultants

2355 Main Street, Suite 140
Irvine, CA 92614
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8 July 2009

Prepared for

West Valley Water District
855 West Baseline Road
Rialto, California 92376

Charles (Rus) Purcell, P.G.
Client Manager/ Senior Geologist

K/J Project No. 0989015*00

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Executive Summary

Kennedy/Jenks Consultants (Kennedy/Jenks) was retained by the West Valley Water District (WVWD) to prepare a Phase I Environmental Site Assessment (Phase I ESA) for their facility located at 855 West Baseline Road in the City of Rialto, California (Subject Property) (Figure 1). Kennedy/Jenks understands WVWD intends to construct a water treatment plant, known as the FBR Treatment Plant, in the eastern portion of the Subject Property. The purpose of this environmental assessment is to (1) identify recognized environmental conditions ("REC") in connection with the Subject Property that may potentially impact WVWD's intended redevelopment plans and (2) to qualify WVWD for the Landowner Liability Protection (LLP) pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Conclusions

The following RECs were identified in connection with the Subject Property:

- The fill material underlying the majority of the Subject Property includes apparent burnt ash from past incineration of unknown materials. This material has the potential to contain hazardous constituents.

The following Notable Findings were identified in connection with the Subject Property:

- According to an interview performed on 11 May 2009 at the Subject Property, one underground storage tank (UST) was formerly located in the central portion of the Subject Property. This 5,000-gallon fuel UST was abandoned and closure was recorded by County of San Bernardino Fire Department. Residual hydrocarbons may be present at the property.

- Currently two gasoline aboveground storage tanks (ASTs) are located in the central portion of the Subject Property. The potential exists for fuels to have been released to the surface near one or both ASTs.

- A waste oil storage area is located in the eastern portion of the Subject Property. Information does not exist regarding known releases associated with this area; however, the potential exists.

- Circle K #1979 at 688 West Base Line Road is approximately 945 feet east-northeast of the Subject Property and is an active gasoline station that maintains USTs. Information does not exist regarding known releases associated with this site; however, the potential exists.

- A dry cleaning facility is located at 638 West Baseline Road approximately 1,100 feet east-northeast of the Subject Property. Tetrachloroethylene (PCE) has been noted to

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have been used at this facility. Information does not exist regarding known releases associated with this site; however, the potential exists.

- Lead-based paint (LBP) and asbestos-containing material (ACM) may be present in building materials based on the age of the buildings. However, buildings currently present on the Subject Property are not intended for demolition; and therefore LBP and ACM are not a concern for the overall project.

Recommendations

Based on the foregoing, as well as representations made by individuals interviewed for this report, Kennedy/Jenks recommends the following:

- Perform a limited soil sampling assessment in suspect areas of potential chemical impact. At a minimum, this assessment should evaluate the fill material, the onsite ASTs, the former UST area, and the current waste oil storage area.

- Prior to demolition of Buildings A and C (if ever), perform a LBP and ACM survey at the Subject Property to test building materials for the potential presence of LBP and ACM. However, buildings currently present on the Subject Property are not intended for demolition; and therefore LBP and ACM are not a concern for the overall project.

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Section 1: Introduction

1.1 Purpose

Kennedy/Jenks Consultants (Kennedy/Jenks) was retained by the West Valley Water District (WVWD) to prepare a Phase I Environmental Site Assessment (Phase I ESA) for their facility located at 855 West Baseline Road in the City of Rialto, California (Subject Property) (Figure 1). Kennedy/Jenks understands WVWD intends to construct a water treatment plant, here forth known as the FBR Treatment Plant, in the eastern portion of the Subject Property. The purpose of this environmental assessment is to (1) identify recognized environmental conditions ("REC") in connection with the Subject Property that may potentially impact WVWD's intended redevelopment plans and (2) to qualify WVWD for the Landowner Liability Protection (LLP) pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Findings that do not rise to the level of a REC, but do have some potential to have affected the Subject Property are identified as Notable Findings for the purpose of this report.

For the purpose of this report, and as defined by the American Society of Testing and Materials ("ASTM"), a REC is "the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into the structure, on the property, or into the ground, groundwater, or surface water of the property." The term *historical recognized environmental condition* means an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered as a *recognized environmental condition* currently.

1.2 Detailed Scope of Services

The Phase I ESA was conducted in general accordance with the United States Environmental Protection Agency (USEPA) All-Appropriate Inquiry (AAI) rule (40 CFR, Part 312) as described in the ASTM E 1527-05 for the performance of a Phase I ESA. At a minimum, the following activities were performed to accomplish the Phase I ESA objectives:

- **Subject Property Interview** – An interview was conducted with individuals knowledgeable and familiar with the Subject Property.

- **Subject Property Reconnaissance** – A visual observation of the Subject Property was conducted in readily accessible areas to identify RECs. Additionally, visual observations of adjoining properties were made from the vantage point of the Subject Property as well as from public right-of-ways to assess the potential impact of these properties on the Subject Property.

- **Environmental Lien Search** - An environmental lien is a charge, security, or encumbrance on a property's title to secure payment of cost or debt arising from response actions, cleanup, or other remediation of hazardous substances or petroleum products. A lien search was conducted for the Subject Property.

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- **Agency Records Review** - Available environmental reports, agency records (state and local agencies), and appropriate permits were reviewed to identify properties within the Subject Property with a reported environmental concern or incident.

- **Historical Research –** At a minimum, research readily available sources of historical information related to the Subject Property and adjoining properties to identify any historical land use practices that have the potential to adversely impact environmental conditions at the Subject Property. Sources of historical information to help identify RECs in connection with the Subject Property include historical aerial photographs, historical topographic maps, Sanborn Fire Insurance Maps, and City Directories.

- **Government Database Review** – Published federal, state, county, and tribal databases were reviewed to identify properties within ASTM-specified radii of the Subject Property with a reported environmental concern or incident. Kennedy/Jenks subcontracted the compilation of government database search to EDR.

- **Report Preparation** – A summary of the findings and recommendations of the Phase I ESA was prepared.

1.3 Environmental Professional Qualifications

This Phase I ESA was prepared under the supervision of Charles (Rus) Purcell (PG 4019) of Kennedy/Jenks. Mr. Purcell has a Bachelor and Master of Science degree in Geology and is a registered California Professional Geologist with over 30 years of experience consulting on site assessment and remediation projects. Mr. Purcell meets the qualifications for an environmental professional as stated in the ASTM E 1527-05 standard.

Information acquisition, compilation, and interpretation, along with report preparation, were performed by Nadine Stroud, a Kennedy/Jenks geologist. Ms. Stroud has a Bachelor's degree in Geology and has over 10 years of experience consulting on site assessment and remediation projects. Ms. Stroud meets the qualifications for an environmental professional as stated in the ASTM E 1527-05 standard.

1.4 Limitations and Exceptions

This Phase I ESA is based on review of readily available environmental records, review of readily available aerial photographs, results of limited interviews, and visual observations of recent Subject Property conditions. Kennedy/Jenks Consultants' activities were conducted in accordance with practices and procedures generally accepted in the consulting field. Kennedy/Jenks Consultants' services were limited to those specified in our proposal, which was accepted by WVWD. This report is intended for the sole use of WVWD subject to the terms and conditions of our agreement.

1.5 Special Terms and Conditions

This report represents Kennedy/Jenks Consultants' professional opinion and judgment, which are dependent upon information obtained during performance of consulting services.

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Environmental conditions may exist at the Subject Property that cannot be identified by visual observations or were obscured from view by vegetation, poor lighting, or other materials during Kennedy/Jenks Consultants' visit to the Subject Property. Kennedy/Jenks Consultants' conclusions were based in part on information supplied by others, the accuracy or sufficiency of which has not been independently reviewed by Kennedy/Jenks Consultants. No investigation can be thorough enough to exclude the presence of hazardous materials at a given Subject Property; therefore, if no hazardous materials are identified during an assessment, such a finding should not be construed as a guarantee of the absence of such materials on the Subject Property, but rather the results of services performed within project scope, cost, and other limitations.

Any opinions presented apply to the Subject Property conditions at the time of performance of services and do not address the potential for future releases. Changes in applicable environmental standards, practices, or regulations may occur following performance of services, which could impact the opinions presented.

1.6 Reliance

This report is intended for the sole use of WVWD. If other parties wish to rely on this report, it is recommended that the parties contact Kennedy/Jenks Consultants so that a mutual understanding and agreement of the terms and conditions for our services can be established prior to their use of this information.

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Section 2: Subject Property Description

The following section provides information about the Subject Property, such as its ownership, general description, environmental setting, current property usage, and also describes the general uses of the adjoining properties and surrounding area.

2.1 Property Owner Information

WVWD is the current owner of the Subject Property located at 855 West Baseline Road, Rialto, California.

2.2 Subject Property Description

The WVWD Headquarters is located at the Subject Property and is situated in primarily a residential area of Rialto, California (Figure 1), but the zoning of the Subject Property area is residential according to the City of Rialto Planning Department. Several structures are situated on the property, including the main administration building (Buildings A & B combined), a warehouse/maintenance building (Building C), Well No. 33 and associated pumping equipment, a concrete reservoir, two fuel aboveground storage tanks (ASTs), and a waste oil storage area (Figure 2). In addition, a cell tower (mono-pole construction) is located along the southwest boundary of the Subject Property. Asphalt and concrete pavement are located throughout the Subject Property. Figure 2 illustrates the general layout of the Subject Property. County property, a WVWD steel reservoir and associated perchlorate treatment system, and a City of Rialto concrete reservoir and Rialto Well-04 are located east of the Subject Property. Figure 2 illustrates the general layout of the Subject Property and immediate surrounding area.

WVWD Well #33 is located in the southern portion of the Subject Property. Records on file at the San Bernardino County Fire Department indicate that this well has an approximate 300-foot sanitary seal. In addition, records on file with the State Water Resource Control Board indicate that the source origin for this well is groundwater and that no treatment is currently applied to this well. This well is also identified as State Well #3610004-030.

2.3 Adjoining Properties and Surrounding Vicinity

Figure 2 presents a generalized layout of the Subject Property in relation to its surrounding area. At the time of the Subject Property reconnaissance, the adjoining properties and surrounding vicinity were characterized as:

North: West Base Line Road is immediately north of the Subject Property. Vacant land used for flood control and owned by the County of San Bernardino is north of West Base Line Road and is considered an adjoining property. Jerry Eaves Park and the Rialto Municipal Airport are located to the distant northwest of the Subject Property.

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East: Water supply reservoirs (City of Rialto and WVWD) and vacant land used for flood control are located immediately east of the Subject Property. A residential area is farther east of the Subject Property.

South: Vacant land, likely used for flood control, is immediately south of the Subject Property.

West: A residential area is immediately and farther west of the Subject Property.

2.4 Environmental Setting

This section describes the geologic and hydrologic features of the Subject Property.

2.4.1 Regional Setting

The Subject Property has geographical coordinates of approximately 34.120 north latitude and 117.3854 west longitude and is situated at an approximate topographic elevation of 1,361 feet above mean sea level (msl). The topographic slope for the Subject Property and surrounding area is toward the south-southeast.

2.4.2 Geologic Setting

According to the Physical Setting Source Summary of the EDR Report (Appendix A), the upper 5 feet below ground surface (bgs) in the vicinity of the Subject Property consists of coarse-grained gravelly sand.

2.4.3 Groundwater Setting

Based on the Geocheck – Physical Setting Source Map included in the EDR Report (Appendix A) no depth to groundwater or groundwater flow direction was available for the Subject Property or surrounding area (within a half-mile radius). Groundwater flow direction in the vicinity of the Subject Property is inferred to the south-southeast, in the general direction of surface topography.

According to Figure 4 of the Road Map to Remedy Selection, Rialto-Colton Basin (Rialto, 2007), regional groundwater flow direction in the vicinity of the Subject Property is towards the southeast and the groundwater elevation reported in April 2000 was approximately 1,050 feet above mean sea level.

2.5 Subject Property Utilities

The following utilities service the local area in which the Subject Property exists:

- Water – West Valley Water District and City of Rialto
- Electric – Southern California Edison

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- Sewer – City of Rialto
- Gas – Southern California Gas Company

2.6 Public Water Wells

According to the EDR Report Physical Setting Source Summary (Appendix A) no federal public water supply wells are within a one-mile radius of the Subject Property. Five federal United States Geological Survey (USGS) wells are within a one-mile radius of the Subject Property, one of which is identified at the Subject Property (USGS3134694). The other four remaining USGS wells are over ½ mile to the east (USGS3134722), south (USGS3290490), east-southeast (USGS3134850), and southeast (USGS3134818) of the Subject Property. Review of the EDR Report Physical Setting Source Summary, eight state water supply wells are within a mile of the Subject Property. Two wells are approximately ¼ mile south-southeast of the Subject Property, one well is approximately ½ mile southeast of the Subject Property, three wells are approximately ½ mile east of the Subject Property, another is approximately ¾ mile southeast of the Subject Property, and the most distant well is located approximately one mile north of the Subject Property.

According to Figure 6 of the Road Map to Remedy Selection, Rialto-Colton Basin (Rialto, 2007), production well WVWD-33 is located on the Subject Property, and six other production wells are located in close proximity to the Subject Property. These well include, Rialto-04 (east of the Subject Property), WVWD-10 (east of the Subject Property), Rialto-05 (southeast of the Subject Property), Rialto-06/PW-9 (southeast of the Subject Property), WVWD-11 (southeast of the Subject Property), and San Bernardino County well N-15 (west of the Subject Property).

2.7 Oil, Gas, and Related Wells

According to the EDR Physical Setting Source Map, no oil, gas, and related wells are within the immediate and distant areas surrounding the Subject Property.

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Section 3: Government Database Review

A review of federal, state, and tribal environmental databases related to the Subject Property and surrounding area in accordance with the ASTM E 1527-05 search radius was conducted to identify potential RECs or Notable Findings. Properties that have or may have the potential for existing or future site contamination, environmental liabilities, or the potential for contamination migration to surrounding areas were identified in this database search. Information from these various databases was compiled in the EDR Report (Appendix A).

Government database listings reviewed during this Phase I ESA included, but were not limited to:

- USEPA National Priorities List (NPL) within a 1-mile radius.
- USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) sites within a ½-mile radius.
- USEPA Comprehensive Environmental Response-No Further Remedial Action Planned (CERCLIS-NFRAP) sites within a ¼-mile radius.
- USEPA Corrective Action Report (CORRACTS) sites within a 1-mile radius.
- USEPA Resource Conservation and Recovery Information System-Treatment, Storage, and Disposal (RCRIS-TSD) sites within a ½-mile radius.
- USEPA "RCRIS-Large Quantity Generator" (RCRIS-LQG) within a ¼-mile radius.
- USEPA "RCRIS-Small Quantity Generator" (RCRIS-SQG) within a ¼ mile radius.
- USEPA Facility Index System/Facility Registry System (FINDS) for the Subject Property only.
- USEPA Emergency Response Notification System (ERNS) sites within the target property.
- California EnviroStor Database – ENVIROSTOR within a 1-mile radius.
- California Calsites Database – HIST CAL-SITES within a 1-mile radius.
- California Bond Expenditure Plan (BEP) within a 1-mile radius.
- California Waste Management Unit Database System (WMUDS/SWAT) within a ½-mile radius.
- California Cortese within a ½-mile radius.
- California Leaking Underground Storage Tank (LUST) within a ½-mile radius.

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- California Facility Inventory Database (CA FID) within a ¼-mile radius.
- California Spills, Leaks, Investigation and Cleanups (SLIC) sites within a ½-mile radius.
- California Underground Storage Tanks (UST) within a ¼-mile radius.
- California Hazardous Substance Storage Container (HIST UST) within a ¼-mile radius.
- California Statewide Environmental Evaluation and Planning System (SWEEPS UST) within a ¼-mile radius.
- California Hazardous Material Incident Report System (CHMIRS) for the Subject Property only.
- California 65 Notification Records within a 1-mile radius.
- California Voluntary Cleanup Program Properties (VCP) within a ½-mile radius.
- California Cleaners within a ¼-mile radius.
- California Facility and Manifest Data (HAZNET) for the Subject Property only.

The results of the Subject Property and Surrounding Property listings are summarized in Sections 3.1 and 3.2, respectively.

3.1 Subject Property Summary

The Subject Property was listed in the following databases:

- ***San Bernardino County Permit*** – This listing refers to several permits issued to WVWD pertaining to the maintenance and operation of an aboveground storage tank (expired in July 2008), operating as a special generator (expires in July 2009), operating as a hazmat handler having 11-25 employees (expires in July 2009), operating and maintaining a UST (expired in July 2003), and operating under a California Accidental Release Prevention (CALRP) facility permit (expired in July 2003).
- ***LUST*** – According to the EDR database report, the Subject Property is listed in the LUST database for reported fuel impacts to soil only. Pollution characterization began in March 2003 and case closure status was granted in August 2003. The leak from the UST was discovered during tank closure activities. Gasoline and methyl tert-butyl ether (MTBE) were detected in impacted soils.
- ***UST*** – No additional information provided is UST database.
- ***AST*** – WVWD listed as the tank owner. Tank capacity reported at 5,395 gallons.
- ***HAZNET*** – Review of the EDR database report indicates oil/water separation sludge has been generated at the Subject Property. Recycling was the sole disposal method.

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- ***CA FID UST*** – UST listed as active.

- ***SWEEPS UST*** – According to the EDR database report, the SWEEPS listing reports active operation of a 1,000-gallon UST at the Subject Property. The tank was installed in late 1980s and was used for regular unleaded fuel storage.

- ***HIST UST*** – According to the EDR database report, the HIST UST listing reports operation of a 1,000-gallon UST at the Subject Property. The tank was installed in 1975 and was used for unleaded fuel storage.

3.2 Surrounding Property Summary

Sites near the Subject Property were listed in the databases provided in the EDR Report. These listings are summarized as follows:

- **City of Rialto Well #4** at 725 West Base Line Road is approximately 800 feet northeast of the Subject Property (note on Figure 2) and is listed in San Bernardino County Permit database EPCRA Facility several permits issued to the City of Rialto pertaining to its operation as a Hazmat Handler for 0-10 employees (expired in July 2007), having a risk management plan (expired in July 2007), operating as an Emergency Planning and Community Right-To- Know Act (EPCRA) Facility (expired in July 2007), and operating under a CALRP Facility permit (expired in July 2007).

- **Circle K #1979** at 688 West Base Line Road is approximately 945 feet east-northeast of the Subject Property and is listed in the UST database. No further information was provided.

- **Convenience Retailers #2701979** at 688 West Base Line Road is approximately 945 east-northeast of the Subject Property and is listed in the County of San Bernardino Permit database. This listing refers to permits issued to Convenience Retailers for operating and owning a UST (expires in July 2009); operating as a Hazmat Handler for UST only (expires in July 2009); and having waste incidental UST operation only (expires in July 2009).

- **USA Cleaners** at 638 West Baseline Road is approximately 1,100 feet east-northeast of the Subject Property and is listed in the County of San Bernardino Permit database for operating as a special generator and handler. The permits expired in November 2006.

- **Comet One Hour Cleaners** at 638 West Baseline Road is approximately 1,100 feet east-northeast of the Subject Property and is listed in the following databases:

  - **FINDS:** This listing refers to RCRA compliance.

  - **Haznet:** Generator of halogenated organic solid and liquid wastes, including chloroform, methyl chloride, perchloroethylene, and still bottoms. These wastes are transported to a recycling facility.

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- **Drycleaners:** The site is identified as a commercial laundry, dry cleaning, and pressing machine manufacturing facility.
- **RCRA-NonGen:** The site was identified in 1991 as a generator that did not generate hazardous waste at the time. No violations were reported for this dry cleaning facility.

- Due to incomplete address information, fourteen orphan sites were not detailed in the EDR Radius Map.

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Section 4: Historical Use Information

Kennedy/Jenks consulted various historical sources to develop a history of previous uses of the Subject Property and surrounding area to evaluate the potential for past uses that may pose an environmental concern. Kennedy/Jenks conducted a review of historical documents, available local agency or departmental records, and available previous investigation reports. The following section summarizes the findings of these record reviews.

4.1 Proprietary Record Review

Kennedy/Jenks subcontracted the historical document search to EDR. The databases searched and documents available are summarized as the following:

The Sanborn Fire Insurance Maps consist of a uniform series of large-scale detailed

- maps, dating from 1867 through 1969 depicting the commercial, industrial, and residential sections of cities. A search of the Sanborn Fire Insurance Maps was conducted for the Subject Property and they are not available. Verification of this is included in Appendix B.

- City directories have been published for many cities and towns across the United States since the 18th century. For each address within an area, City directories list the name of each resident or, if a business operates from that address, the name and type of business. While the geographic coverage of city directories is comprehensive for most major cities, many rural areas and small towns may not be included. In addition, many towns and cities have discontinued the practice of issuing city directories. City directory coverage was available for the Subject Property and adjoining properties. A summary of the findings of the city directory coverage is included in the table following. A copy of the City Directory report is included in Appendix C.

- Historical aerial photographs of the Subject Property and surrounding area were obtained from EDR. Photographs from 1930, 1938, 1953, 1966, 1977, 1990, 1994, 2002, and 2005 were provided to and reviewed by Kennedy/Jenks. A review of the aerial photographs is provided in the table following. The Aerial Photo Decade Package is included in Appendix D.

- Historical topographic maps of the Subject Property and surrounding area were obtained from EDR. Maps from 1901, 1954, 1967, 1973, and 1980 were provided to and reviewed by Kennedy/Jenks. A review of the topographic maps is provided in the table following. The topographic map report is included in Appendix E.

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Proprietary Records Summary Table

Year	Interpretation	Source
1901	The Subject Property is at an approximate topographic elevation of 1,360 feet above mean sea level (msl) and is in an area of gently sloping terrain. The topographic gradient and surface run off direction is southeast for the Subject Property and surrounding area. Lytle Creek is located to the distant east of the Subject Property.	Topographic Map
1930	**Subject Property:** The Subject Property appears to be undeveloped land. **Surrounding Properties:** The surrounding area appears to be a mixture of undeveloped land (primarily to the west) and agricultural fields (primarily to the east).	Aerial Photograph
1938	**Subject Property:** The Subject Property appears generally similar to the previous photograph. **Surrounding Properties:** The surrounding properties appear generally similar to the previous photograph. A few scattered farmhouses and/or ranch dwellings are present amongst the agricultural fields.	Aerial Photograph
1953	**Subject Property:** The terrain appears excavated and worked. Possible quarry activities observed. Unpaved roadways are apparent throughout the Subject Property. **Surrounding Properties:** The surrounding properties appear generally similar to the previous photograph. Land to the immediate north appears excavated and worked similar to the Subject Property.	Aerial Photograph
1954	The topography of the Subject Property and surrounding area appear generally similar to the previous topographic map. Gravel pits are noted on the land immediately north of the Subject Property.	Topographic Map
1966	**Subject Property:** No structures are observed on the Subject Property. Unpaved roadways still observed on the Subject Property. Unable to discern land use from this photograph; however, quarry activities appear to have ceased or at least lessened given the land appears unused and overgrown with vegetation. **Surrounding Properties:** Significant changes are observed to the surrounding area at this time compared to the previous aerial photographs. An apparent rock quarry (including gravel pits) is observed to the immediate north of the Subject Property. Undeveloped land is observed farther north of the Subject Property. A mixture of agricultural land and significant residential developments are noted to the near and distant east of the Subject Property. Undeveloped land is apparent to the south and west of the Subject Property.	Aerial Photograph

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Proprietary Records Summary Table

Year	Interpretation	Source
1967	The topography of the Subject Property and surrounding area appear generally similar to the previous topographic map. A well is noted on the Subject Property. Gravel pits are noted on the land immediately north of the Subject Property.	Topographic Map
1973	The topography of the Subject Property and surrounding area is similar to the previous topographic map. A well is noted on the Subject Property. Gravel pits still appear north of the Subject Property.	Topographic Map
1975	**Subject Property:** The Subject Property is listed as West San Bernardino County Water. **Surrounding Properties:** No listings identified.	City Directories
1977	**Subject Property:** The current Building A, Building C, and the concrete reservoir located in the eastern portion of the Subject Property are present. The Subject Property appears to be occupied by current operations as a water district. **Surrounding Properties:** The surrounding area appears generally similar to the previous photograph. Ongoing residential development is noted east of the Subject Property.	Aerial Photograph
1980	The topography of the Subject Property and surrounding area is similar to the previous topographic map. A well is noted on the Subject Property.	Topographic Map
1981 & 1984	**Subject Property:** The Subject Property is listed as West San Bernardino County Water. **Surrounding Properties:** No listings identified.	City Directories
1990	**Subject Property:** The current Building B is noted on the Subject Property. **Surrounding Properties:** Significant residential development is noted throughout the surrounding area.	Aerial Photograph
1995	**Subject Property:** The Subject Property is listed as West San Bernardino County Water. **Surrounding Properties:** Listings on North Cactus Avenue and North Idyllwild Avenue pertain to residences.	City Directories
1994	**Subject Property:** The Subject Property appears generally similar to the previous photograph. **Surrounding Properties:** The surrounding area appears generally similar to the previous photograph. The City of Rialto concrete reservoir is noted immediately east of the Subject Property.	Aerial Photograph

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Proprietary Records Summary Table

Year	Interpretation	Source
2002	**Subject Property:** The Subject Property appears closely constructed to its current configuration, aside from the recently constructed connection between Buildings A and B. The steel, circular reservoir owned by WVWD is present. **Surrounding Properties:** The surrounding area appears generally similar to the previous photograph. The surrounding properties appear constructed in their current configurations.	Aerial Photograph
2005	**Subject Property:** The Subject Property appears generally similar to the previous photograph. **Surrounding Properties:** The surrounding area appears generally similar to the previous photograph.	Aerial Photograph
2007	**Subject Property:** The Subject Property is listed as WVWD. **Surrounding Properties:** Surrounding property listings along North Cactus Avenue and North Idyllwild Avenue refer to residences.	City Directories

4.2 Environmental Liens or Activity and Use Limitations

According to the EDR Environmental Lien Search Report (Appendix F), no environmental liens or activity and use limitations (AULs) were reported for the Subject Property.

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Section 5: Local Agency Records Review

Kennedy/Jenks submitted requests for file reviews at local agencies. Kennedy/Jenks' records requests and records obtained from these agencies are presented in Appendix G. The results of the record reviews are summarized as the following:

5.1 California Department of Toxic Substances Control (DTSC), Cypress, California

According to the file review representative, no records were on file for the Subject Property.

5.2 California Department of Toxic Substances Control (DTSC), Glendale, California

According to the file review representative, no records were on file for the Subject Property.

5.3 Santa Ana Regional Water Quality Control Board (SARWQCB), Riverside, California

Kennedy/Jenks reviewed records at the SARWQCB on file for the Subject Property. These records pertained to the Subject Property's monthly monitoring for one or more of the following water supply wells: Wells 16, 17, and 42. These monthly reports extend from May 1996 to present. Other records reviewed at this agency dealt with waste discharges associated with water wells (i.e. discharged development water and discharges from potable wells commonly for sanitary purposes following routine and/or major work on pump equipment).

5.4 County of San Bernardino Department of Public Health Division of Environmental Health Services (San Bernardino DHS)

According to the file review representative, no records were on file for the Subject Property.

5.5 California Integrated Waste Management Board

According to the California Integrated Waste Management Board facility database, the Cactus Dump is located in Rialto at 34.1246 north latitude and -117.3871 west longitude and at one time operated immediately north of the Subject Property, just north of Base Line Road. The dump is listed as a solid waste disposal site that ceased operations in 1956.

5.6 City of Rialto Building Department

Kennedy/Jenks visited the City of Rialto Building Department to review available files for the Subject Property. Information reviewed at this agency dealt with operations and ownership by

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the WVWD. No reference of the Cactus Dump was noted in any of the building department records.

5.7 San Bernardino County Fire Department

Kennedy/Jenks visited the San Bernardino County Fire Department on 29 June 2009 to review records on file for the Subject Property. The following information was obtained from our review:

- In a letter dated 20 August 2009 prepared by the San Bernardino County Fire Department for West San Bernardino County Water District (Subject Property), site investigation and correction action for the UST formerly located at the Subject Property was granted. Supporting documentation included with this closure letter indicated that the UST was 5,000 gallons in capacity, removal activities took place in March 2003, and that groundwater beneath the Subject Property is at approximately 300 feet bgs and flows in a southerly direction. Low concentrations of gasoline-range hydrocarbons (TPHg), toluene, xylene, and methyl tert butyl ether (MTBE) were reported in soil in the vicinity of the tank, but fuel-related impacts were determined to be localized and not a threat to groundwater, public health, or the environment. No drinking water wells were affected minor release of fuels to the subsurface associated with the former UST.

- A Corporation Deed Grant dated June 1968 was reviewed for the Subject Property. The deed states that the San Bernardino County Flood Control District grants the Subject Property to the West San Bernardino County Water District.

- In a letter dated 2 June 1993 prepared by the SARWQCB to the County of San Bernardino Department of Environmental Health Services-Hazardous Materials Division, hazardous levels of soluble lead were identified in the fill material located at the Subject Property. It was reported in the letter that the Subject Property once operated as a waste disposal site which is the origin of the fill material. It was also stated that materials excavated from the site containing this fill would not be suitable for disposal at a Class III municipal solid waste landfill.

- The SARWQCB issued a letter to the West San Bernardino County Water District on 2 June 1993 stating that any waste fill material removed from the Site is not suitable for disposal at a Class III facility and that this material should be disposed at a Class I facility. The letter indicates that the County requested that the SARWQCB act as the lead agency in this matter. As the lead, the SARWQCB requested that the West San Bernardino County Water District submit a closure plan discussing one of two alternatives for closure: 1) installation of an impervious cap over the fill material with periodic monitoring of groundwater quality beneath the site or 2) excavation and removal of the waste fill material.

- A property inspection was performed at the Subject Property in November 2008 by the San Bernardino County Fire Department – Hazardous Materials Division. The Hazardous Waste Generator & Hazardous Materials Handler Inspection Report completed during this inspection identified an inventory of the following hazardous materials stored at the Subject Property: chlorine tablets, compressed helium gas, sodium hypochlorite, lube oil, compressed acetylene gas, and compressed oxygen gas.

Section 6: User Provided Information

Kennedy/Jenks reviewed a geotechnical report prepared by John R. Byerly Incorporated (Byerly) in May 1993 entitled Foundation Investigation (Byerly, 1993). The report was prepared on behalf of the West San Bernardino County Water District and pertained to a geotechnical investigation conducted at the Subject Property. Soil characterization activities performed during this study indicated an artificial fill material to depth ranging from 11 to 12 feet below grade. The fill consisted of loose silty fine to coarse sand with varying amounts of gravel. The debris observed within the fill included glass, concrete, brick, asphalt, and wire fragments with occasional pockets of ash. Native soils beneath the fill were comprised of dense, fine to coarse sand.

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Section 7: Interviews and Subject Property Reconnaissance

7.1 Subject Property Interview

Kennedy/Jenks interviewed the current general manager of the Subject Property to obtain information indicating RECs. An interview was performed in person on 11 May 2009.

7.1.1 A. W. Araiza Interview

Kennedy/Jenks interviewed Mr. Araiza, the current general manager of the Subject Property regarding his knowledge of the history and operations performed at the Subject Property. According to Mr. Araiza the following conditions are associated with the Subject Property:

- The property was previously owned by the County of San Bernardino and was once a rock quarry and operated as a refuse disposal and burn site in the 1950s and 1960s. The property also was used for flood control.
- Fill material underlies the majority of the Subject Property. This fill material extends from approximately ground surface to 10 feet below grade and consists of sandy soils mixed with debris (i.e. broken glass, ceramics, clay tiles, apparent burnt material/ash).
- Land to the north and south of the Subject Property is still owned and managed by the County of San Bernardino as flood control.
- Only small quantities of chemicals associated with normal facility operations as a water district, including weed killers, are located onsite. Chlorine is used and stored at the Subject Property for treatment of extracted groundwater from WVWD Well #33.
- A former 5,000-gallon unleaded UST was located east of Building C (warehouse), Figure 2. According to Mr. Araiza this tank was removed and closure was granted by the County of San Bernardino.
- Two fuel ASTs are currently located at the Subject Property and are used for diesel and unleaded gasoline storage.
- No clarifiers are located on the Subject Property.
- Maintenance of facility vehicles is performed offsite.

7.2 Subject Property Reconnaissance-Visual and Physical Observations

On 11 May 2009, Nadine Stroud and Joy Carpio of Kennedy/Jenks visited the Subject Property and surrounding area. Photographs were taken and a photograph log is included in Appendix H. Visual and physical observations are noted in the following table:

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Subject Property Reconnaissance Summary Table

Feature / Characteristic	Y/N	Comments
Current Use of Subject Property	NA	The Subject Property is occupied and owned by the WVWD
Underground Storage Tanks (USTs)	N	A former 5,000-gallon UST was located east of Building C. This UST was removed from the property and once stored unleaded fuel.
Aboveground Storage Tanks (ASTs)	Y	Two fuel ASTs are currently located at the Subject Property and are used for diesel and unleaded gasoline storage. Secondary containment (concrete containment system) was noted.
Septic Tanks	N	The Subject Property is connected to the City of Rialto's sewage system.
Drainage Systems	Y	Several drains for storm water and runoff collection are located throughout the Subject Property (see Figure 2).
Sumps	N	
Clarifiers	N	
Hoists or Lifts	N	
Drums and Containers	Y	Waste oil drums were noted in the eastern portion of the Subject Property. These drums appeared well maintained and did have secondary containment (collection trays).
Dumping or Filling Activities	N	
Florescent Lighting	N	
Floor Drains	Y	Floor drains were observed inside Building C.
Hazardous Chemicals (Storage, Use, Disposal)	Y	Small quantities of chemicals associated with maintenance and general facility operations are present.
Petroleum Hydrocarbon Containers	N	
Materials Spills	N	No information was obtained during the Phase I ESA indicating that chemical spills occurred at the Subject Property.
Monitor/Supply/ Disposal Wells	Y	Well Number 33 is located along the southern portion of the Subject Property. This is an active well.
Odors	N	
Air Emissions	N	
Unusually Stained or Corroded Pavement or Flooring	N	
Pesticide Usage or Storage	Y	Small quantities used.
Pits, Ponds, Lagoons	N	
Pools Of Liquid	N	
Roads And Trails With No Apparent Purpose	N	
Stained Or Disturbed Soil	N	
Stressed Vegetation	N	
Toxic Substances	N	

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Subject Property Reconnaissance Summary Table

Feature / Characteristic	Y/N	Comments
Unidentified Containers/Substances	N	
High Voltage Power Lines/ Magnetic Fields	N	
Fiber Optics Lines	N	
Waste Water Generation	N	
Solid Waste Storage	N	
Electrical Transformers	Y	One ground-mounted transformer is located east of Building A in the northern portion of the Subject Property.
Neighboring Property USTs	Y	**Circle K #1979** at 688 West Base Line Road is approximately 945 feet east-northeast of the Subject Property and is listed in the UST database. This is an active gasoline station.

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Section 8: Historical Materials of Concern

8.1 Suspect Asbestos-Containing Materials

While the use of asbestos in the manufacture of most building materials has not been fully prohibited by law, the use of asbestos, for the most part, has voluntarily been discontinued since the late 1970s. Some non-friable materials, such as roofing material and floor coverings (floor tile and mastic) may have been manufactured with asbestos materials and may have been used into the early 1980s. The presence of ACM in the building materials of the Subject Property is possible based on the age of Buildings A and Building C that appear to have been constructed between 1966 and 1977. However, buildings currently present on the Subject Property are not intended for demolition; and therefore ACM is not a concern for the overall project.

8.2 Lead-based Paint

In 1978, the Consumer Products Safety Commission banned paint and other surface coating materials containing lead. Based on information from the historical aerial photographs, Buildings A and C were constructed between 1966 and 1977. LBP may be present at the Subject Property, specifically at Buildings A and C, based on their age. However, buildings currently present on the Subject Property are not intended for demolition; and therefore LBP is not a concern for the overall project.

8.3 PCB Equipment

PCBs were historically used as coolants and lubricants in transformers, capacitors, and other electrical equipment beginning in 1929 because they do not burn easily and serve as a good insulating material. Based on observations made during the Subject Property reconnaissance, evidence of PCBs on the Subject Property was not identified.

8.4 Radon

According to information provided EDR Report, radon levels in San Bernardino County, California are below the Federal EPA Radon Zone level of 4.0 picocuries per liter.

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Section 9: Significant Findings

A Phase I Environmental Site Assessment has been conducted at the WVWD (Subject Property) located at 855 West Base Line Road in the City of Rialto, California. The following identifies the significant findings of this assessment:

- The property was previously owned by the County of San Bernardino and was once a rock quarry and operated as a refuse disposal and burn site in the 1950s and 1960s. The property also was used for flood control.

- Fill material underlies the majority of the Subject Property. This fill material extends from approximately ground surface to 10 feet below grade and consists of sandy soils mixed with debris (i.e. broken glass, ceramics, clay tiles, apparent burnt material/ash).

- A former 5,000-gallon unleaded UST was located east of Building C (warehouse), Figure 2. According to Mr. Araiza this tank was removed and closure was granted by the County of San Bernardino.

- Two fuel ASTs are currently located at the Subject Property and are used for diesel and unleaded gasoline storage.

- A waste oil storage area is located in the eastern portion of the Subject Property.

- **Circle K #1979** at 688 West Base Line Road is approximately 945 feet east-northeast of the Subject Property and is listed in the UST database. This is an active gasoline station.

- A dry cleaning facility is located at 638 West Baseline Road is approximately 1,100 feet east-northeast of the Subject Property. PCE has been noted to have been used at this facility.

- LBP and ACM may be present in building materials based on the age of the buildings.

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Section 10: Conclusions and Recommendations

Kennedy/Jenks has conducted this Phase I ESA in conformance with the scope and limitations of ASTM 1527-05 of the WVWD located at 855 West Base Line Road in the City of Rialto, California. Any exceptions or deletions from this practice are detailed in Section 11 of this report.

10.1 Conclusions

The following RECs were identified in connection with the Subject Property:

- The fill material underlying the majority of the Subject Property includes apparent burnt ash from past incineration of unknown materials. This material has the potential to contain hazardous constituents.

The following Notable Findings were identified in connection with the Subject Property:

- According to an interview performed on 11 May 2009 at the Subject Property, one UST was formerly located in the central portion of the Subject Property. This 5,000 gallon fuel UST was abandoned and closure was recorded by County of San Bernardino Fire Department. Residual hydrocarbons may be present at the property.

- Currently two gasoline ASTs are located in the central portion of the Subject Property. The potential exists for fuels to have been released to the surface near one or both ASTs.

- Circle K #1979 at 688 West Base Line Road is approximately 945 feet east-northeast of the Subject Property and is an active gasoline station that maintains USTs. Information does not exist regarding known releases associated with this site; however, the potential exists.

- A dry cleaning facility is located at 638 West Baseline Road is approximately 1,100 feet east-northeast of the Subject Property. PCE has been noted to have been used at this facility. Information does not exist regarding known releases associated with this site; however, the potential exists.

- A waste oil storage area is located in the eastern portion of the Subject Property. Information does not exist regarding known releases associated with this area; however, the potential exists.

- LBP and ACM may be present in building materials based on the age of the buildings.

10.2 Recommendations

Based on the foregoing, as well as representations made by individuals interviewed for this report, Kennedy/Jenks recommends the following:

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- Perform a limited soil sampling assessment in suspect areas of potential chemical impact. At a minimum, this assessment should evaluate the fill material, the onsite ASTs, the former UST area, and the current waste oil storage area.

- Prior to demolition of Buildings A and C (if ever), perform a LBP and ACM survey at the Subject Property to test building materials for the potential presence of LBP and ACM. However, buildings currently present on the Subject Property are not intended for demolition; and therefore LBP and ACM are not a concern for the overall project.

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Section 11: Deviations

No deviations from the ASTM 1527-05 standard were made during the preparation of this Phase I ESA.

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Section 12: Data Gaps

No data gaps were identified during the completion of this Phase I ESA that affected Kennedy/Jenks Consultants ability to identify RECs in association with the Subject Property.

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Section 13: References

Published References

City of Rialto. 4 May 2007. Road Map to Remedy Selection, Rialto-Colton Basin, 855 West Base Line Road. May 2007.

Environmental Data Resources, Inc. 22 April 2009. Radius Map with GeoCheck.

Environmental Data Resources, Inc. 21 April 2009. Sanborn Map Report.

Environmental Data Resources, Inc. April 2009. Historical Topographic Map Report.

Environmental Data Resources, Inc. April 2009. Aerial Photo Decade Package.

Environmental Data Resources, Inc. April 2009. City Directory Abstract.

Environmental Data Resources, Inc. April 2009. LienSearch Report.

John R. Byerly Incorporated. 12 May 1993. Foundation Investigation, 855 West Base Line Road, Rialto, California. May 1993.

Agency Contacts

California Department of Toxic Substances Control (DTSC), Cypress, California

California Department of Toxic Substances Control (DTSC), Glendale, California

Santa Ana Regional Water Quality Control Board (RWQCB), Riverside, California

State of California – Department of Conservation, Division of Oil, Gas, and Geothermal Resources, 3 October 2003. Oil Well Location Map, Field: Long Beach, County: Los Angeles.

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Section 14: Signature(s) of Environmental Professional(s)

I hereby certify that I have prepared this Phase I Environmental Site Assessment of the Syann Dairy located at 14950 and 14970 River Road in the City of Corona, California in accordance with the Scope and Limitation of ASTM Practice E 1527-05.

Charles Purcell, P.G.

_____

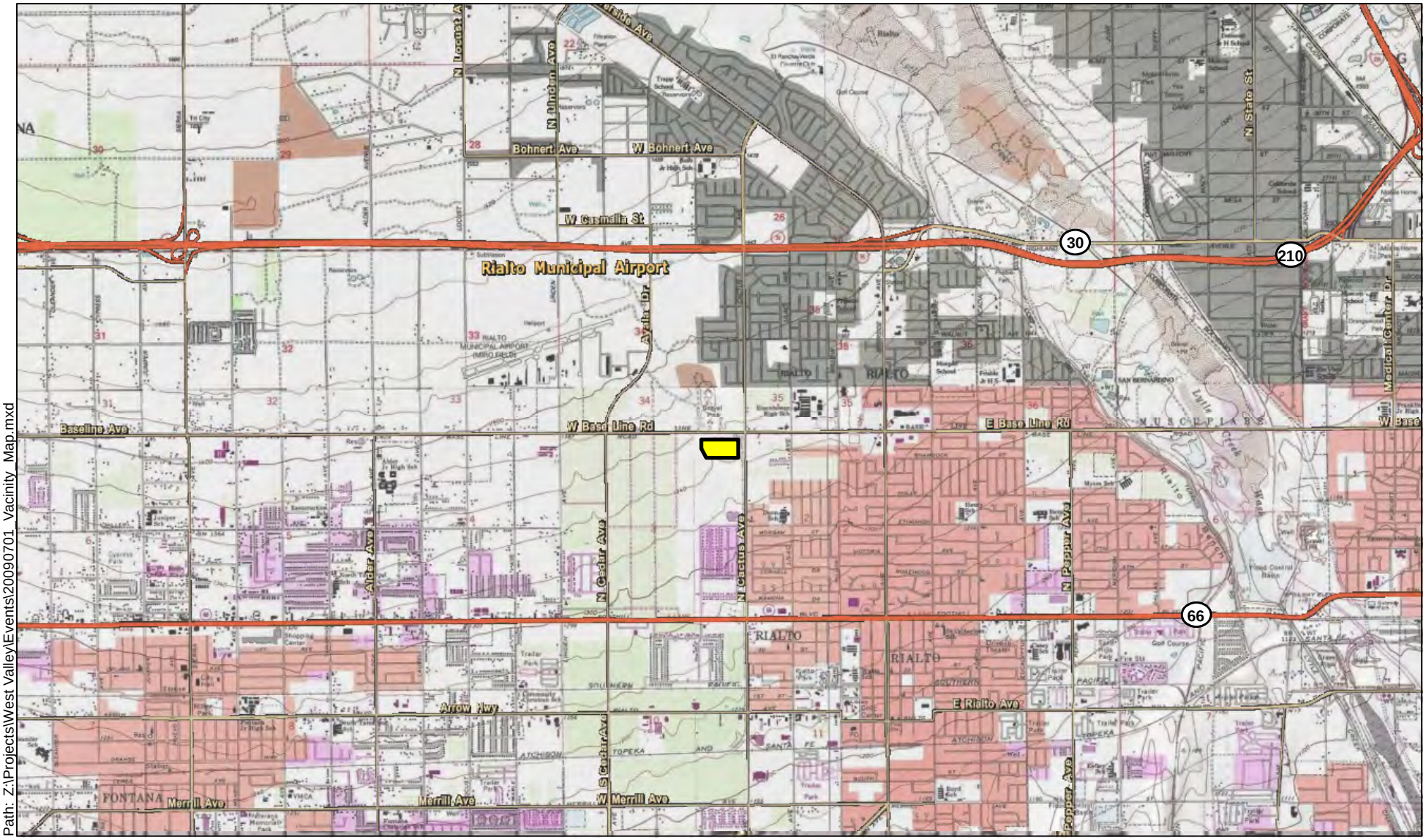
Date 12 September 2007

Nadine Stroud

_____

Date 12 September 2007

DRAFT



Path: Z:\Projects\West Valley\Events\20090701_Vacinity_Map.mxd

Source: USGS Topo Maps

N

0 2,000 4,000

Feet

Legend

Subject Property Boundary

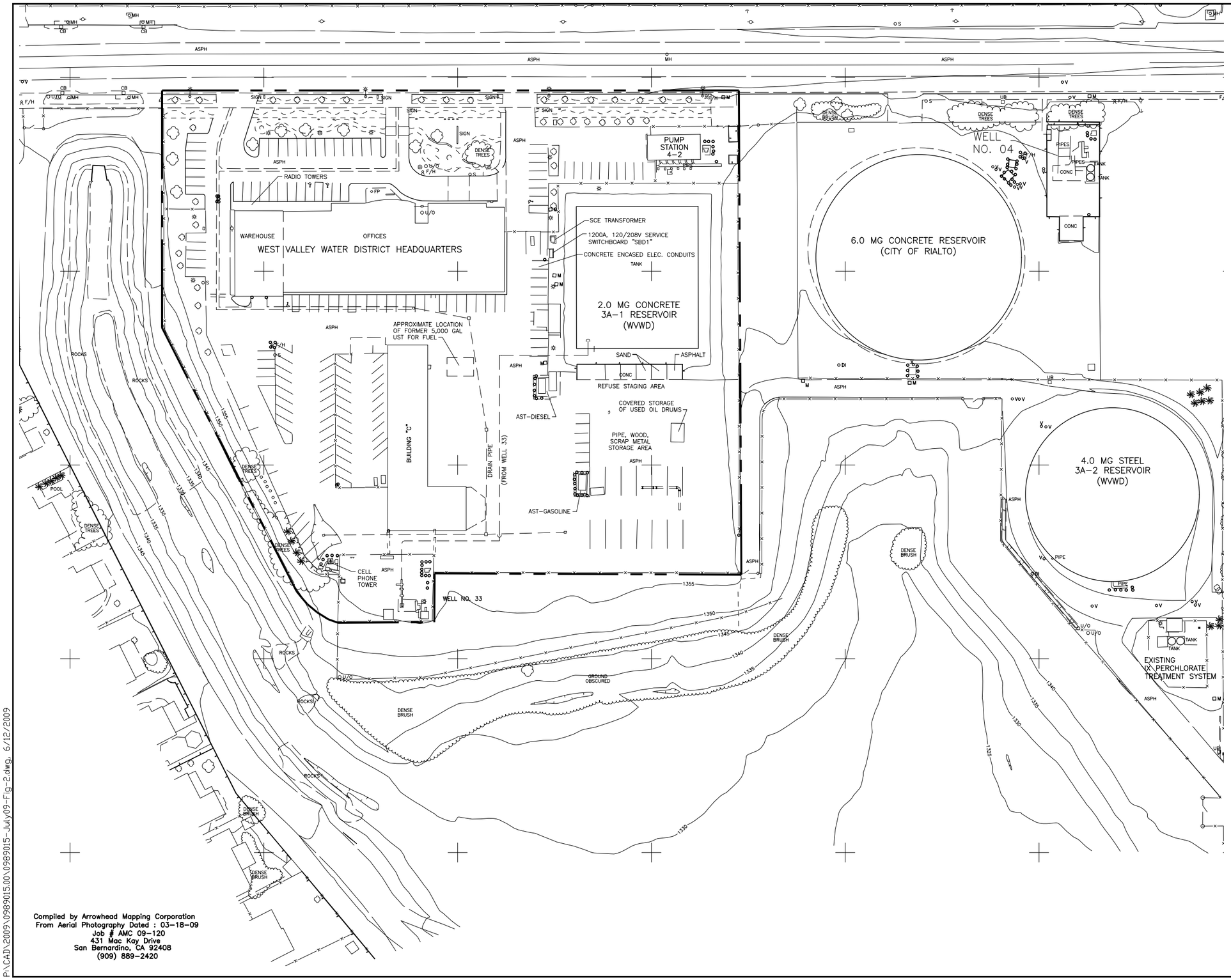
Kennedy/Jenks Consultants

West Valley Water District
Rialto, California

Subject Property Vicinity Map

KJ 0989015*00
July 2009

Figure 1



LEGEND

Approximate Boundary of Subject Property

Compiled by Arrowhead Mapping Corporation
From Aerial Photography Dated : 03-18-09
Job # AMC 09-120
431 Mac Kay Drive
San Bernardino, CA 92408
(909) 889-2420

Kennedy/Jenks Consultants

West Valley Water District
Rialto, California

Subject Property
Layout Map

July 2009
K/J 0989015*00

Figure 2

P:\CAD\2009\0989015.00\0989015-July09-Fig-2.dwg, 6/12/2009

FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Inquiry Number: 2473268.2s
April 22, 2009

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

855 WEST BASELINE ROAD
RIALTO, CA 92376

COORDINATES

Latitude (North):	34.120000 - 34˚ 7' 12.0''
Longitude (West):	117.385400 - 117˚ 23' 7.4''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	464458.4
UTM Y (Meters):	3775333.8
Elevation:	1361 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34117-A4 FONTANA, CA
Most Recent Revision:	1980
North Map:	34117-B4 DEVORE, CA
Most Recent Revision:	1988
Northeast Map:	34117-B3 SAN BERNARDINO NORTH, CA
Most Recent Revision:	1988
East Map:	34117-A3 SAN BERNARDINO SOUTH, CA
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2005
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
WEST VALLEY WTR DIST CMPLEX WELL# 855 W BASELINE RD RIALTO, CA 92377	San Bern. Co. Permit	N/A
WEST SAN BERNARDINO COUNTY WATER 855 BASELINE WEST RIALTO, CA 92377	LUST Status: Completed - Case Closed	N/A

DI-WEST SAN BDNO CWD 855 W BASE LINE RD RIALTO, CA 92376	UST	N/A
WEST VALLEY WATER DISTRICT 855 W BASELINE RIALTO, CA 92377	AST	N/A
WEST SAN BERNARDINO CO. WATER 855 W BASELINE RIALTO, CA 92376	HAZNET CA FID UST SWEEPS UST	N/A
WEST SAN BERNARDINO CO. WATER 855 W BASE LINE RD RIALTO, CA 92376	HIST UST	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System

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 - Transporters, Storage and Disposal

EXECUTIVE SUMMARY

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

SLIC..... Statewide SLIC Cases
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
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

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

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
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
CA WDS ..... Waste Discharge System
Cortese ..... "Cortese" Hazardous Waste & Substances Sites List
Notify 65 ..... Proposition 65 Records
WIP ..... Well Investigation Program Case List
EMI ..... Emissions Inventory Data
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners 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.

STANDARD ENVIRONMENTAL RECORDS

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/06/2009 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K #1979	688 W BASE LINE RD	ENE 1/8 - 1/4 (0.179 mi.)	B8	11

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/12/2008 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COMET ONE HR CLEANERS	***638 W BASELINE RD***	***ENE 1/8 - 1/4 (0.219 mi.)***	***C11***	***13***

EXECUTIVE SUMMARY

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, and dated 09/23/2008 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COMET ONE HR CLEANERS	***638 W BASELINE RD***	***ENE 1/8 - 1/4 (0.219 mi.)***	***C11***	***13***

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 01/07/2009 has revealed that there are 3 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

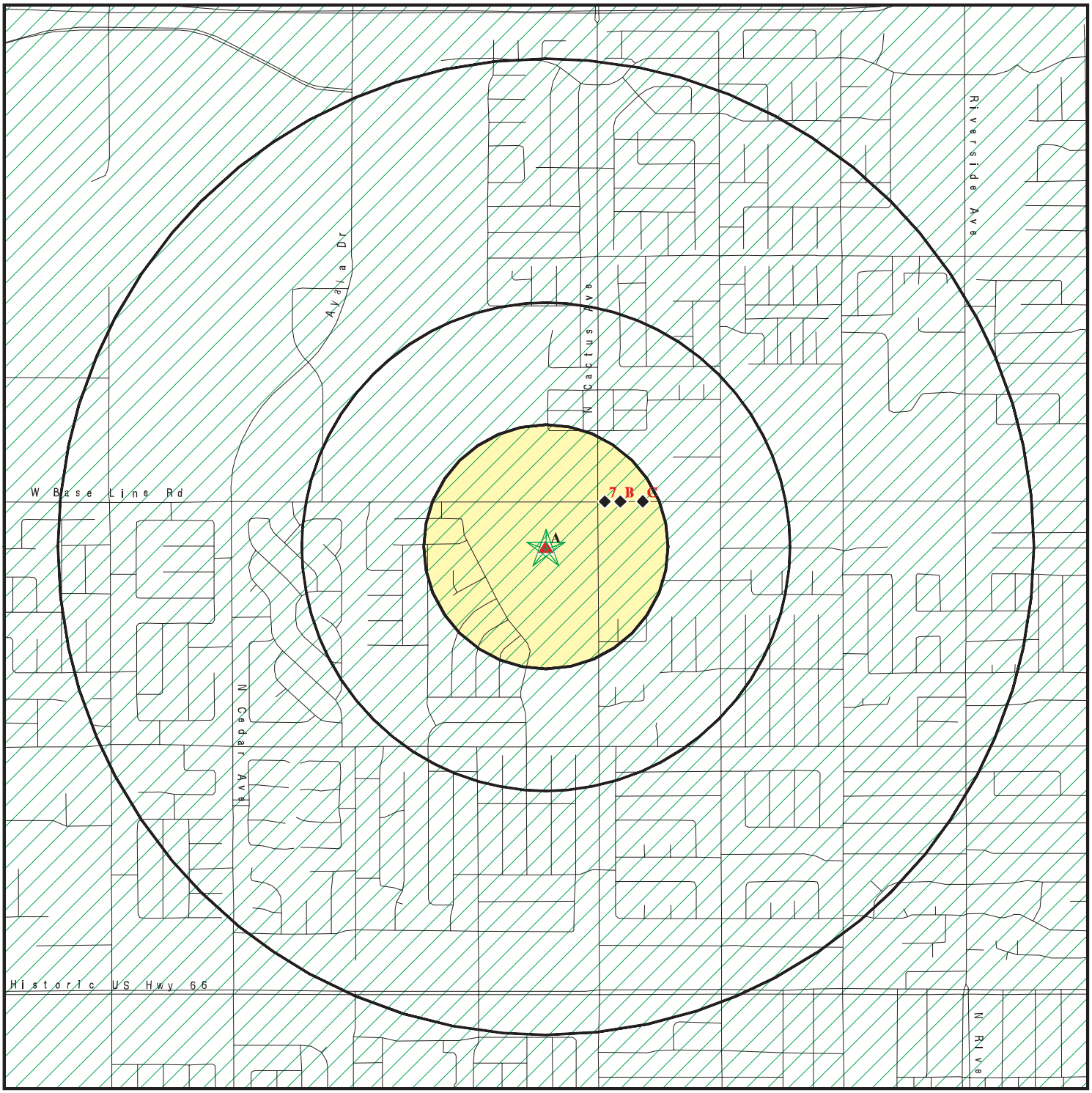
Lower Elevation	Address	Direction / Distance	Map ID	Page
CITY RIALTO WELL #4	725 W BASELINE RD	NE 1/8 - 1/4 (0.152 mi.)	7	11
CONVENIENCE RETAILERS #2701979	688 W BASELINE RD	ENE 1/8 - 1/4 (0.179 mi.)	B9	12
USA CLEANERS	638 W BASELINE RD	ENE 1/8 - 1/4 (0.219 mi.)	C10	12

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
CHEVRON STATION #5626	HAZNET, SWEEPS UST
ALLENS SHELL INC	CA FID UST, SWEEPS UST
FAIRBURN TRANSPORTATION INC	CA FID UST, SWEEPS UST
RIALTO SEWER PLANT	CA FID UST, SWEEPS UST
D & M DRUM CO	Cortese, RESPONSE, ENVIROSTOR, HIST Cal-Sites
2359 SOUTH RIVERSIDE AVE	CHMIRS, SLIC
SALES UNLIMITED	CERCLIS
AGUA MANSA LANDFILL	SWF/LF
ENER TECH ENVIRONMENTAL CALIFORNIA	SWF/LF
FORMER UNION 76 STATION	LUST
RIALTO PLANT	EMI, San Bern. Co. Permit, CA WDS
CITY RIALTO BOOSTERS 1 & 2	San Bern. Co. Permit
GOD CARES AND OPEN DOOR	San Bern. Co. Permit
U S FLEET SERVICES	San Bern. Co. Permit

OVERVIEW MAP - 2473268.2s



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 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: FBR Treatment Plant	CLIENT: Kennedy/Jenks Consultants
ADDRESS: 855 West Baseline Road Rialto CA 92376	CONTACT: Nadine Stroud INQUIRY #: 2473268.2s
LAT/LONG: 34.1200 / 117.3854	DATE: April 22, 2009 7:20 am

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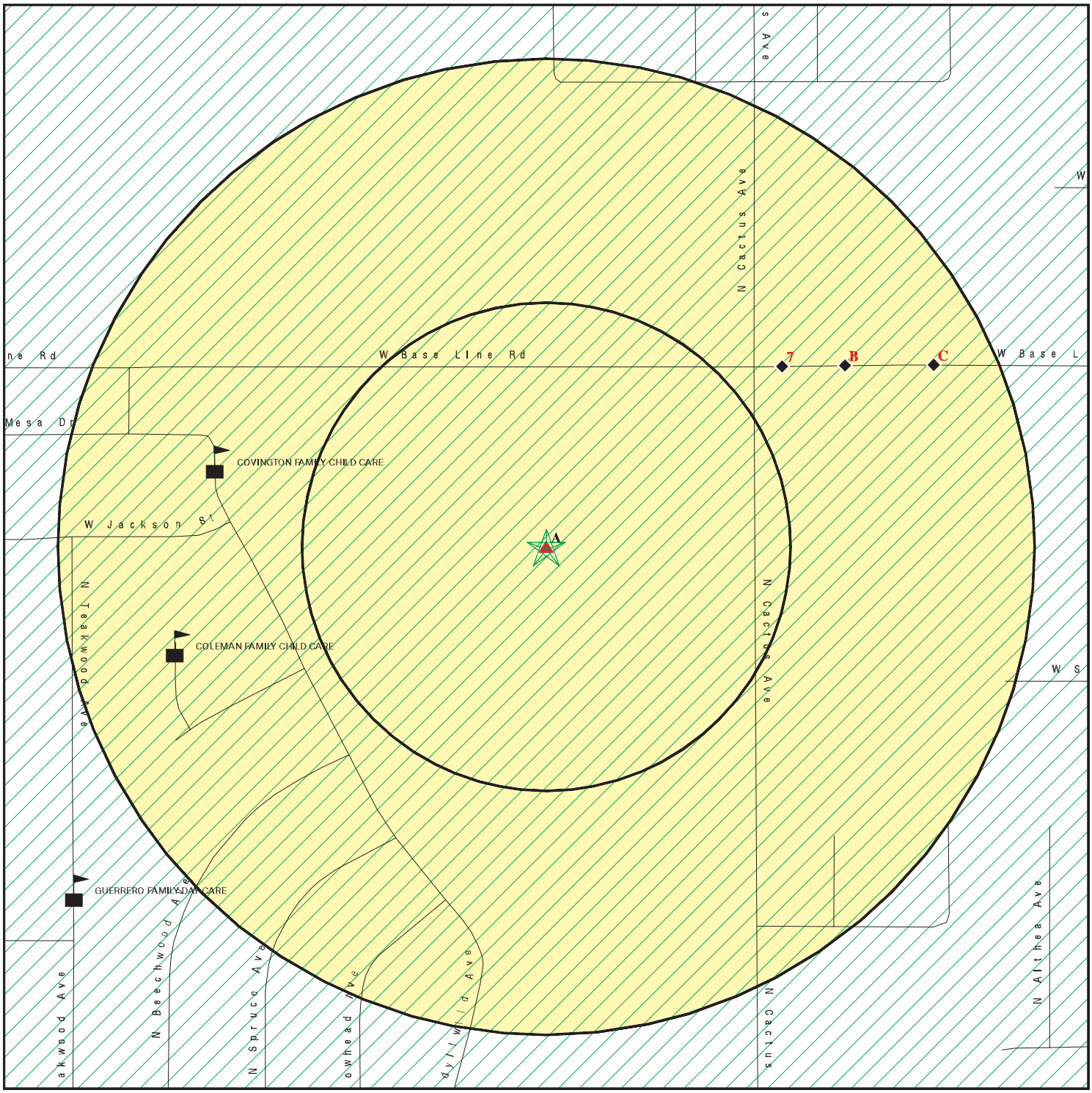
DETAIL MAP - 2473268.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 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: FBR Treatment Plant	CLIENT: Kennedy/Jenks Consultants
ADDRESS: 855 West Baseline Road Rialto CA 92376	CONTACT: Nadine Stroud INQUIRY #: 2473268.2s
LAT/LONG: 34.1200 / 117.3854	DATE: April 22, 2009 7:21 am

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MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
UST	X	0.250	0	1	NR	NR	NR	1
AST	X	0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		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
Local Lists of Registered Storage Tanks								
CA FID UST	X	0.250	0	0	NR	NR	NR	0
HIST UST	X	0.250	0	0	NR	NR	NR	0
SWEEPS UST	X	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
MCS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	1	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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
CA WDS		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
WIP		0.250	0	0	NR	NR	NR	0
San Bern. Co. Permit	X	0.250	0	3	NR	NR	NR	3
HAZNET	X	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
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
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

A1 Target Property | **WEST VALLEY WTR DIST CMPLEX WELL#33**
855 W BASELINE RD
RIALTO, CA 92377 | **San Bern. Co. Permit** | **S104765797**
N/A

Site 1 of 6 in cluster A

Actual: 1361 ft.

San Bern. Co. Permit:

Region:	SAN BERNARDINO
Facility ID:	FA0002723
Owner:	WEST VALLEY WATER DISTRICT
Permit Number:	PT0013497
Permit Category:	ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status:	ACTIVE
Expiration Date:	7/31/2008 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002723
Owner:	WEST VALLEY WATER DISTRICT
Permit Number:	PT0013496
Permit Category:	SPECIAL GENERATOR(B)
Facility Status:	ACTIVE
Expiration Date:	7/31/2009 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002723
Owner:	WEST VALLEY WATER DISTRICT
Permit Number:	PT0002001
Permit Category:	HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status:	ACTIVE
Expiration Date:	7/31/2009 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002723
Owner:	WEST VALLEY WATER DISTRICT
Permit Number:	PT0001999
Permit Category:	CALARP FACILITY PERMIT
Facility Status:	INACTIVE
Expiration Date:	7/31/2003 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002723
Owner:	WEST VALLEY WATER DISTRICT
Permit Number:	PT0012199
Permit Category:	UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status:	INACTIVE
Expiration Date:	7/31/2003 12:00:00AM

A2 Target Property | **WEST SAN BERNARDINO COUNTY WATER DISTRICT**
855 BASELINE WEST
RIALTO, CA 92377 | **LUST** | **S106387359**
N/A

Site 2 of 6 in cluster A

Actual: 1361 ft.

LUST:

Region:	STATE
Global Id:	T0607185912
Latitude:	0
Longitude:	0
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed

WEST SAN BERNARDINO COUNTY WATER DISTRICT (Continued) **S106387359**

Status Date:	2003-08-20 00:00:00
Lead Agency:	SAN BERNARDINO COUNTY LOP
Case Worker:	Not reported
Local Agency:	SAN BERNARDINO COUNTY LOP
RB Case Number:	083603976T
LOC Case Number:	2003012
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminats of Concern:	Gasoline, Fuel Oxygenates
Site History:	Not reported

LUST REG 8:

Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083603976T
Local Case Num:	2003012
Case Type:	Soil only
Substance:	8006619, MTB
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	CACTUS
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Close Tank
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607185912
How Stopped Date:	3/12/2003
Enter Date:	Not reported
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	3/12/2003
Enforcement Date:	Not reported
Close Date:	8/20/2003
Workplan:	Not reported
Pollution Char:	3/26/2003
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	Not reported
GW Qualifies:	Not reported
Soil Qualifies:	=
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	0
Longitude:	0
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	1.2
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected

WEST SAN BERNARDINO COUNTY WATER DISTRICT (Continued) **S106387359**

MTBE Class: *
Staff: Not reported
Staff Initials: LH6
Lead Agency: Local Agency
Local Agency: 36000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: A2
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

A3 Target Property **DI-WEST SAN BDNO CWD** **UST** **U003784641**
855 W BASE LINE RD **N/A**
RIALTO, CA 92376

Site 3 of 6 in cluster A

Actual: 1361 ft.

UST:
Global ID: 14540
Latitude: 34.12132
Longitude: -117.3858

A4 Target Property **WEST VALLEY WATER DISTRICT** **AST** **A100325441**
855 W BASELINE **N/A**
RIALTO, CA 92377

Site 4 of 6 in cluster A

Actual: 1361 ft.

AST:
Owner: WEST VALLEY WATER DISTRICT
Total Gallons: 5,395
Comments: Add

A5 Target Property **WEST SAN BERNARDINO CO. WATER** **HAZNET** **S101619412**
855 W BASELINE **CA FID UST** **N/A**
RIALTO, CA 92376 **SWEEPS UST**

Site 5 of 6 in cluster A

Actual: 1361 ft.

HAZNET:
Gepaid: CAC002562149
Contact: LON TSAI
Telephone: 9098751804
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 920
Mailing City,St,Zip: RIALTO, CA 92377
Gen County: San Bernardino
TSD EPA ID: CAT080013352
TSD County: San Bernardino
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 2.08
Facility County: San Bernardino

WEST SAN BERNARDINO CO. WATER (Continued) **S101619412**

CA FID UST:

Facility ID:	36002071
Regulated By:	UTNKA
Regulated ID:	00042476
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIALTO 92376
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	A
Comp Number:	42476
Number:	9
Board Of Equalization:	44-021016
Ref Date:	09-10-91
Act Date:	09-10-91
Created Date:	02-29-88
Tank Status:	A
Owner Tank Id:	1
Swrcb Tank Id:	36-000-042476-000001
Actv Date:	07-01-85
Capacity:	1000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	1

A6 Target Property **WEST SAN BERNARDINO CO. WATER** **HIST UST** **U001575571**
855 W BASE LINE RD **N/A**
RIALTO, CA 92376

Site 6 of 6 in cluster A

Actual: 1361 ft.

HIST UST:

Region:	STATE
Facility ID:	00000042476
Facility Type:	Other
Other Type:	WATER DISTRICT
Total Tanks:	0001
Contact Name:	ANTHONY W. ARAIZA
Telephone:	7148759056
Owner Name:	WEST SAN BERNARDINO COUNTY WAT
Owner Address:	855 WEST BASELINE
Owner City,St,Zip:	RIALTO, CA 92376
Tank Num:	001
Container Num:	1

WEST SAN BERNARDINO CO. WATER (Continued) **U001575571**

Year Installed:	1975
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

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7 **CITY RIALTO WELL #4** **San Bern. Co. Permit** **S106803195**
NE **725 W BASELINE RD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.152 mi.
803 ft.

Relative:
Lower

Actual:
1356 ft.

San Bern. Co. Permit:

Region:	SAN BERNARDINO
Facility ID:	FA0002079
Owner:	CITY OF RIALTO
Permit Number:	PT0006068
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	7/31/2007 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002079
Owner:	CITY OF RIALTO
Permit Number:	PT0016227
Permit Category:	RISK MANAGEMENT PLAN - LEVEL II
Facility Status:	INACTIVE
Expiration Date:	7/31/2007 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002079
Owner:	CITY OF RIALTO
Permit Number:	PT0016226
Permit Category:	EPCRA FACILITY
Facility Status:	INACTIVE
Expiration Date:	7/31/2007 12:00:00AM

Region:	SAN BERNARDINO
Facility ID:	FA0002079
Owner:	CITY OF RIALTO
Permit Number:	PT0006069
Permit Category:	CALARP FACILITY PERMIT
Facility Status:	INACTIVE
Expiration Date:	7/31/2007 12:00:00AM

B8 **CIRCLE K #1979** **UST** **U003939124**
ENE **688 W BASE LINE RD** **N/A**
1/8-1/4 **RIALTO, CA 92376**
0.179 mi.
945 ft. **Site 1 of 2 in cluster B**

Relative:
Lower

Actual:
1356 ft.

UST:

Global ID:	15116
Latitude:	34.12136
Longitude:	-117.38276

B9 ENE 1/8-1/4 0.179 mi. 945 ft. | **CONVENIENCE RETAILERS #2701979**
688 W BASELINE RD
RIALTO, CA 92376

San Bern. Co. Permit | **S104765176**
N/A

Site 2 of 2 in cluster B

Relative: Lower

Actual: 1356 ft.

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0002148
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0010872
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 7/31/2009 12:00:00AM

Region: SAN BERNARDINO
Facility ID: FA0002148
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0010870
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 7/31/2009 12:00:00AM

Region: SAN BERNARDINO
Facility ID: FA0002148
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0010871
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 7/31/2009 12:00:00AM

Region: SAN BERNARDINO
Facility ID: FA0002148
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0004234
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 7/31/2009 12:00:00AM

Region: SAN BERNARDINO
Facility ID: FA0002148
Owner: CONVENIENCE RETAILERS, LLC
Permit Number: PT0020259
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 7/31/2009 12:00:00AM

C10 ENE 1/8-1/4 0.219 mi. 1158 ft. | **USA CLEANERS**
638 W BASELINE RD
RIALTO, CA 92376

San Bern. Co. Permit | **S106112253**
N/A

Site 1 of 2 in cluster C

Relative: Lower

Actual: 1355 ft.

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0002446
Owner: PATEL, PRAKASH
Permit Number: PT0006923
Permit Category: SPECIAL GENERATOR(B)
Facility Status: INACTIVE

USA CLEANERS (Continued) **S106112253**

Expiration Date: 11/30/2006 12:00:00AM

Region: SAN BERNARDINO
Facility ID: FA0002446
Owner: PATEL, PRAKASH
Permit Number: PT0006922
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 11/30/2006 12:00:00AM

C11 **COMET ONE HR CLEANERS** **FINDS** **1000596198**
ENE **638 W BASELINE RD** **HAZNET** **CAD983601618**
1/8-1/4 **RIALTO, CA 92376** **DRYCLEANERS**
0.219 mi. **RCRA-NonGen**
1158 ft. **Site 2 of 2 in cluster C**

Relative:
Lower

Actual:
1355 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

Registry ID: 110002857980

California - Hazardous Waste Tracking System - Datamart

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

HAZNET:
Gepaid: CAD983601618
Contact: ALDERMAN ZAHM
Telephone: 7148740774
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 638 W BASE LINE RD
Mailing City,St,Zip: RIALTO, CA 923763224
Gen County: San Bernardino
TSD EPA ID: CAD981397417
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Recycler
Tons: 0
Facility County: San Bernardino

Gepaid: CAD983601618
Contact: ALDERMAN ZAHM
Telephone: 7148740774
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 638 W BASE LINE RD
Mailing City,St,Zip: RIALTO, CA 923763224
Gen County: San Bernardino
TSD EPA ID: CAD981397417
TSD County: Los Angeles

COMET ONE HR CLEANERS (Continued) **1000596198**

Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Tons: 2.0213
Facility County: San Bernardino

Gepaid: CAD983601618
Contact: PRAKASH PATEL
Telephone: 9098740774
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3950 BELFRY CIR
Mailing City,St,Zip: CORONA, CA 92883
Gen County: San Bernardino
TSD EPA ID: NVR000076158
TSD County: 99
Waste Category: Not reported
Disposal Method: Recycler
Tons: Not reported
Facility County: San Bernardino

Gepaid: CAD983601618
Contact: ALDERMAN ZAHM
Telephone: 7148740774
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 638 W BASE LINE RD
Mailing City,St,Zip: RIALTO, CA 923763224
Gen County: San Bernardino
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Still bottoms with halogenated organics
Disposal Method: Disposal, Other
Tons: .3250
Facility County: San Bernardino

Gepaid: CAD983601618
Contact: ALDERMAN ZAHM
Telephone: 7148740774
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 638 W BASE LINE RD
Mailing City,St,Zip: RIALTO, CA 923763224
Gen County: San Bernardino
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Recycler
Tons: .7500
Facility County: San Bernardino

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

CLEANERS:
EPA Id: CAL000303136
NAICS Code: 333312

COMET ONE HR CLEANERS (Continued) **1000596198**

NAICS Description: Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing
SIC Code: 3582
Create Date: 2/8/2006 1:38:33 PM
Facility Active: No
Inactive Date: 6/30/2006 10:14:52 AM
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 638 W BASE LINE RD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 923763224
Region Code: 4
Owner Name: CATHERINE P MAURER
Owner Address: 638 W BASE LINE RD
Owner Address 2: Not reported
Owner Telephone: 9098740774
Owner Fax Number: Not reported
Contact Name: CATHERINE P MAURER
Contact Address: 638 W BASE LINE RD
Contact Address 2: Not reported
Contact Telephone: 9098740774
SIC Description: 3582 Commercial Laundry, Drycleaning and Pressing Machines

RCRA-NonGen:
Date form received by agency: 08/12/1991
Facility name: COMET ONE HR CLEANERS
Facility address: 638 W BASELINE RD
RIALTO, CA 92376
EPA ID: CAD983601618
Mailing address: 3950 BELFRY CIR
CORONA, CA 92883
Contact: PRAKASH PATEL
Contact address: 3950 BELFRY CIR
CORONA, CA 92883
Contact country: US
Contact telephone: 951-258-7100
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ALDERMAN ZAHM
Owner/operator address: 638 W BASELINE
RIALTO, CA 92376
Owner/operator country: Not reported
Owner/operator telephone: (714) 874-0774
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

COMET ONE HR CLEANERS (Continued) **1000596198**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Violation Status: No violations found

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
RIALTO	S105964603	AGUA MANSA LANDFILL	588 EAST AGUA MANSA ROAD		SWF/LF
RIALTO	S106105315	RIALTO PLANT	2601 N ALDER AVE		EMI, San Bern. Co. Permit, CA WDS
RIALTO	S102814841	CHEVRON STATION #5626	115 E BASELINE	92376	HAZNET, SWEEPS UST
RIALTO	S106027604	ALLENS SHELL INC	115 N BASELINE	92376	CA FID UST, SWEEPS UST
RIALTO	S106910749	CITY RIALTO BOOSTERS 1 & 2	2301 W BASELINE AVE	92376	San Bern. Co. Permit
RIALTO	S107030289	GOD CARES AND OPEN DOOR	2646 W BASELINE AVE	92376	San Bern. Co. Permit
RIALTO	S105960699	FORMER UNION 76 STATION	120 BASELINE RD.WEST	92376	LUST
RIALTO	S101619233	FAIRBURN TRANSPORTATION INC	1771 S CACTUS	92376	CA FID UST, SWEEPS UST
RIALTO	S106911158	U S FLEET SERVICES	2143 CACTUS AVE	92376	San Bern. Co. Permit
RIALTO	S105838318	D & M DRUM CO	137 LILAC AVENUE	92376	Cortese, RESPONSE, ENVIROSTOR, HIST Cal-Sites
RIALTO	1010782140	SALES UNLIMITED	491 RIALTO AVE.	92376	CERCLIS
RIALTO	S105668867		2359 SOUTH RIVERSIDE AVE		CHMIRS, SLIC
RIALTO	S101619408	RIALTO SEWER PLANT	501 E SANTA ANA	92376	CA FID UST, SWEEPS UST
RIALTO	S108239507	ENER TECH ENVIRONMENTAL CALIFORNIA	501 EAST SANTA AVENUE		SWF/LF

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: 02/02/2009
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 46

Source: EPA
Telephone: N/A
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/27/2009
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: 02/02/2009
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 46

Source: EPA
Telephone: N/A
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 02/02/2009	Source: EPA
Date Data Arrived at EDR: 02/12/2009	Telephone: N/A
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 04/20/2009
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/27/2009
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/07/2008	Source: EPA
Date Data Arrived at EDR: 10/16/2008	Telephone: 703-412-9810
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 04/17/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 07/13/2009
	Data Release Frequency: Quarterly

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: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 03/16/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/15/2009
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/17/2008	Source: EPA
Date Data Arrived at EDR: 12/22/2008	Telephone: 800-424-9346
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/03/2009
Number of Days to Update: 98	Next Scheduled EDR Contact: 06/01/2009
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, 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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

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: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/20/2009
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: 02/23/2009
Date Data Arrived at EDR: 02/24/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 02/23/2009
Date Data Arrived at EDR: 02/24/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/09/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 03/10/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 02/02/2009
Next Scheduled EDR Contact: 05/04/2009
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
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 03/03/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

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: 01/06/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 19

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

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

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

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

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

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

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

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
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: 01/06/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 19

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
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: 02/16/2009
Next Scheduled EDR Contact: 05/18/2008
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: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
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: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
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: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 03/03/2009
Next Scheduled EDR Contact: 06/01/2009
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: 03/03/2009
Next Scheduled EDR Contact: 05/18/2009
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: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Annually

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

Date of Government Version: 03/03/2009
Date Data Arrived at EDR: 03/04/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 03/13/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
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: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

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

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

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

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/15/2009
Date Data Arrived at EDR: 02/27/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/03/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 20

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/20/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/06/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/30/2009
Number of Days to Update: 22

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Semi-Annually

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

Date of Government Version: 11/01/2007
Date Data Arrived at EDR: 02/10/2009
Date Made Active in Reports: 04/14/2009
Number of Days to Update: 63

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
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: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/25/2008
Date Data Arrived at EDR: 11/26/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 27

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/20/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 03/13/2009
Date Data Arrived at EDR: 03/17/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 03/03/2009
Date Data Arrived at EDR: 03/04/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/15/2008
Date Data Arrived at EDR: 12/16/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 90

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 02/23/2009
Date Data Arrived at EDR: 02/24/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008
Date Data Arrived at EDR: 11/14/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 07/13/2009
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: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 03/04/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Quarterly

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 19

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 12/22/2008
Date Data Arrived at EDR: 12/22/2008
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 36

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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: 07/01/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 53

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/26/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
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: 02/23/2009
Date Data Arrived at EDR: 02/24/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2009
Next Scheduled EDR Contact: 05/25/2009
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: 09/30/2008
Date Data Arrived at EDR: 10/06/2008
Date Made Active in Reports: 10/13/2008
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/03/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/29/2008
Date Data Arrived at EDR: 12/29/2008
Date Made Active in Reports: 01/30/2009
Number of Days to Update: 32

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/20/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/03/2009
Next Scheduled EDR Contact: 05/18/2009
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
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/09/2009
Next Scheduled EDR Contact: 06/08/2009
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: 02/13/2009
Date Data Arrived at EDR: 02/17/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 50

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/02/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 09/30/2008
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 34

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/16/2009
Next Scheduled EDR Contact: 07/13/2009
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: 12/31/2007
Date Data Arrived at EDR: 05/09/2008
Date Made Active in Reports: 06/20/2008
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
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: 01/06/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 19

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
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: 01/06/2009
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 19

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

Other Ascertainable Records

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: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/24/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/06/2009
Next Scheduled EDR Contact: 05/04/2009
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: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 11/03/2008
Date Data Arrived at EDR: 01/06/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/21/2009
Next Scheduled EDR Contact: 07/20/2009
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: 10/21/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 55

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
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: 10/31/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 97

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/24/2009
Next Scheduled EDR Contact: 06/22/2009
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: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 04/09/2009
Next Scheduled EDR Contact: 06/15/2009
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: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/14/2009
Next Scheduled EDR Contact: 07/13/2009
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: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
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: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 12/04/2008
Next Scheduled EDR Contact: 07/13/2009
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: 07/31/2008
Date Data Arrived at EDR: 08/13/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
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: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/02/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/07/2009
Date Data Arrived at EDR: 01/15/2009
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 74

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 10/28/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/27/2009
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: 10/30/2008
Date Data Arrived at EDR: 10/31/2008
Date Made Active in Reports: 12/23/2008
Number of Days to Update: 53

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

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: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/19/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA 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: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Quarterly

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). This listing is no longer updated by the state agency.

Date of Government Version: 01/21/2009
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

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: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 09/23/2008
Date Data Arrived at EDR: 09/24/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 5

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 03/30/2009
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: 10/31/2008
Date Data Arrived at EDR: 11/03/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 23

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 01/23/2009
Next Scheduled EDR Contact: 04/19/2009
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: 12/31/2007
Date Data Arrived at EDR: 02/17/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 50

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 02/17/2009
Next Scheduled EDR Contact: 05/04/2009
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: 12/31/2006
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 41

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 04/17/2009
Next Scheduled EDR Contact: 04/13/2009
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/06/2009
Next Scheduled EDR Contact: 05/04/2009
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: 12/08/2008
Date Data Arrived at EDR: 12/09/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 97

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 05/11/2009
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: 02/06/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: N/A

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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR 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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR 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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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: 01/23/2009
Date Data Arrived at EDR: 01/23/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/23/2009
Date Data Arrived at EDR: 01/23/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 76

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
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: 02/24/2009
Date Data Arrived at EDR: 02/25/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 42

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/14/2009
Date Data Arrived at EDR: 01/15/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 12

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 02/02/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 9

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/01/2009
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: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/26/2008
Date Data Arrived at EDR: 01/27/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 71

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 11/10/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 63

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 02/11/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 03/10/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Varies

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

Date of Government Version: 02/14/2008
Date Data Arrived at EDR: 04/10/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 26

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/09/2009
Date Data Arrived at EDR: 02/17/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 51

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 02/09/2009
Next Scheduled EDR Contact: 05/11/2009
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
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 02/20/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/23/2009
Date Data Arrived at EDR: 02/24/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 44

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/11/2009
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 02/05/2009
Date Data Arrived at EDR: 02/17/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 51

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
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: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Semi-Annually

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: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/02/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 21

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/05/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/02/2009
Date Data Arrived at EDR: 03/27/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 12

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/05/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/02/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 22

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 01/26/2009
Date Data Arrived at EDR: 02/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 57

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 04/03/2009
Next Scheduled EDR Contact: 06/29/2009
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: 11/06/2008
Date Data Arrived at EDR: 11/17/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 9

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/20/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 48

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 01/30/2009
Date Data Arrived at EDR: 02/03/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 64

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 01/30/2009
Date Data Arrived at EDR: 02/03/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 64

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/30/2009
Next Scheduled EDR Contact: 04/27/2009
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.

Date of Government Version: 01/07/2009
Date Data Arrived at EDR: 01/09/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 18

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 03/03/2009
Next Scheduled EDR Contact: 06/01/2009
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: 07/16/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 28

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/03/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2008
Date Data Arrived at EDR: 12/23/2008
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 11/17/2008
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: 01/22/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 8

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/31/2009
Next Scheduled EDR Contact: 06/29/2009
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

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

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Quarterly

Underground Storage Tank Information

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: 10/01/2008
Number of Days to Update: 12

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/10/2009
Date Data Arrived at EDR: 02/25/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 43

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
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: 01/29/2009
Date Data Arrived at EDR: 01/30/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 68

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 01/06/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
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
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 12/29/2008
Date Data Arrived at EDR: 12/29/2008
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 29

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/03/2009
Date Data Arrived at EDR: 03/03/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 36

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 03/03/2009
Next Scheduled EDR Contact: 06/01/2009
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 01/09/2009
Date Data Arrived at EDR: 01/30/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 01/09/2009
Date Data Arrived at EDR: 02/03/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 65

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
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: 01/20/2009
Date Data Arrived at EDR: 01/21/2009
Date Made Active in Reports: 01/27/2009
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 04/01/2009
Date Data Arrived at EDR: 04/02/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 7

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/30/2009
Next Scheduled EDR Contact: 06/29/2009
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: 02/26/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 8

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/10/2009
Next Scheduled EDR Contact: 06/08/2009
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: 08/01/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/18/2008
Number of Days to Update: 14

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/16/2009
Next Scheduled EDR Contact: 05/18/2009
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/09/2009
Next Scheduled EDR Contact: 06/08/2009
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: 12/29/2008
Date Data Arrived at EDR: 01/08/2009
Date Made Active in Reports: 01/30/2009
Number of Days to Update: 22

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/08/2009
Next Scheduled EDR Contact: 07/06/2009
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/14/2009
Date Data Arrived at EDR: 02/06/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 62

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 04/13/2009
Next Scheduled EDR Contact: 07/13/2009
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: 12/31/2006
Date Data Arrived at EDR: 12/11/2008
Date Made Active in Reports: 03/19/2009
Number of Days to Update: 98

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/13/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 12/04/2007
Date Made Active in Reports: 12/31/2007
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 02/20/2009
Next Scheduled EDR Contact: 05/04/2009
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/27/2009
Date Data Arrived at EDR: 02/25/2009
Date Made Active in Reports: 03/12/2009
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/25/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/11/2008
Date Made Active in Reports: 10/02/2008
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/09/2009
Next Scheduled EDR Contact: 06/08/2009
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/11/2009
Number of Days to Update: 27

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/16/2009
Next Scheduled EDR Contact: 06/15/2009
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/08/2008
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/07/2009
Next Scheduled EDR Contact: 07/06/2009
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: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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

FBR TREATMENT PLANT
855 WEST BASELINE ROAD
RIALTO, CA 92376

TARGET PROPERTY COORDINATES

Latitude (North):	34.12000 - 34˚ 7' 12.0''
Longitude (West):	117.3854 - 117˚ 23' 7.4''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	464458.4
UTM Y (Meters):	3775333.8
Elevation:	1361 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34117-A4 FONTANA, CA
Most Recent Revision:	1980
North Map:	34117-B4 DEVORE, CA
Most Recent Revision:	1988
Northeast Map:	34117-B3 SAN BERNARDINO NORTH, CA
Most Recent Revision:	1988
East Map:	34117-A3 SAN BERNARDINO SOUTH, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

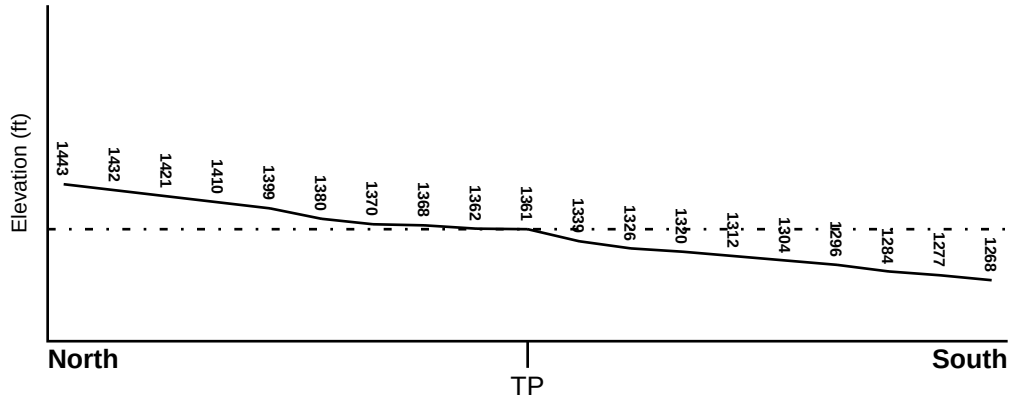
TOPOGRAPHIC INFORMATION

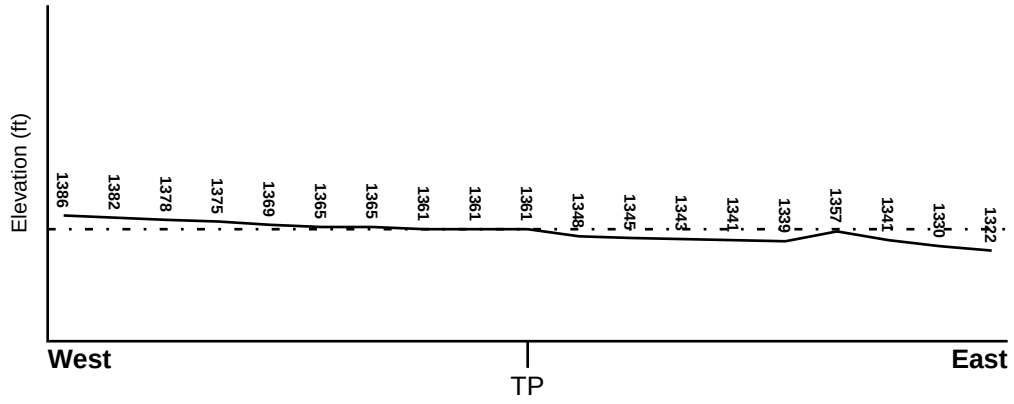
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 1361 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN BERNARDINO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06071C8660F

Additional Panels in search area: 06071C7920F
06071C7940F
06071C8676F

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
12	1/2 - 1 Mile East	Not Reported
15	1/2 - 1 Mile East	N

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

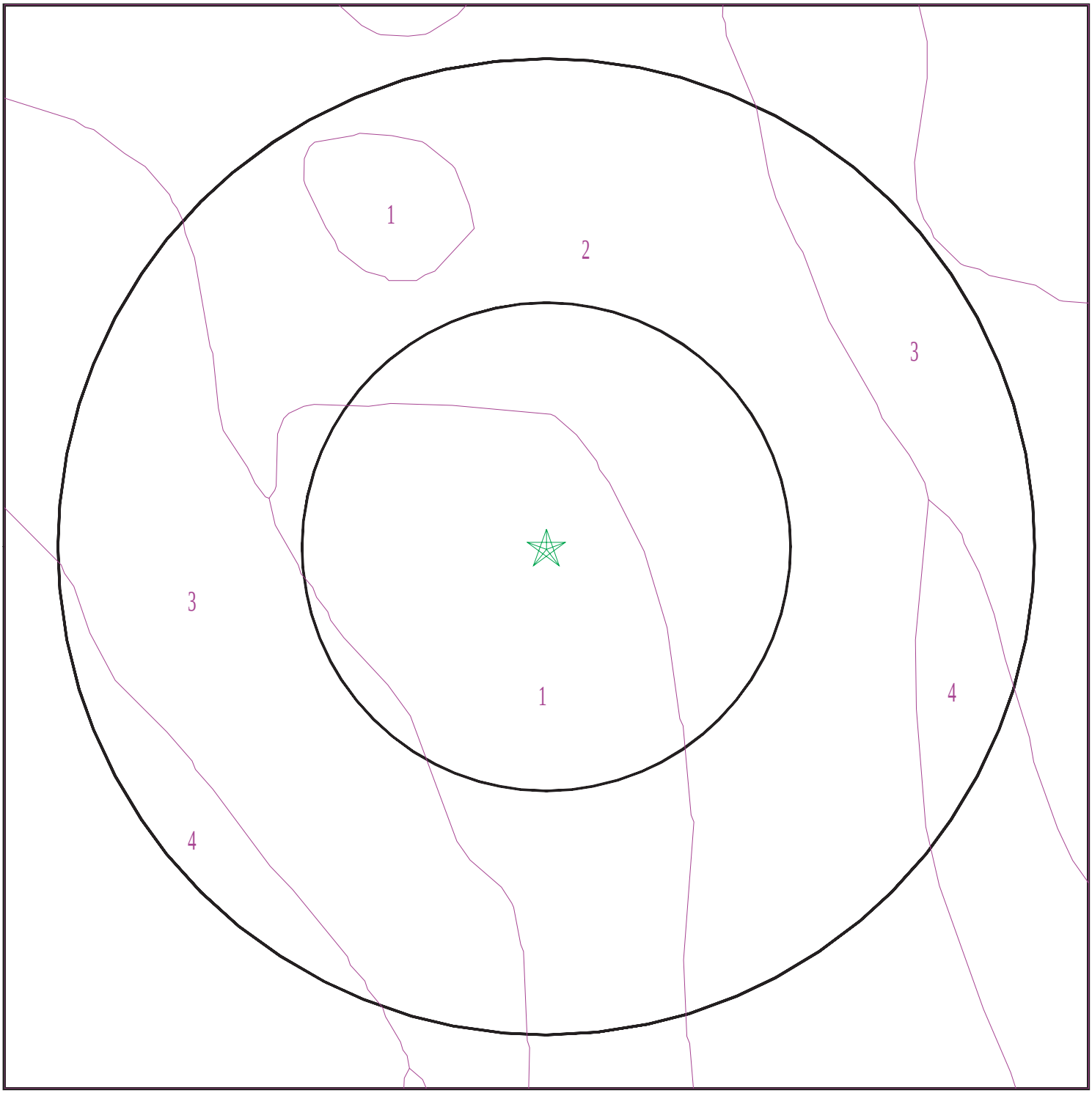
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

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 - 2473268.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	FBR Treatment Plant	CLIENT:	Kennedy/Jenks Consultants
ADDRESS:	855 West Baseline Road Rialto CA 92376	CONTACT:	Nadine Stroud
		INQUIRY #:	2473268.2s
LAT/LONG:	34.1200 / 117.3854	DATE:	April 22, 2009 7:21 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: PITS

Soil Surface Texture: very gravelly coarse sand

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

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	extremely gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141 Min: 42	Max: Min:

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

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

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	35 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1
2	35 inches	59 inches	gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Hanford

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 4

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

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

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS3134694	0 - 1/8 Mile NW
B8	USGS3134722	1/2 - 1 Mile East
9	USGS3290490	1/2 - 1 Mile South
C11	USGS3134850	1/2 - 1 Mile ESE
13	USGS3134818	1/2 - 1 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

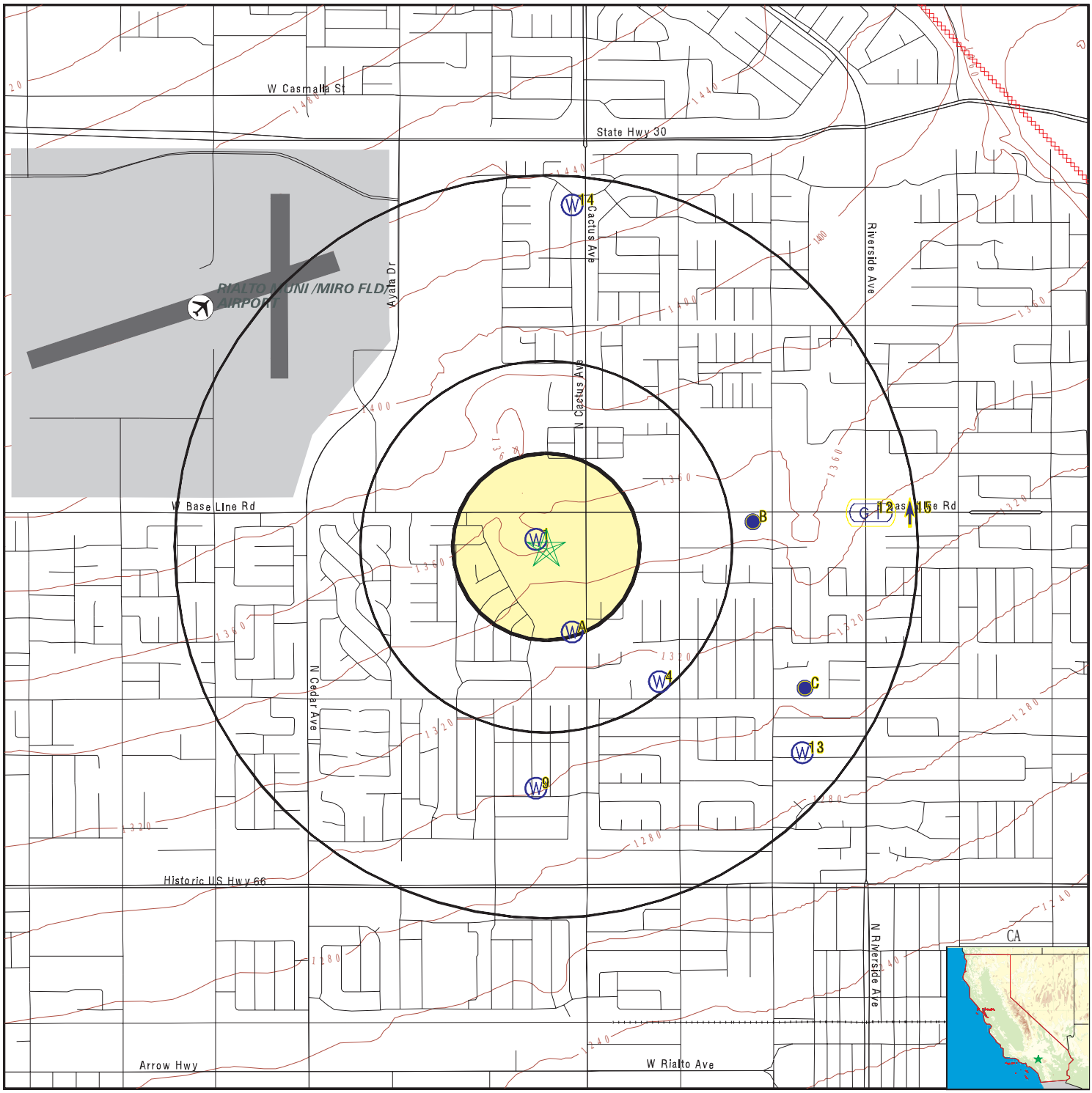
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	979	1/8 - 1/4 Mile SSE
A3	982	1/8 - 1/4 Mile SSE
4	996	1/4 - 1/2 Mile SE
B5	CADW20000006866	1/2 - 1 Mile East
B6	23574	1/2 - 1 Mile East
B7	23575	1/2 - 1 Mile East
C10	CADW20000006815	1/2 - 1 Mile ESE
14	201	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 2473268.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	FBR Treatment Plant	CLIENT:	Kennedy/Jenks Consultants
ADDRESS:	855 West Baseline Road Rialto CA 92376	CONTACT:	Nadine Stroud
		INQUIRY #:	2473268.2s
LAT/LONG:	34.1200 / 117.3854	DATE:	April 22, 2009 7:21 am

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NW** **0 - 1/8 Mile** **Higher**	**FED USGS**	**USGS3134694**

Agency cd:	USGS	Site no:	340713117230601
Site name:	001S005W03A002S		
Latitude:	340713		
Longitude:	1172306	Dec lat:	34.12028843
Dec lon:	-117.38587973	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	FONTANA	Map scale:	24000
Altitude:	1360		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19910225
Date inventoried:	19941201	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:	970	Hole depth:	1023
Source of depth data:	other reported		
Project number:	470649400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1994-12-01
Water quality data end date:	1994-12-01	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A2 **SSE** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**979**

Water System Information:

Prime Station Code:	01S/05W-02C01 S	User ID:	TAN
FRDS Number:	3610004007	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340700.0 1172300.0	Precision:	Undefined
Source Name:	WELL 10		

System Number: 3610004
System Name: WEST SAN BERNARDINO CWD
Organization That Operates System:
PO BOX 920
RIALTO, CA 92376-0920
Pop Served: 41454 Connections: 15052
Area Served: RIALTO-BLOOMINGTON

A3
SSE **CA WELLS** **982**
1/8 - 1/4 Mile
Lower

Water System Information:

Prime Station Code:	01S/05W-03A01 S	User ID:	TAN
FRDS Number:	3610038009	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340700.0 1172300.0	Precision:	Undefined
Source Name:	DUNCAN WELL (RIALTO 04)		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:			
	150 S PALM AVE		
	RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		
Sample Collected:	09/11/2007 00:00:00	Findings:	42 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/11/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/07/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/07/2007 00:00:00	Findings:	33 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/17/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	27 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/12/2007 00:00:00	Findings:	24 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/12/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/01/2007 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/01/2007 00:00:00	Findings:	22 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/04/2007 00:00:00	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	04/04/2007 00:00:00	Findings:	20 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/07/2007 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/07/2007 00:00:00	Findings:	23 UG/L
Chemical:	PERCHLORATE		

Sample Collected:	03/07/2007 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/15/2007 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/15/2007 00:00:00	Findings:	23 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/03/2007 00:00:00	Findings:	22 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/03/2007 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/03/2007 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12/12/2006 00:00:00	Findings:	21 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/12/2006 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	19 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/16/2006 00:00:00	Findings:	.5 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	11/16/2006 00:00:00	Findings:	.565 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/30/2006 00:00:00	Findings:	18 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/12/2006 00:00:00	Findings:	14 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/12/2006 00:00:00	Findings:	17.8 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/15/2006 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/15/2006 00:00:00	Findings:	.509 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	08/15/2006 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/15/2006 00:00:00	Findings:	.99 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2006 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/20/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/20/2006 00:00:00	Findings:	3.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/19/2006 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/09/2006 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		

Sample Collected:	05/09/2006 00:00:00	Findings:	.83 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/18/2006 00:00:00	Findings:	9.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/21/2006 00:00:00	Findings:	9.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/21/2006 00:00:00	Findings:	11 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/21/2006 00:00:00	Findings:	9.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.27 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/21/2006 00:00:00	Findings:	3.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	01/19/2006 00:00:00	Findings:	10 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/02/2005 00:00:00	Findings:	15 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/23/2005 00:00:00	Findings:	12 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/19/2005 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/22/2005 00:00:00	Findings:	13 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/02/2005 00:00:00	Findings:	10 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/20/2005 00:00:00	Findings:	9.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/12/2005 00:00:00	Findings:	200 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/12/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2005 00:00:00	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/12/2005 00:00:00	Findings:	25 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/12/2005 00:00:00	Findings:	310 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/12/2005 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/12/2005 00:00:00	Findings:	130 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	150 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/12/2005 00:00:00	Findings:	120 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	42 MG/L
Chemical:	CALCIUM		

Sample Collected:	07/12/2005 00:00:00	Findings:	4.9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	9.7 MG/L
Chemical:	SODIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/12/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/29/2005 00:00:00	Findings:	8.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/31/2005 00:00:00	Findings:	8.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2005 00:00:00	Findings:	6.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2005 00:00:00	Findings:	6.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02/22/2005 00:00:00	Findings:	5.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/25/2005 00:00:00	Findings:	8.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/14/2004 00:00:00	Findings:	8.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/22/2004 00:00:00	Findings:	7.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/13/2004 00:00:00	Findings:	7.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/22/2004 00:00:00	Findings:	7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/24/2004 00:00:00	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/27/2004 00:00:00	Findings:	5.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/16/2004 00:00:00	Findings:	4.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/18/2004 00:00:00	Findings:	4.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/24/2004 00:00:00	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/24/2004 00:00:00	Findings:	1.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/24/2004 00:00:00	Findings:	4.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	01/13/2004 00:00:00	Findings:	.39 NTU
Chemical:	TURBIDITY, LABORATORY		

Sample Collected:	03/12/2003 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/07/2002 00:00:00	Findings:	5.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/01/2002 00:00:00	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/14/2002 00:00:00	Findings:	.955 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/18/2002 00:00:00	Findings:	1.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/18/2002 00:00:00	Findings:	5.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/14/2002 00:00:00	Findings:	1.03 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/12/2002 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/12/2002 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02/21/2002 00:00:00	Findings:	1.05 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/21/2002 00:00:00	Findings:	11 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/31/2002 00:00:00	Findings:	.08 NTU
Chemical:	TURBIDITY, LABORATORY		

4
SE **CA WELLS** **996**
1/4 - 1/2 Mile
Lower

Water System Information:

Prime Station Code:	01S/05W-14B01 S	User ID:	TAN
FRDS Number:	3610038018	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	340653.5 1172245.2	Precision:	1,000 Feet (10 Seconds)
Source Name:	RIALTO WELL 05		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:			
	150 S PALM AVE		
	RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		
Sample Collected:	10/24/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/11/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/07/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		

Sample Collected:	06/12/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	05/02/2007 00:00:00	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	04/04/2007 00:00:00	Findings:	18.3 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	03/07/2007 00:00:00	Findings:	13 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/07/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	02/15/2007 00:00:00	Findings:	18.9 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	01/03/2007 00:00:00	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/03/2007 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	12/12/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	.535 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/16/2006 00:00:00	Findings:	.5 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	11/16/2006 00:00:00	Findings:	1.3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/23/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/12/2006 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/21/2006 00:00:00	Findings:	.572 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	08/21/2006 00:00:00	Findings:	1.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/21/2006 00:00:00	Findings:	5.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/21/2006 00:00:00	Findings:	19.4 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/20/2006 00:00:00	Findings:	1.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/20/2006 00:00:00	Findings:	6 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/09/2006 00:00:00	Findings:	1.13 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/09/2006 00:00:00	Findings:	3.48 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/11/2006 00:00:00	Findings:	- .23 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	03/22/2006 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		

Sample Collected:	02/21/2006 00:00:00	Findings:	1.03 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/21/2006 00:00:00	Findings:	1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/21/2006 00:00:00	Findings:	5.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	12 MG/L
Chemical:	SODIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	1.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	5.1 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/12/2005 00:00:00	Findings:	.4 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/12/2005 00:00:00	Findings:	25 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/12/2005 00:00:00	Findings:	360 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/12/2005 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	07/12/2005 00:00:00	Findings:	150 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	180 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/12/2005 00:00:00	Findings:	150 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/12/2005 00:00:00	Findings:	50 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	6.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/12/2005 00:00:00	Findings:	280 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/12/2005 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2005 00:00:00	Findings:	12.2
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03/22/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/22/2005 00:00:00	Findings:	14 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/24/2005 00:00:00	Findings:	1.6 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/24/2005 00:00:00	Findings:	5.2 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/26/2004 00:00:00	Findings:	1.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	02/26/2004 00:00:00	Findings:	4.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	01/21/2004 00:00:00	Findings:	.34 NTU
Chemical:	TURBIDITY, LABORATORY		

Sample Collected:	03/05/2003 00:00:00	Findings:	10 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/28/2002 00:00:00	Findings:	1.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/14/2002 00:00:00	Findings:	.964 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/14/2002 00:00:00	Findings:	3.37 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/18/2002 00:00:00	Findings:	1.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/18/2002 00:00:00	Findings:	6.7 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/14/2002 00:00:00	Findings:	1.06 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/12/2002 00:00:00	Findings:	200 UG/L
Chemical:	IRON		
Sample Collected:	03/12/2002 00:00:00	Findings:	12 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/12/2002 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02/21/2002 00:00:00	Findings:	10 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/31/2002 00:00:00	Findings:	.26 NTU
Chemical:	TURBIDITY, LABORATORY		

B5
East
1/2 - 1 Mile
Lower

CA WELLS **CADW20000006866**

Longitude:	117.3751
Latitude:	34.1211
Stwellno:	01S05W02C001S
Districtco:	3
Welluseco:	P
Countycode:	36
Gwcode:	800204
Site id:	CADW20000006866

B6
East
1/2 - 1 Mile
Lower

CA WELLS **23574**

Water System Information:

Prime Station Code:	M36/038-FILPLAR	User ID:	TAN
FRDS Number:	3610038011	County:	San Beernardino
District Number:	13	Station Type:	STREAM/AMBNT
Water Type:	Surface Water	Well Status:	Active Raw
Source Lat/Long:	340715.0 1172230.0	Precision:	100 Feet (one Second)
Source Name:	FILTER PLANT - RAW		

System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:			
	150 S PALM AVE		
	RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		

B7
East **CA WELLS** **23575**
1/2 - 1 Mile
Lower

Water System Information:

Prime Station Code:	M36/038-FILPLAT	User ID:	TAN
FRDS Number:	3610038012	County:	San Beernardino
District Number:	13	Station Type:	STREAM/AMBNT
Water Type:	Surface Water	Well Status:	Active Treated
Source Lat/Long:	340715.0 1172230.0	Precision:	100 Feet (one Second)
Source Name:	FILTER PLANT - TREATED		
System Number:	3610038		
System Name:	RIALTO-CITY		
Organization That Operates System:			
	150 S PALM AVE		
	RIALTO, CA 92376		
Pop Served:	48418	Connections:	11089
Area Served:	RIALTO		

B8
East **FED USGS** **USGS3134722**
1/2 - 1 Mile
Lower

Agency cd:	USGS	Site no:	340716117222701
Site name:	001S005W02C001S		
Latitude:	340716		
Longitude:	1172227	Dec lat:	34.12112179
Dec lon:	-117.37504603	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
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:	900	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1992-01-08	Ground water data end date:	1992-01-08
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-01-08	324.35	

9
South
1/2 - 1 Mile
Lower

FED USGS **USGS3290490**

Agency cd:	USGS	Site no:	340638117230601
Site name:	001S005W03J001S		
Latitude:	340638		
Longitude:	1172306	Dec lat:	34.11056653
Dec lon:	-117.38587967	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	10		
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:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	0479333800		
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

C10
ESE
1/2 - 1 Mile
Lower

CA WELLS **CADW20000006815**

Longitude:	117.3728
Latitude:	34.1145
Stwellno:	01S05W02G001S
Districtco:	3
Welluseco:	Z
Countycode:	36
Gwcode:	800204
Site id:	CADW20000006815

C11
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS3134850**

Agency cd:	USGS	Site no:	340652117221901
Site name:	001S005W02G001S		
Latitude:	340652		
Longitude:	1172219	Dec lat:	34.11445536
Dec lon:	-117.37282369	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	SAN BERNARDINO SOUTH	Map scale:	24000
Altitude:	1305		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	40		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Alluvial fan		
Site type:	Ground-water other than Spring	Date construction:	19890315
Date inventoried:	19920323	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:	1000	Hole depth:	1000
Source of depth data:	driller		
Project number:	470649400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1992-03-23
Water quality data end date:	1992-03-23	Water quality data count:	1
Ground water data begin date:	1992-03-23	Ground water data end date:	1992-03-23
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1992-03-23	284.86	

12
East
1/2 - 1 Mile
Lower

AQUIFLOW **37845**

Site ID:	083601725T
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	350
Date:	06/06/1994

Map ID Direction Distance Elevation	Database	EDR ID Number
13 **SE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS3134818**

Agency cd:	USGS	Site no:	340643117222101
Site name:	001S005W02K001S		
Latitude:	340643		
Longitude:	1172221	Dec lat:	34.11195544
Dec lon:	-117.37337924	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
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:	Not Reported	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

---

14 **North** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**201**

Water System Information:

Prime Station Code:	01N/05W-34B01 S	User ID:	TAN
FRDS Number:	3610038014	County:	San Beernardino
District Number:	13	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	340800.0 1172300.0	Precision:	Undefined
Source Name:	HIGHLAND WELL		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number: 3610038
System Name: RIALTO-CITY
Organization That Operates System:
150 S PALM AVE
RIALTO, CA 92376
Pop Served: 48418 Connections: 11089
Area Served: RIALTO

Sample Collected:	11/06/2007 00:00:00	Findings:	74 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/24/2007 00:00:00	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	10/24/2007 00:00:00	Findings:	63 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/11/2007 00:00:00	Findings:	58 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/11/2007 00:00:00	Findings:	21.1 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/07/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	08/07/2007 00:00:00	Findings:	56 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/17/2007 00:00:00	Findings:	20 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	07/17/2007 00:00:00	Findings:	51 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/12/2007 00:00:00	Findings:	56 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/12/2007 00:00:00	Findings:	20.6 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	06/05/2006 00:00:00	Findings:	5.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	06/05/2006 00:00:00	Findings:	46 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/25/2006 00:00:00	Findings:	42 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/15/2005 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/02/2005 00:00:00	Findings:	47 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2005 00:00:00	Findings:	35 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2005 00:00:00	Findings:	36 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/22/2005 00:00:00	Findings:	.3 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	02/24/2005 00:00:00	Findings:	35 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/24/2005 00:00:00	Findings:	1.7 UG/L
Chemical:	CHROMIUM, HEXAVALENT		

Sample Collected:	02/24/2005 00:00:00	Findings:	3.8 UG/L
Chemical:	VANADIUM		
Sample Collected:	02/24/2005 00:00:00	Findings:	3.1 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/25/2005 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/14/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/13/2004 00:00:00	Findings:	34 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/22/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/26/2004 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/17/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/20/2004 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/16/2004 00:00:00	Findings:	38 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/26/2004 00:00:00	Findings:	40 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	12/04/2003 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/04/2003 00:00:00	Findings:	44 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/15/2003 00:00:00	Findings:	40 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/10/2003 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/14/2003 00:00:00	Findings:	460 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/14/2003 00:00:00	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	08/14/2003 00:00:00	Findings:	170 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	08/14/2003 00:00:00	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08/14/2003 00:00:00	Findings:	180 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	08/14/2003 00:00:00	Findings:	58 MG/L
Chemical:	CALCIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	8.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	11 MG/L
Chemical:	SODIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	2.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	08/14/2003 00:00:00	Findings:	13 MG/L
Chemical:	CHLORIDE		

Sample Collected:	08/14/2003 00:00:00	Findings:	260 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/14/2003 00:00:00	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/14/2003 00:00:00	Findings:	.27 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/14/2003 00:00:00	Findings:	45 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/23/2003 00:00:00	Findings:	43 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/21/2003 00:00:00	Findings:	44 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	61 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	45 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	.46 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/18/2003 00:00:00	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/18/2003 00:00:00	Findings:	260 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/2003 00:00:00	Findings:	43 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	47 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	44 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/18/2003 00:00:00	Findings:	440 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/18/2003 00:00:00	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	04/18/2003 00:00:00	Findings:	170 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	04/18/2003 00:00:00	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/18/2003 00:00:00	Findings:	190 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	04/18/2003 00:00:00	Findings:	8.5 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	11 MG/L
Chemical:	SODIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	1.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/18/2003 00:00:00	Findings:	13 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/18/2003 00:00:00	Findings:	63 UG/L
Chemical:	COPPER		

Sample Collected:	03/12/2003 00:00:00	Findings:	51 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/12/2003 00:00:00	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/24/2003 00:00:00	Findings:	49 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/15/2003 00:00:00	Findings:	43 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/15/2003 00:00:00	Findings:	5.9 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	12/09/2002 00:00:00	Findings:	37 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11/13/2002 00:00:00	Findings:	41 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10/01/2002 00:00:00	Findings:	50 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/11/2002 00:00:00	Findings:	54 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/15/2002 00:00:00	Findings:	52 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/18/2002 00:00:00	Findings:	53 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/27/2002 00:00:00	Findings:	51 UG/L
Chemical:	PERCHLORATE		

15
East
1/2 - 1 Mile
Lower

Site ID:	Not Reported
Groundwater Flow:	N
Shallow Water Depth:	34.5
Deep Water Depth:	114.4
Average Water Depth:	Not Reported
Date:	10/29/1996

AQUIFLOW **38684**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
92376	11	0	0.00

Federal EPA Radon Zone for SAN BERNARDINO County: 2

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

Federal Area Radon Information for SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

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 1999 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

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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FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Inquiry Number: 2473268.3
April 21, 2009

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

4/21/09

Site Name:
FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Client Name:
Kennedy/Jenks Consultants
2355 Main Street
Irvine, CA 92614

EDR Inquiry # 2473268.3

Contact: Nadine Stroud

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Kennedy/Jenks Consultants were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name:	FBR Treatment Plant
Address:	855 West Baseline Road
City, State, Zip:	Rialto, CA 92376
Cross Street:	
P.O. #	0989015*00
Project:	FBR Treatment P
Certification #	245C-4EB8-BF79

Sanborn® Library search results
Certification # 245C-4EB8-BF79

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Inquiry Number: 2473268.6
April 23, 2009

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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Executive Summary

Findings

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

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2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.

2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.

3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.

2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.

3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.

4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2007	Haines Criss-Cross Directory	X	X	X	-
1995	Haines Criss-Cross Directory	X	X	X	-
1984	Haines Criss-Cross Directory	X	X	X	-
1981	Haines Criss-Cross Directory	X	X	X	-
1975	Haines Criss-Cross Directory	X	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

855 West Baseline Road
Rialto, CA 92376

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
2007	West Valley Water District	Haines Criss-Cross Directory
1995	West Snbdo Co Water	Haines Criss-Cross Directory
1984	West Snbdo Co Water	Haines Criss-Cross Directory
1981	West Snbdo Co Water	Haines Criss-Cross Directory
1975	West Snbdo Co Water	Haines Criss-Cross Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

N Cactus Ave

1033 N Cactus Ave

Year	Uses	Source
2007	Cactus Grve Apts	Haines Criss-Cross Directory
1995	Cactus Grve Apts	Haines Criss-Cross Directory

1173 N Cactus Ave

Year	Uses	Source
2007	Residential	Haines Criss-Cross Directory

N Idyllwild Ave

1171 N Idyllwild Ave

Year	Uses	Source
2007	Residential	Haines Criss-Cross Directory
1995	Residential	Haines Criss-Cross Directory

1312 N Idyllwild Ave

Year	Uses	Source
2007	Residential	Haines Criss-Cross Directory

West Baseline Road

West Baseline Road

Year	Uses	Source
2007	No other addresses (700 - 999) block W Baseline Rd	Haines Criss-Cross Directory
1995	No other addresses (700 - 999) block W Baseline Rd	Haines Criss-Cross Directory
1984	No other addresses (700 - 999) block W Baseline Rd	Haines Criss-Cross Directory
1981	No other addresses (700 - 999) block W Baseline Rd	Haines Criss-Cross Directory
1975	No other addresses (700 - 999) block W Baseline Rd	Haines Criss-Cross Directory

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT LISTED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not listed in research source.

Address Researched	Address Not Listed in Research Source
1033 N Cactus Ave	1984, 1981, 1975
1171 N Idyllwild Ave	1984, 1981, 1975
1173 N Cactus Ave	1995, 1984, 1981, 1975
1312 N Idyllwild Ave	1995, 1984, 1981, 1975

FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Inquiry Number: 2473268.5
April 23, 2009

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography April 23, 2009

Target Property:

855 West Baseline Road

Rialto, CA 92376

Year	***Scale***	***Details***	***Source***
1930	Aerial Photograph. Scale: 1"=666'	Flight Year: 1930	Fairchild
1938	Aerial Photograph. Scale: 1"=555'	Flight Year: 1938	Laval
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Southwestern
1966	Aerial Photograph. Scale: 1"=555'	Flight Year: 1966	Universe
1977	Aerial Photograph. Scale: 1"=666'	Flight Year: 1977	Teledyne
1990	Aerial Photograph. Scale: 1"=666'	Flight Year: 1990	USGS
1994	Aerial Photograph. Scale: 1"=666'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS
2005	Aerial Photograph. Scale: 1"=485'	Flight Year: 2005	EDR

INQUIRY #: 2473268.5
YEAR: 1930
= 666'
N
EDR Environmental Data Resources Inc

INQUIRY #: 2473268.5
YEAR: 1938
= 555'
N
EDR Environmental Data Resources Inc

INQUIRY #: 2473268.5

YEAR: 1953

= 555'

N

EDR® Environmental Data Resources Inc

INQUIRY #: 2473268.5
YEAR: 1966
= 555'
N

INQUIRY #: 2473268.5
YEAR: 1977
= 666'
N

INQUIRY #: 2473268.5
YEAR: 1990
= 666'
N

INQUIRY #: 2473268.5
YEAR: 1994
= 666'
N

INQUIRY #: 2473268.5
YEAR: 2002
= 666'
N

INQUIRY #: 2473268.5
YEAR: 2005
= 485'
N

FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Inquiry Number: 2473268.4
April 22, 2009

The EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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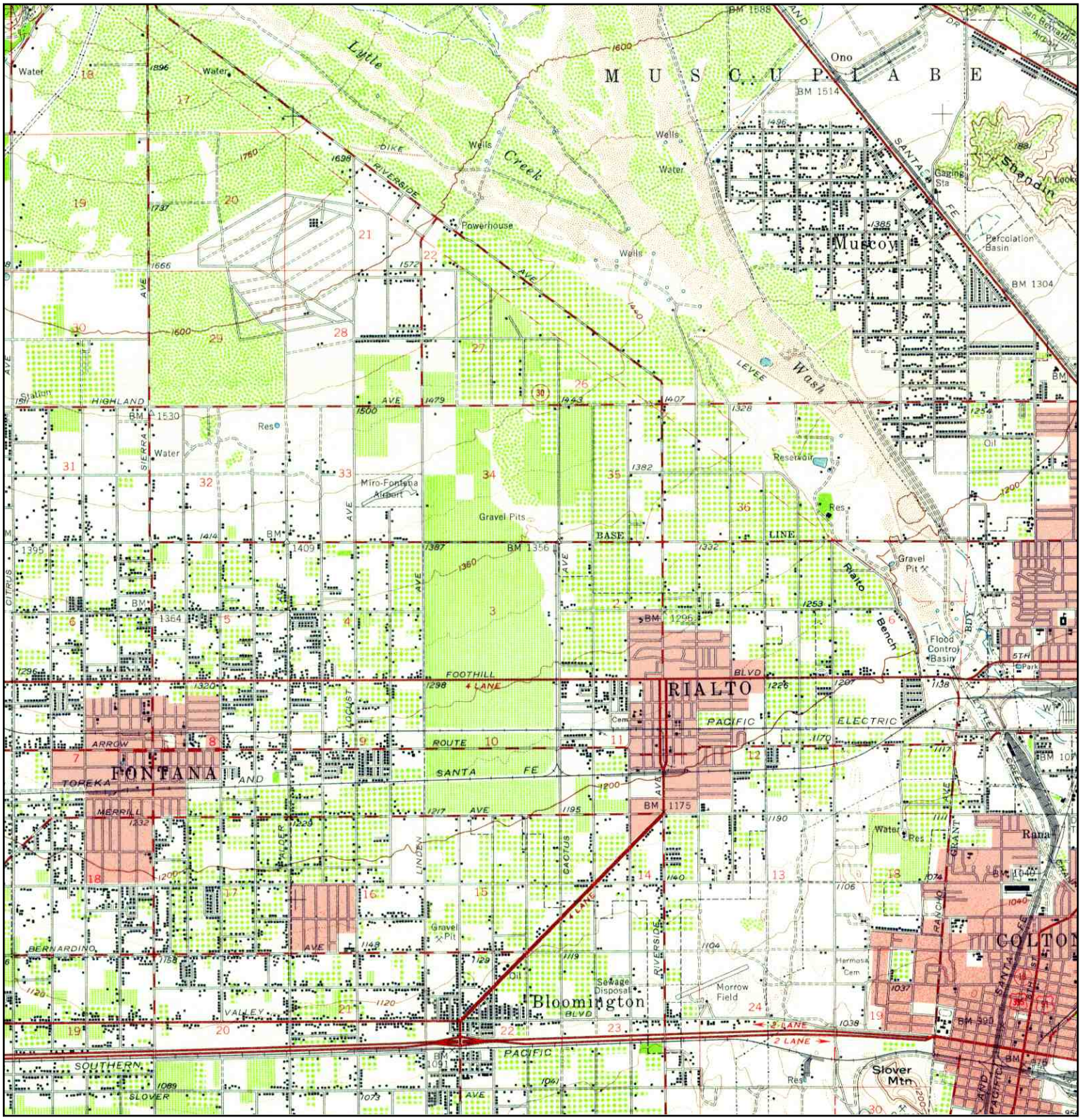
Historical Topographic Map

N	TARGET QUAD NAME: SAN BERNARDINO MAP YEAR: 1901 SERIES: 15 SCALE: 1:62500	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map

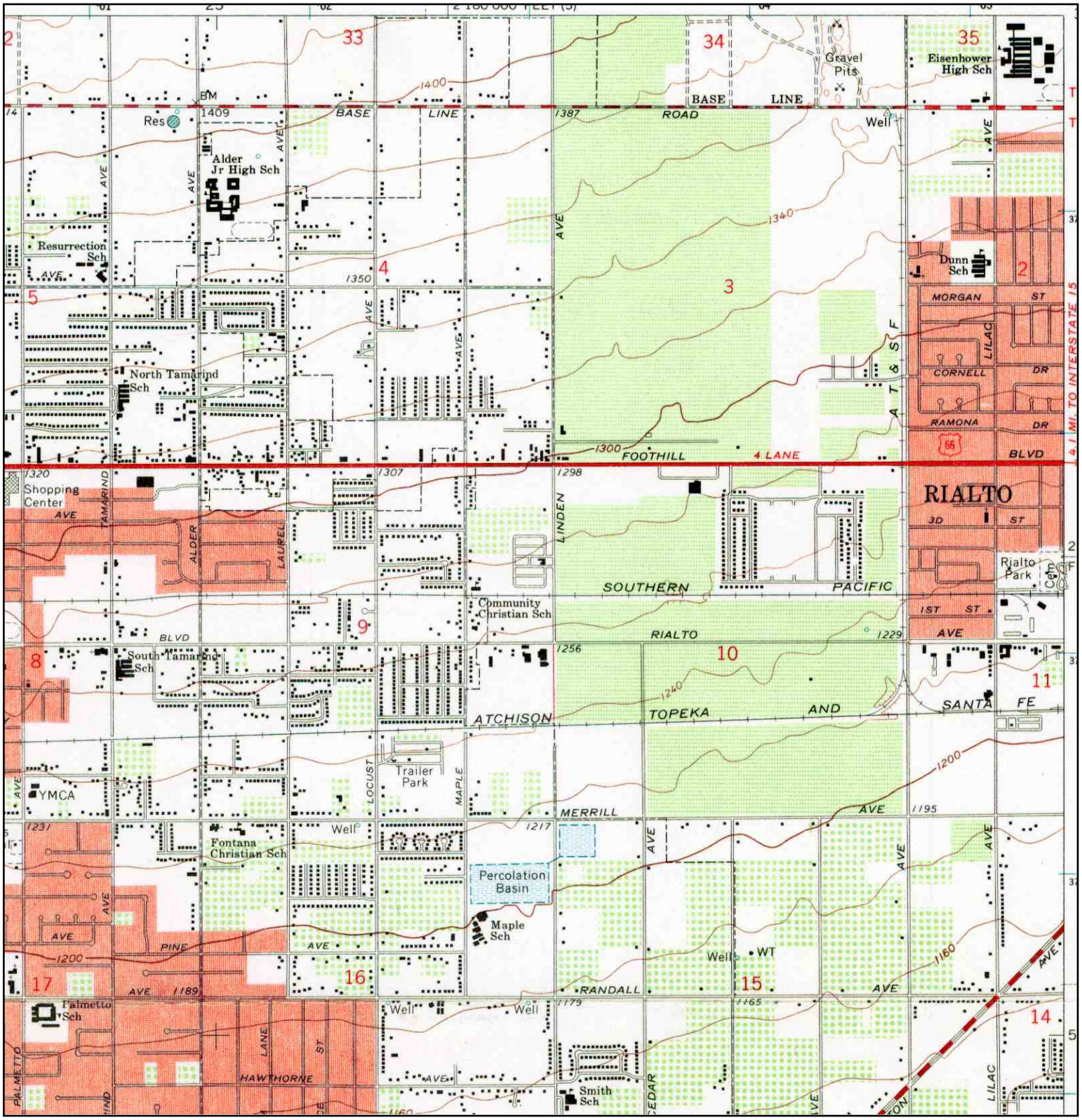
N	TARGET QUAD NAME: SOUTHERN CA SHEET 1 MAP YEAR: 1901 SERIES: 60 SCALE: 1:250000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



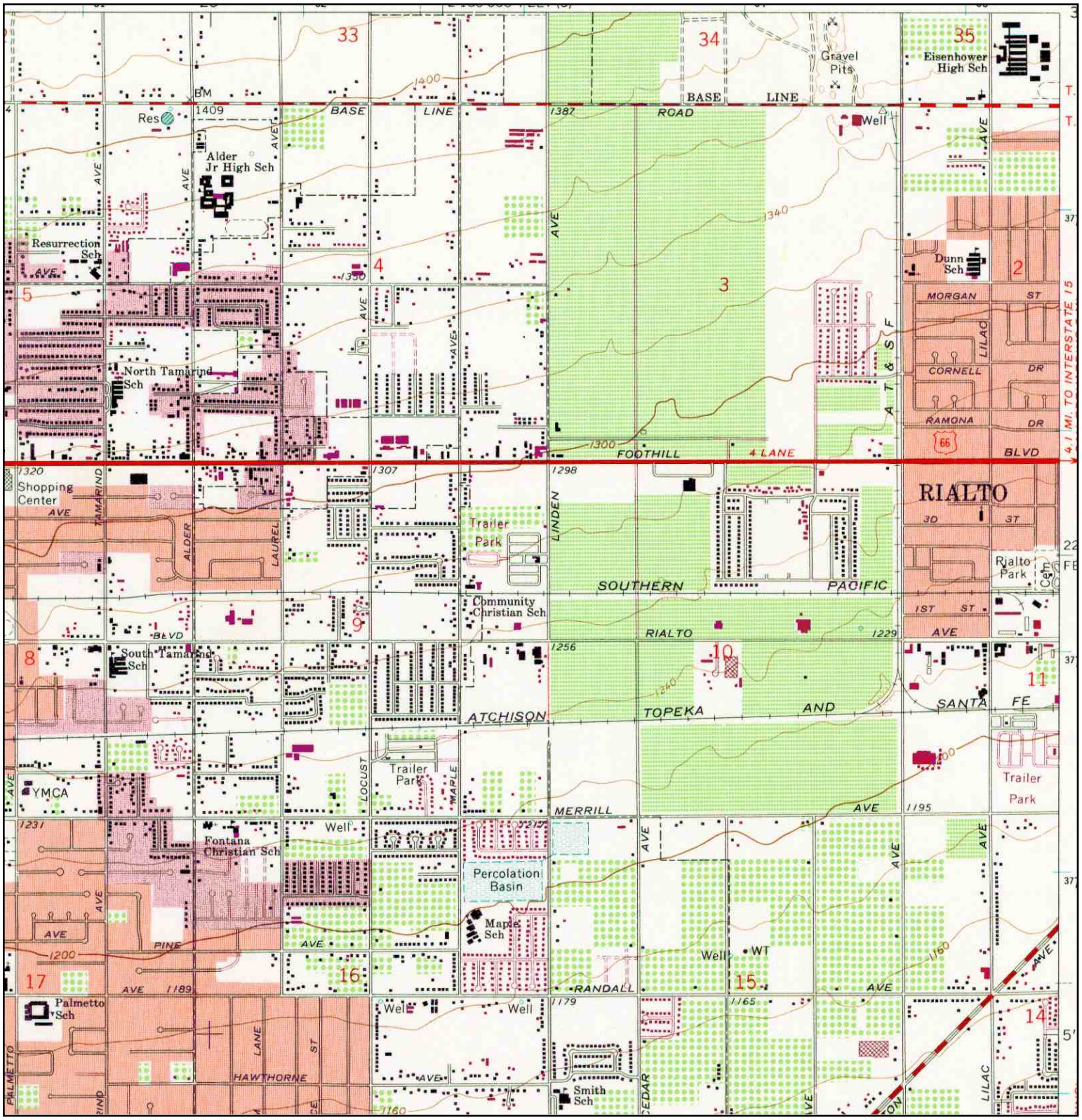
N	TARGET QUAD NAME: SAN BERNARDINO MAP YEAR: 1954 SERIES: 15 SCALE: 1:62500	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



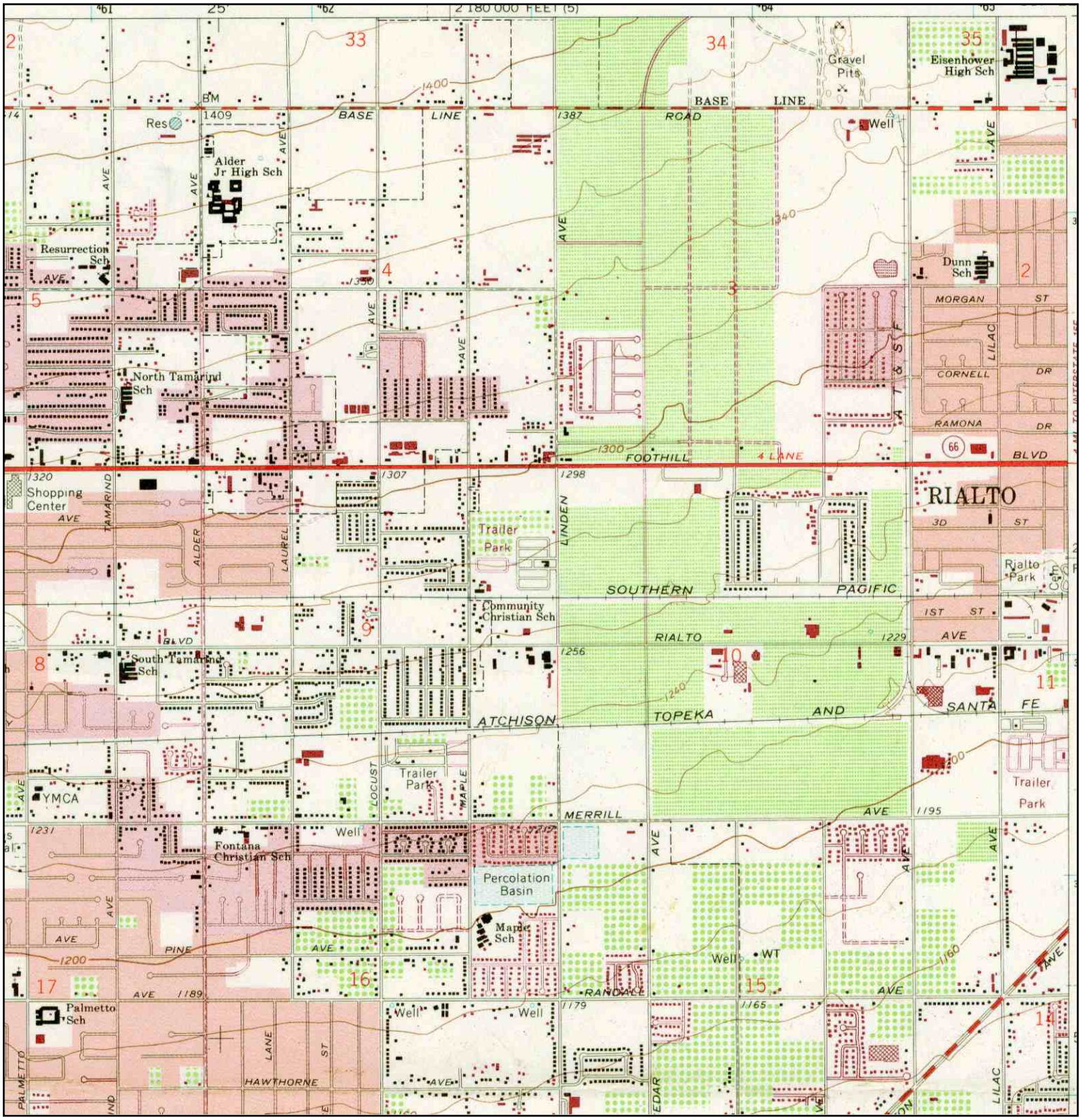
N	TARGET QUAD NAME: FONTANA MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



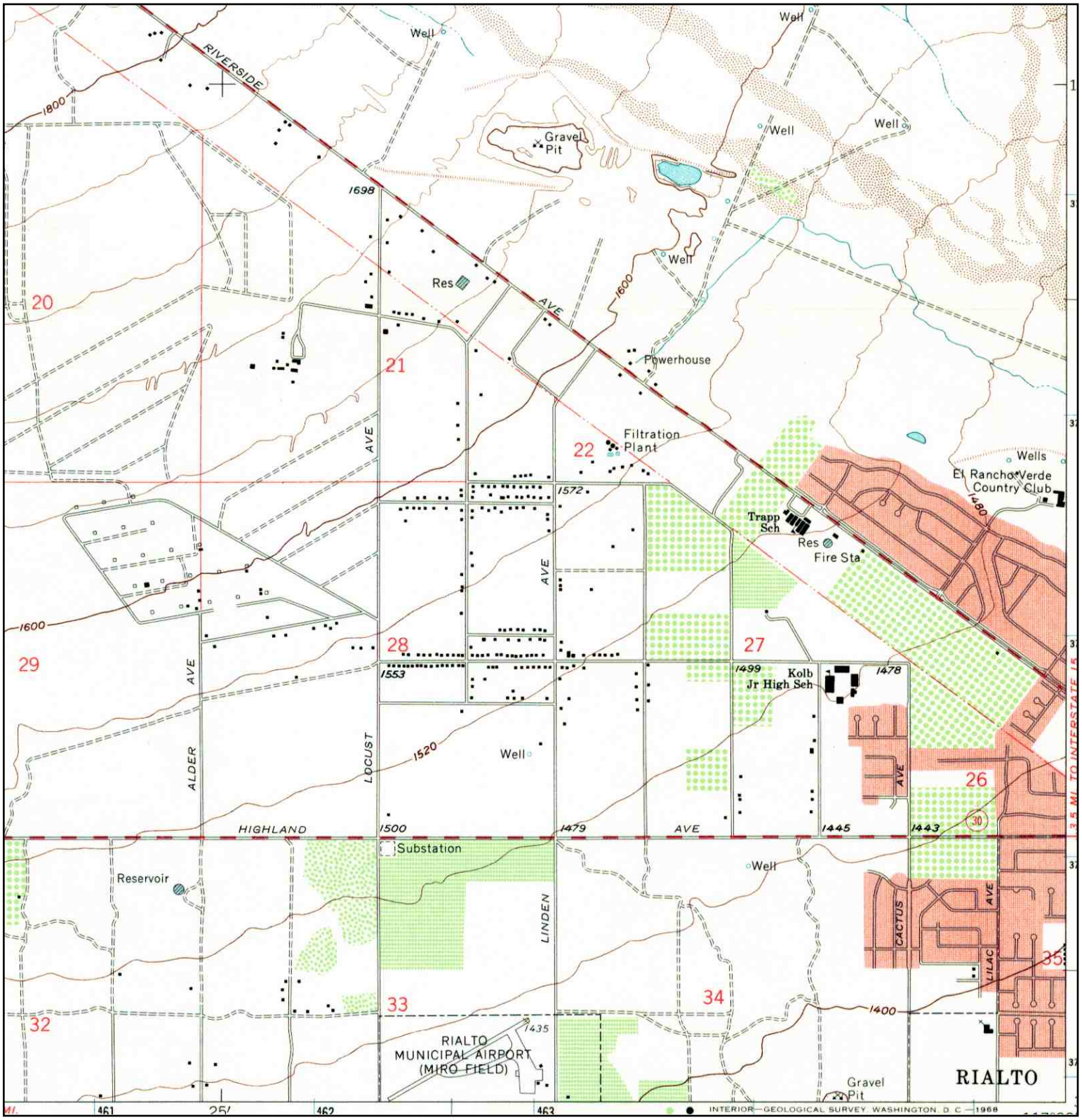
N	TARGET QUAD NAME: FONTANA MAP YEAR: 1973 PHOTOREVISED FROM:1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



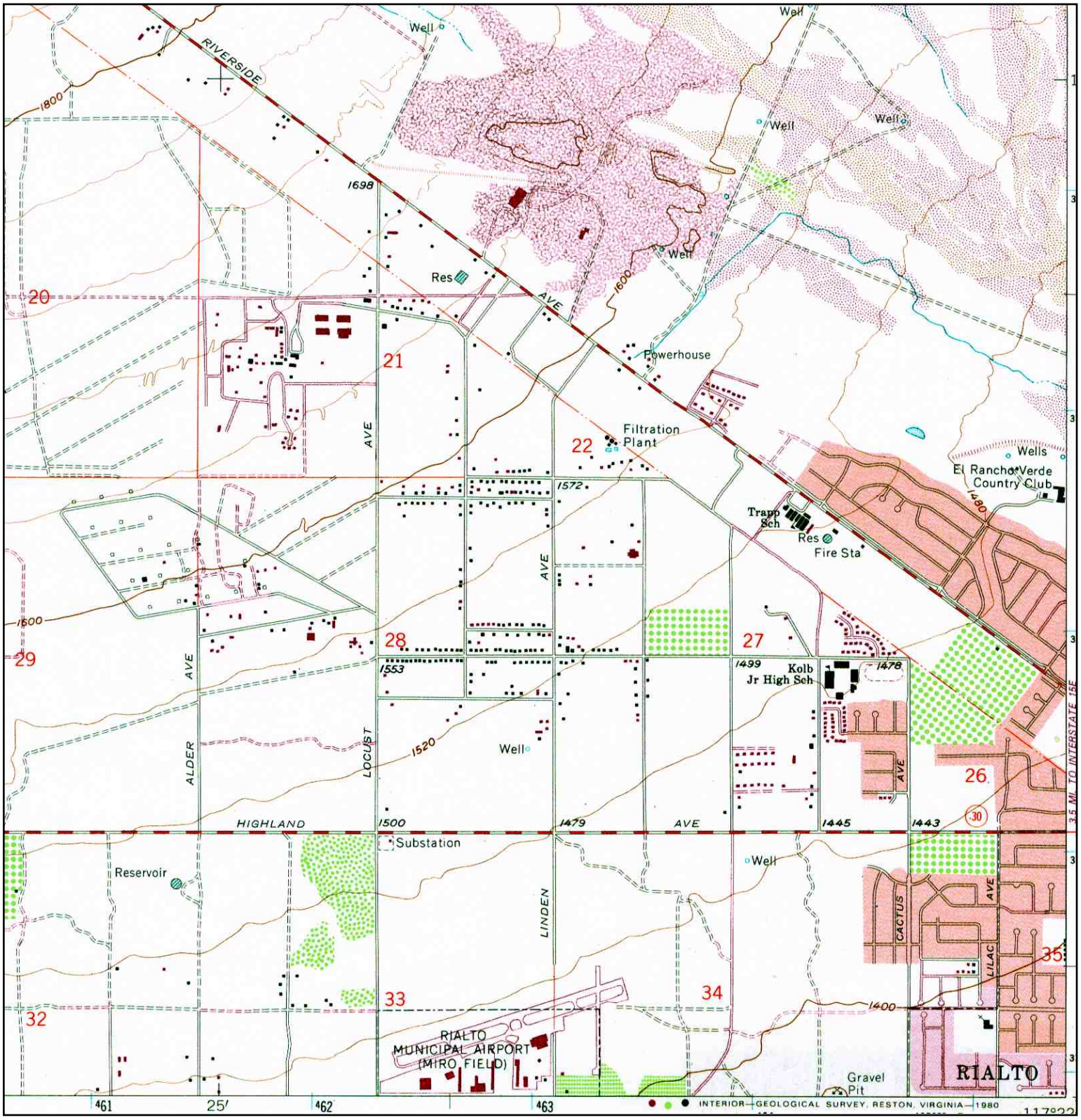
N	TARGET QUAD NAME: FONTANA MAP YEAR: 1980 PHOTOREVISED FROM:1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



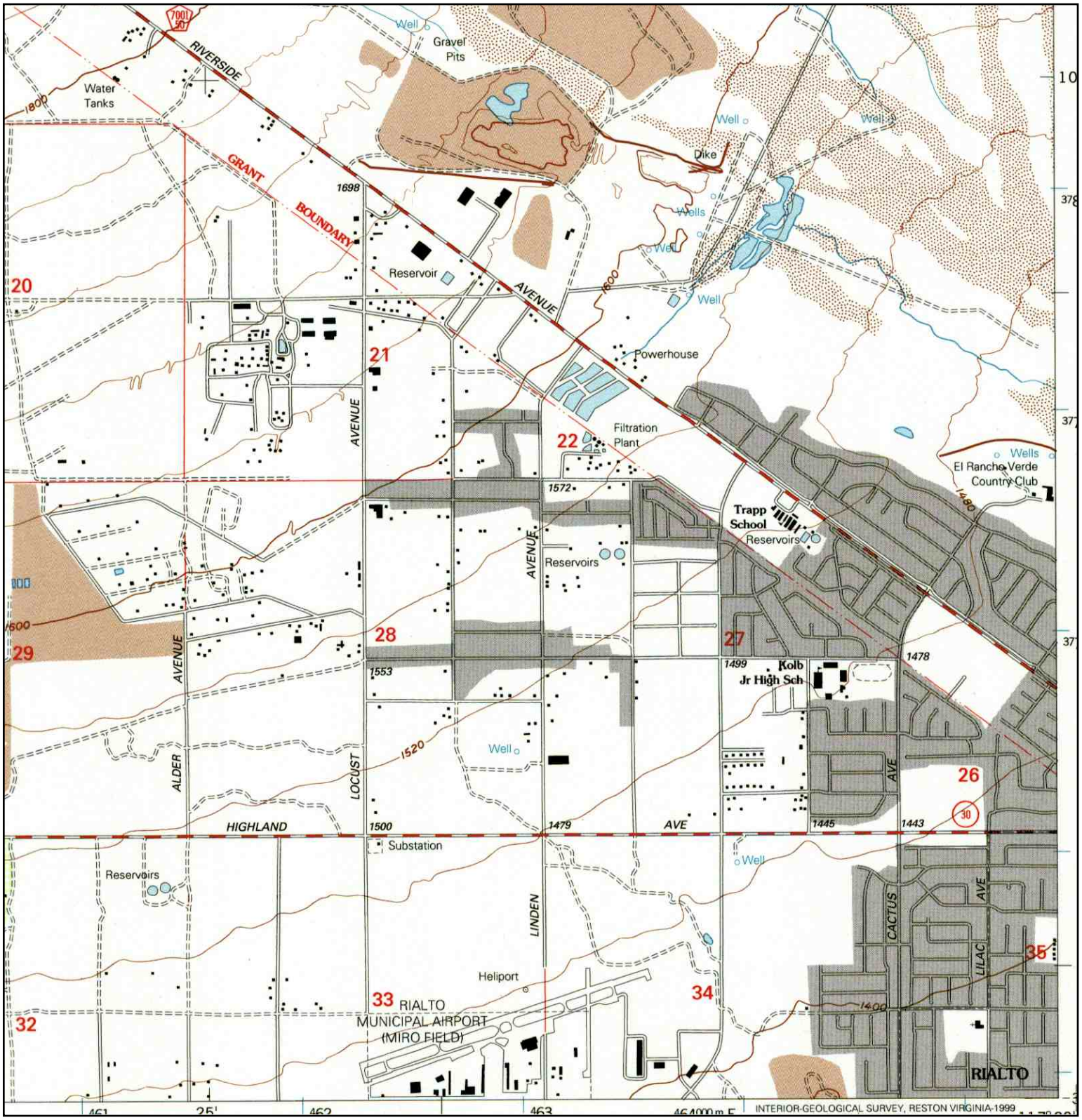
N	ADJOINING QUAD NAME: DEVORE MAP YEAR: 1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



N	ADJOINING QUAD NAME: DEVORE MAP YEAR: 1980 PHOTOREVISED FROM:1966 SERIES: 7.5 SCALE: 1:24000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

Historical Topographic Map



N	ADJOINING QUAD NAME: DEVORE MAP YEAR: 1996 SERIES: 7.5 SCALE: 1:24000	SITE NAME: FBR Treatment Plant ADDRESS: 855 West Baseline Road Rialto, CA 92376 LAT/LONG: 34.12 / 117.385	CLIENT: Kennedy/Jenks Consultants CONTACT: Nadine Stroud INQUIRY#: 2473268.4 RESEARCH DATE: 04/22/2009

FBR Treatment Plant
855 West Baseline Road
Rialto, CA 92376

Inquiry Number: 2473268.8
April 21, 2009

The EDR Property Tax Map Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

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Kennedy/Jenks Consultants

2355 Main Street, Suite 140
Irvine, CA 92614
949-261-1577
949-261-2134 (Fax)
www.kennedyjenks.com

Fax Transmittal

TO: California Department of Toxic Substances Control (DTSC)
5796 Corporate Avenue
Cypress, California 90630
Attn: Regional Records Coordinator

Telephone: (714) 484-5300
Fax: (714) 484-5318

FROM: Nadine Stroud
DATE: 1 July 2009
K/J JOB #: 0989015*00
SUBJECT: Request to Review Files

Total Number Of Pages (including this cover) 1

REMARKS:

Dear Ms. Johnson:

I am performing a Phase I Environmental Assessment for a property located in San Bernardino County, California. I am interested in reviewing any environmental records, such as site assessment reports, remedial plans, environmental permits, notices of violation, or other documents pertaining to hazardous material releases/spills you may have on the following properties:

1) 855 West Baseline Road, Rialto, California (West Valley Water District)

2) 688 West Baseline Road, Rialto, California (Circle K or Convenience Retailers)

3) 638 West Baseline Road (Comet One Hour Cleaners or USA Cleaners)

Could you please check to see if you have any past or present facility records on file concerning these properties?

If you have any questions, please do not hesitate to contact me. I can be reached at (949) 567-2147. My email address is: nadinestroud@kennedyjenks.com

Thank you for your assistance.

Signed: _____
Nadine Stroud

Copies To:

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Kennedy/Jenks Consultants

2355 Main Street, Suite 140
Irvine, CA 92614
949-261-1577
949-261-2134 (Fax)
www.kennedyjenks.com

Fax Transmittal

TO: California Department of Toxic Substances Control (DTSC)
1011 North Grandview Ave,
Glendale, California 91201
Attn: Ms. Joan Barrio

Telephone: (818) 551-2800
Fax: (818) 551-2976

FROM: Nadine Stroud
DATE: 1 July 2009
K/J JOB #: 0989015*00
SUBJECT: Request to Review Files

Total Number Of Pages (including this cover) 1

REMARKS:

Dear Ms. Barrio:

I am performing a Phase I Environmental Assessment for a property located in San Bernardino County, California. I am interested in reviewing any environmental records, such as site assessment reports, remedial plans, environmental permits, notices of violation, or other documents pertaining to hazardous material releases/spills you may have on the following properties:

1) 855 West Baseline Road, Rialto, California (West Valley Water District)

2) 688 West Baseline Road, Rialto, California (Circle K or Convenience Retailers)

3) 638 West Baseline Road (Comet One Hour Cleaners or USA Cleaners)

Could you please check to see if you have any past or present facility records on file concerning these properties?

If you have any questions, please do not hesitate to contact me. I can be reached at (949) 567-2147. My email address is: nadinestroud@kennedyjenks.com

Thank you for your assistance.

Signed: _____
Nadine Stroud

Copies To:

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Kennedy/Jenks Consultants

2355 Main Street, Suite 140
Irvine, CA 92614
949-261-1577
949-261-2134 (Fax)
www.kennedyjenks.com

Fax Transmittal

TO: SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD
3737 Main Street, Suite 500
Riverside, California 92501
Attn: August Lucas

Telephone: (951) 782-4130
Fax: (951) 781-6288

FROM: Nadine Stroud
DATE: 1 July 2009
K/J JOB #: 0989015*00
SUBJECT: Request to Review Files

Total Number Of Pages (including this cover) 1

REMARKS:

Dear Ms. Lucas:

I am performing a Phase I Environmental Assessment for a property located in San Bernardino County, California. I am interested in reviewing any environmental records, such as site assessment reports, remedial plans, environmental permits, notices of violation, or other documents pertaining to hazardous material releases/spills you may have on the following properties:

1) 855 West Baseline Road, Rialto, California (West Valley Water District)

2) 688 West Baseline Road, Rialto, California (Circle K or Convenience Retailers)

3) 638 West Baseline Road (Comet One Hour Cleaners or USA Cleaners)

Could you please check to see if you have any past or present facility records on file concerning these properties?

If you have any questions, please do not hesitate to contact me. I can be reached at (949) 567-2147. My email address is: nadinestroud@kennedyjenks.com

Thank you for your assistance.

Signed: _____
Nadine Stroud

Copies To:

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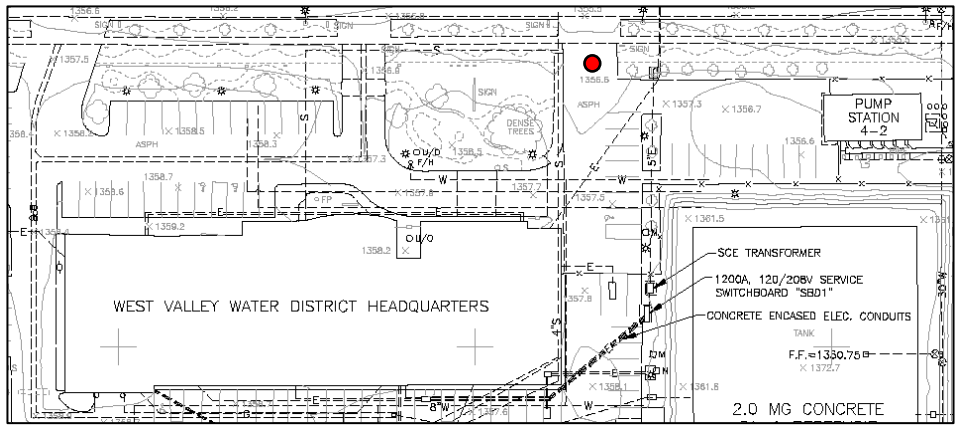
Photo Log – West Valley Water District – Phase 1 ESA, May 2009



N

Approximate location at which photos were taken.

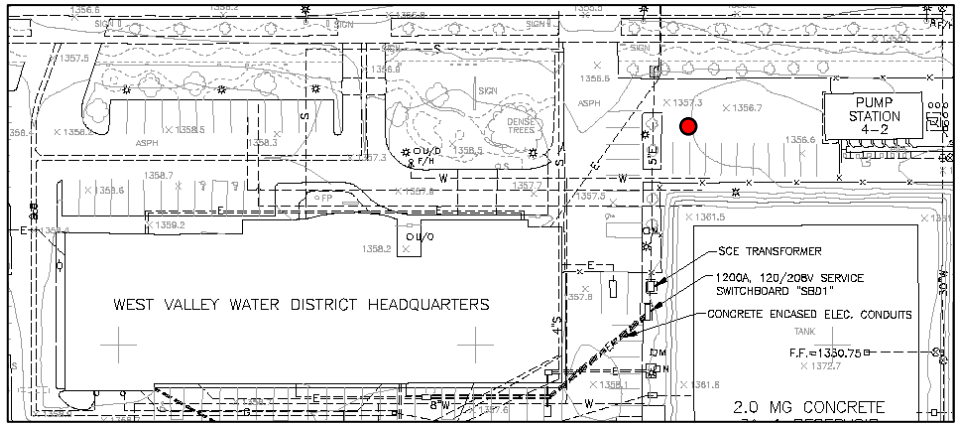
Photo 1

Front view of office buildings
Facing southwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 2

San Bernardino County flood control across the street.
Facing northwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

Approximate location at which photos were taken.

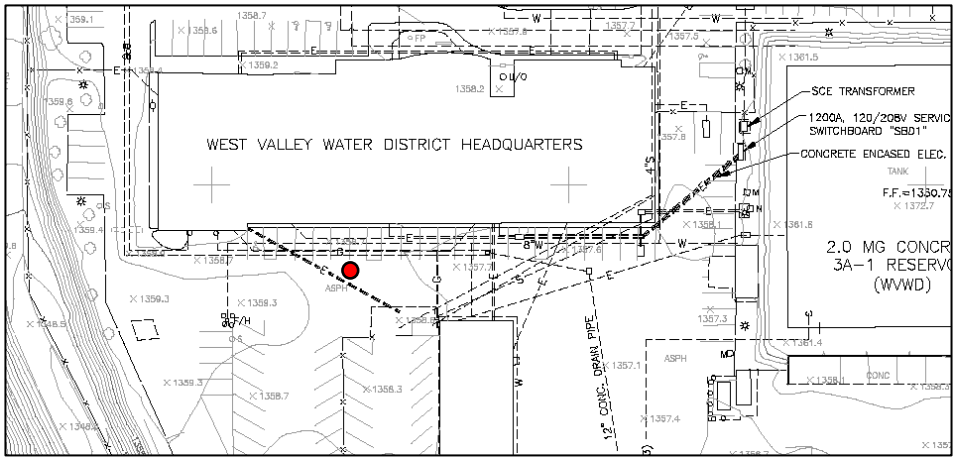
Photo 3

Pump station
Facing east (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 4

Pump station
Facing east (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



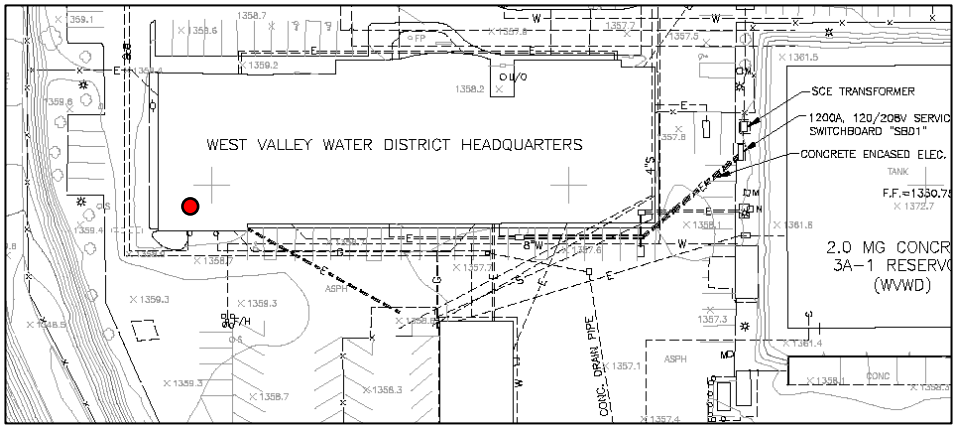
N

Approximate location at which photos were taken.

Photo 5

Office buildings and warehouse (left).
Note the radio towers on the left.
Facing northwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



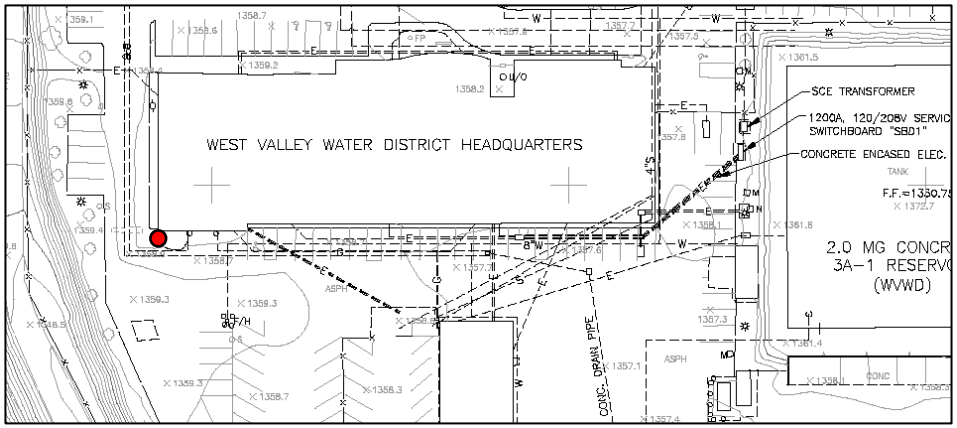
N

Approximate location at which photos were taken.

Photo 6

Warehouse containing meter gauges and various parts and supplies.
Facing north (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

Approximate location at which photos were taken.

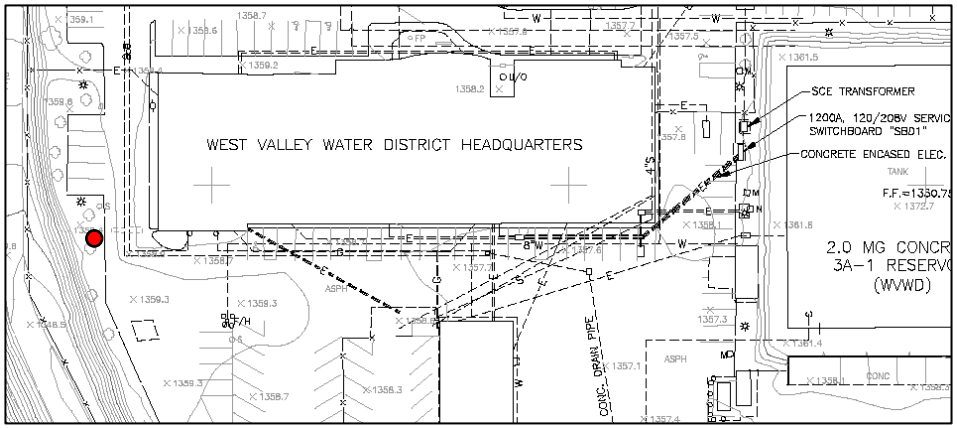
Photo 7

West side of warehouse
Facing southwest (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 8

West side of warehouse.
Facing northwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



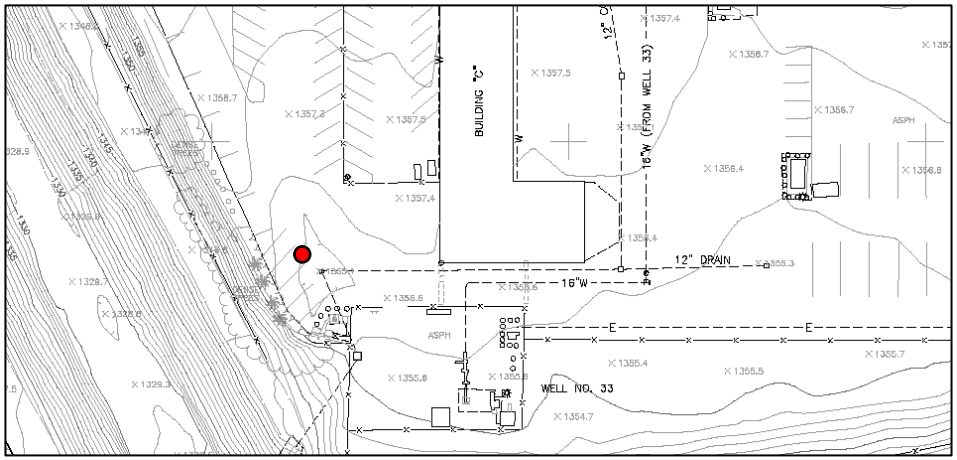
N

Approximate location at which photos were taken.

Photo 9

San Bernardino County flood control and residential area west of the site.
Facing southwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

Approximate location at which photos were taken.

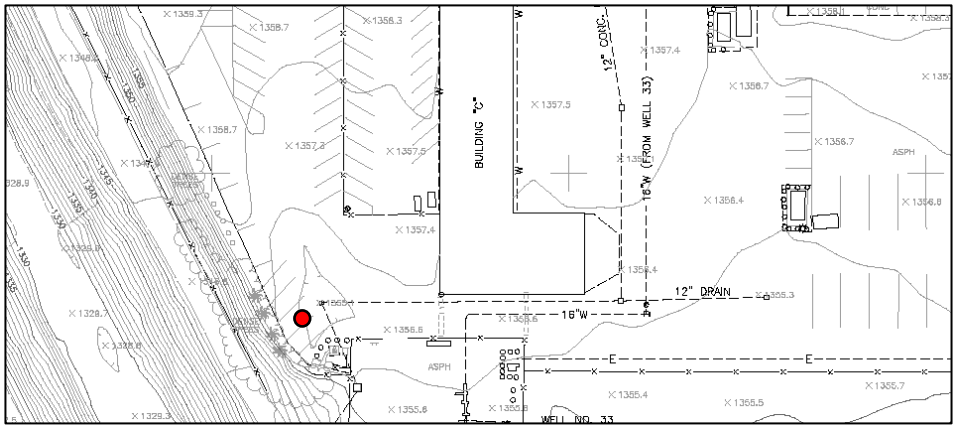
Photo 10

Cell phone tower
Facing southeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 11

Base and electric power for cell phone tower
Facing southeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



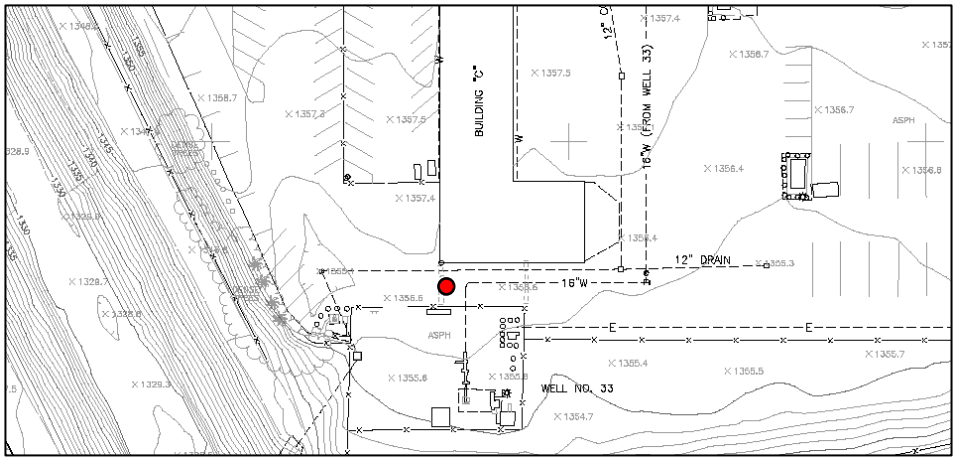
N

Approximate location at which photos were taken.

Photo 12

Building C and west side, gated parking for utility vehicles. Note drain towards the bottom right corner.
Facing northeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

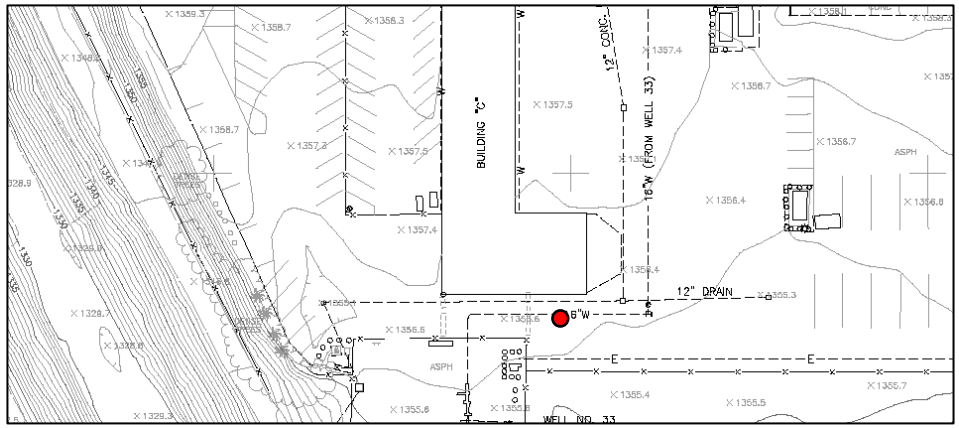
Approximate location at which photos were taken.

Photo 13

Electric power to Well 33
Facing southeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 14

Well 33 and drums of chlorine under covered storage (right).
Facing south (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09



N

Approximate location at which photos were taken.

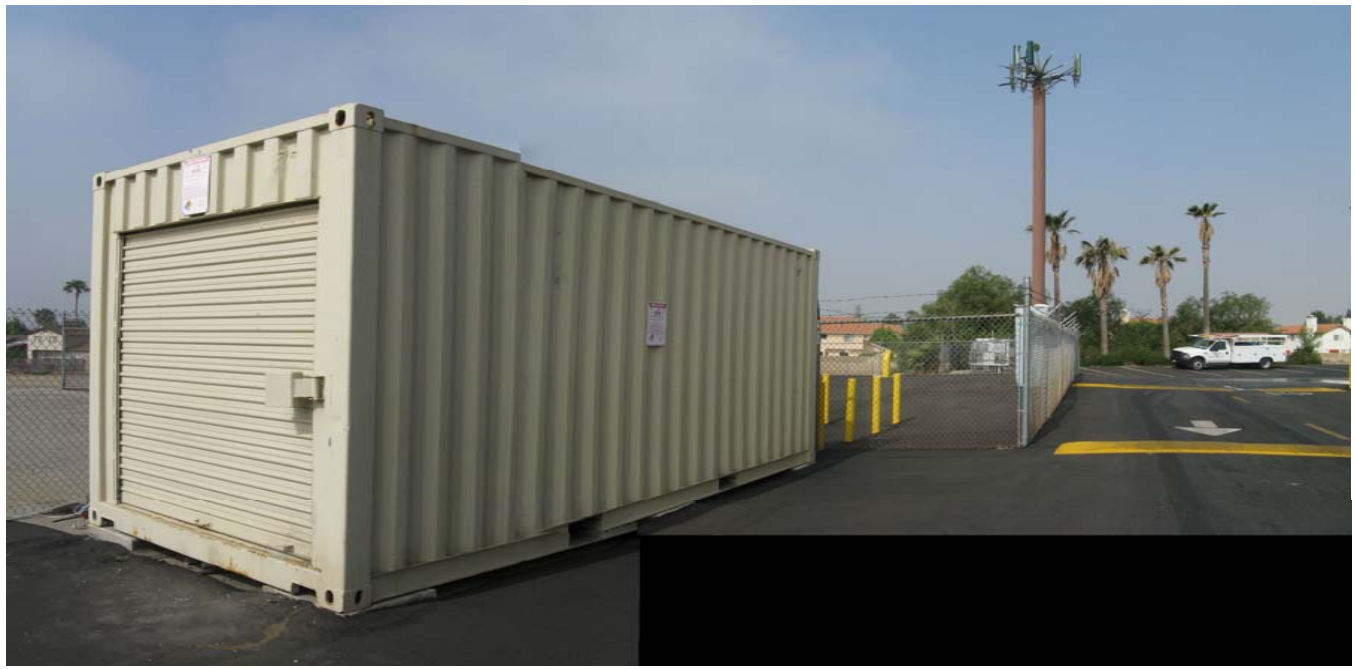
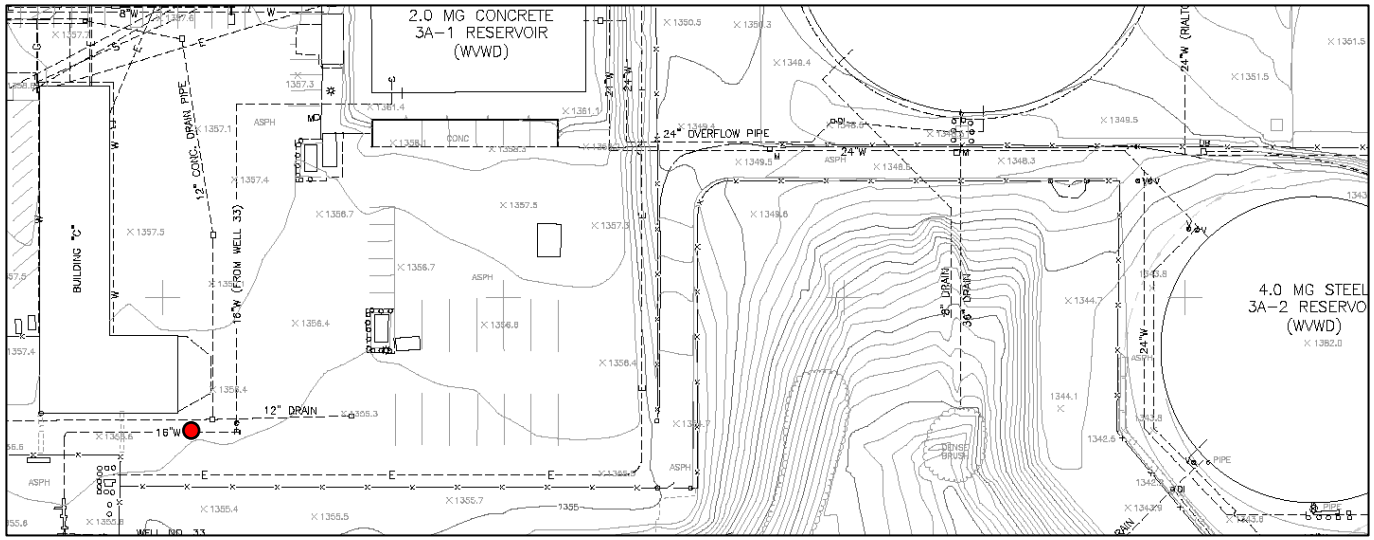


Photo 15

Storage container
Facing southwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009

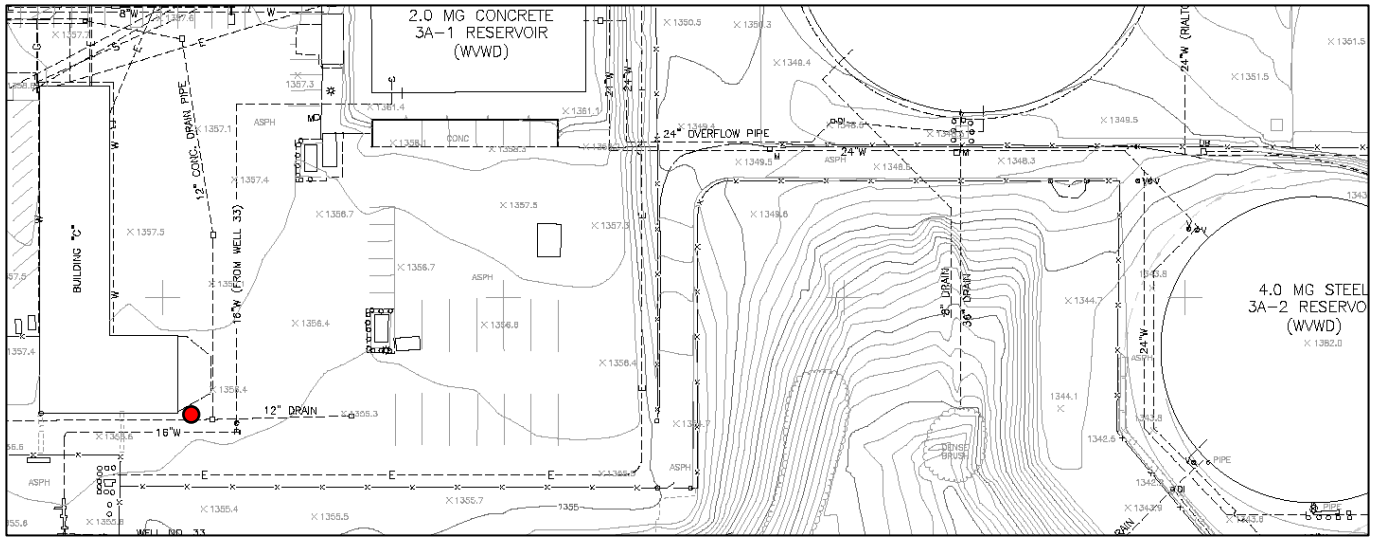


Approximate location at which photos were taken.

Photo 16

Building C (left) and open parking/storage lot (right).
Facing northeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

Approximate location at which photos were taken.

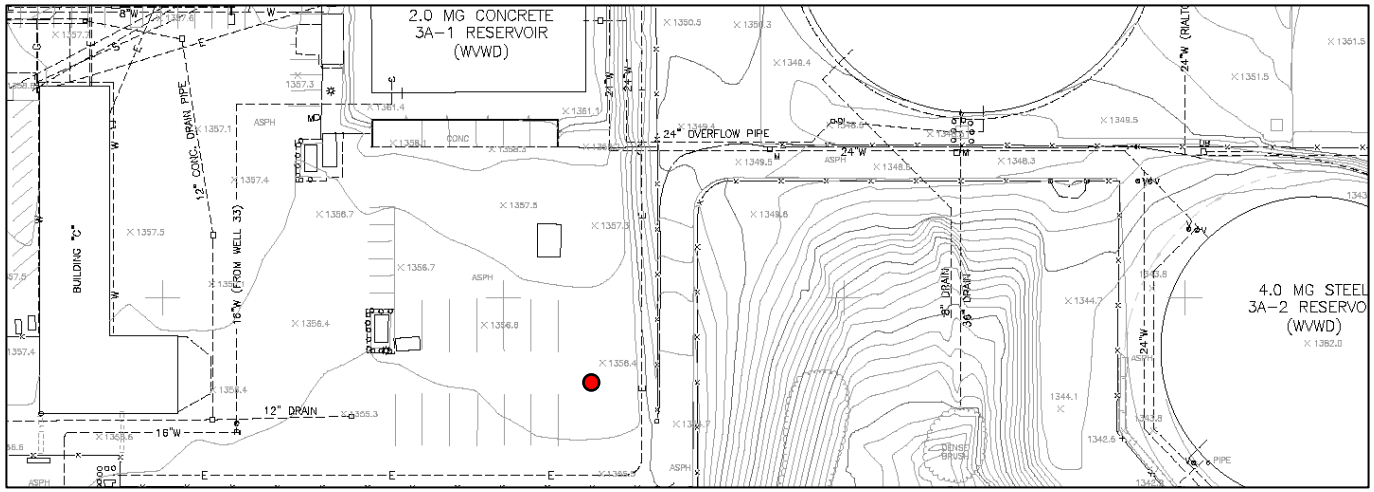
Photo 17

Storage area for piping, plastics, scrap metal and wood.
Facing east (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 18

Building C
Facing west (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



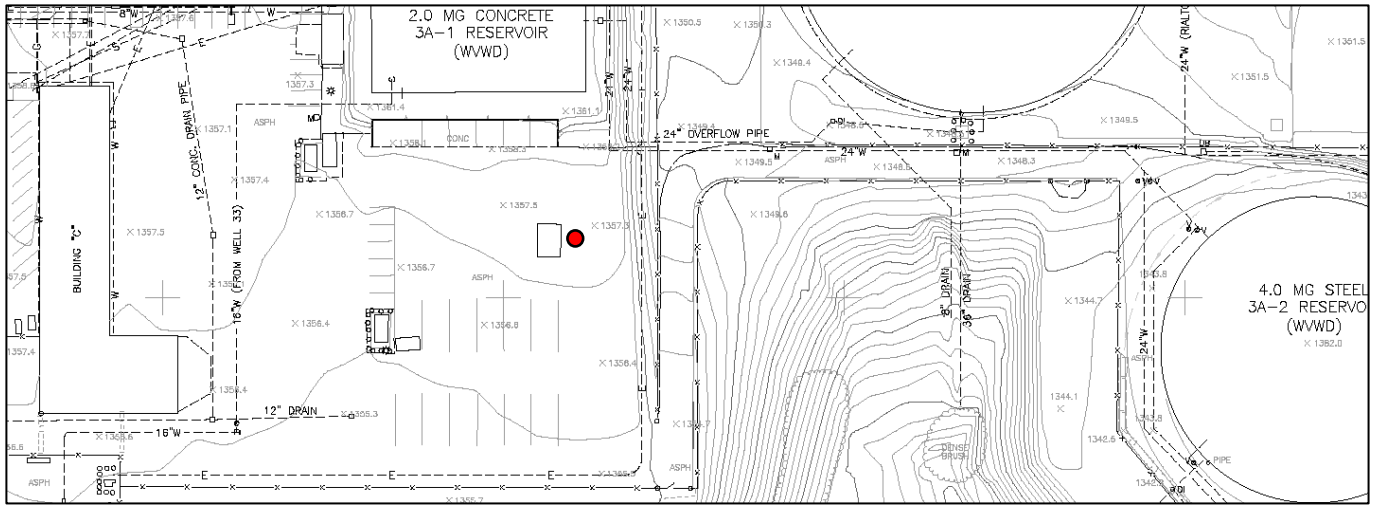
N

Approximate location at which photos were taken.

Photo 19

Storage area for various piping, plastics, scrap metal and wood.
Facing northwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

Approximate location at which photos were taken.

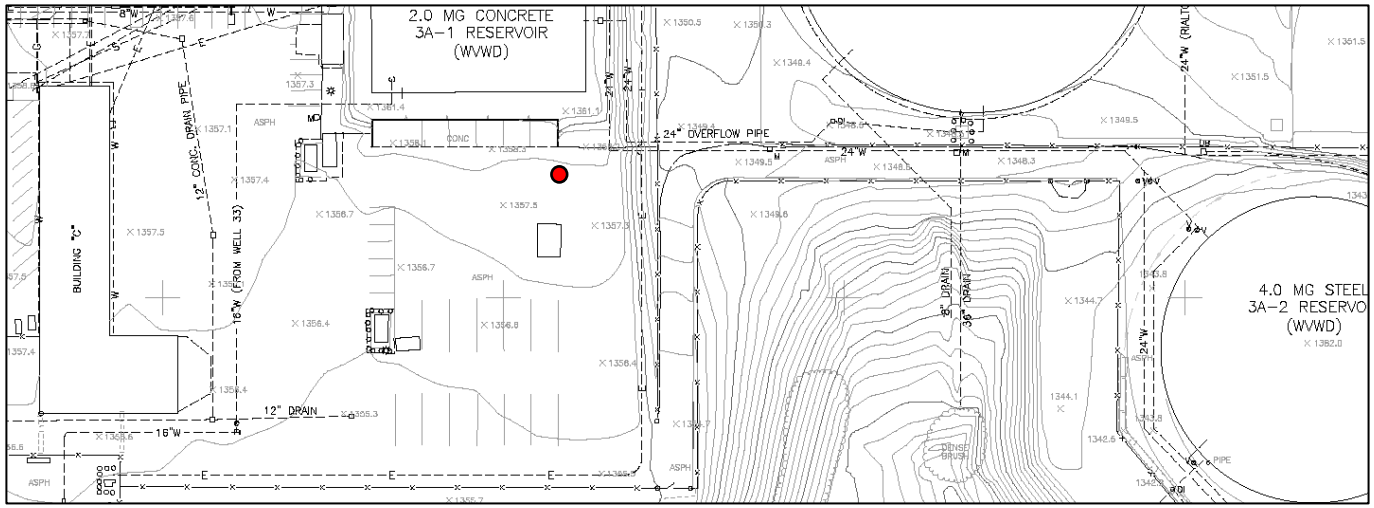
Photo 20

Drums of used oil under small canopy
Facing west (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 21

4.0 million gallon, steel reservoir
Facing east (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009

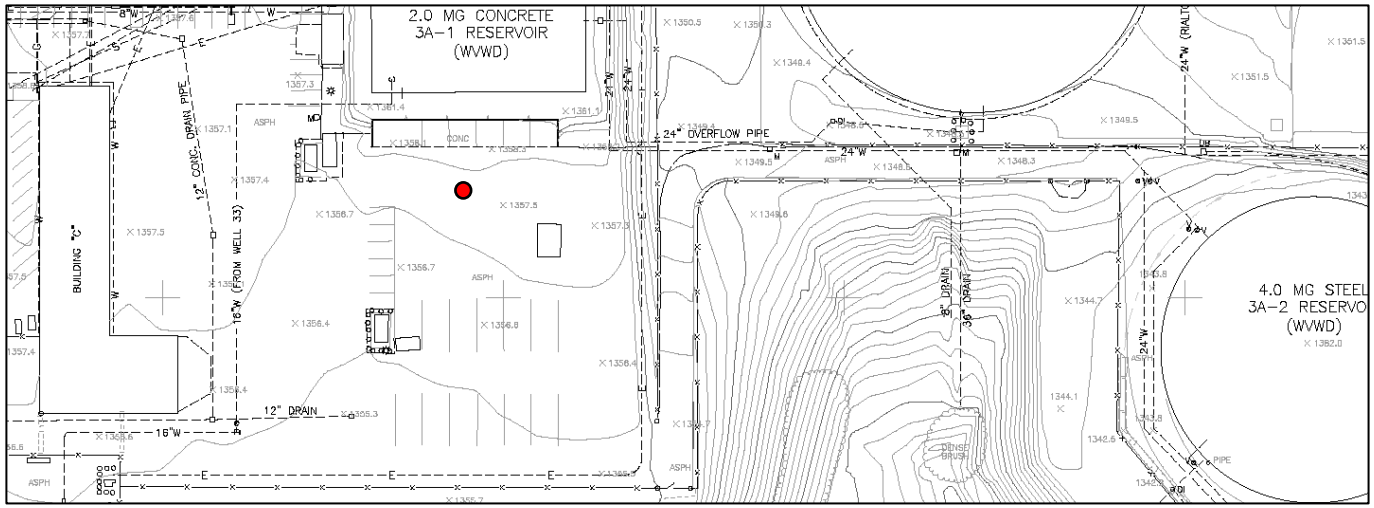


N

Approximate location at which photos were taken.

Photo 22
Refuse staging area: segregated stockpiles of asphalt and sand.
Facing northwest (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



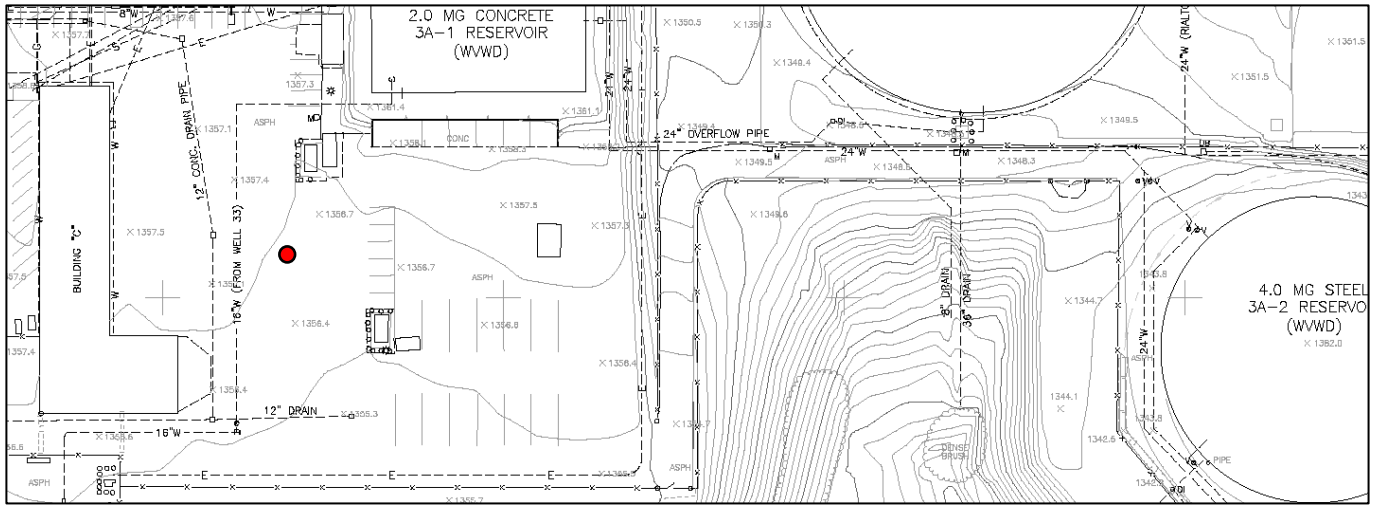
N

Approximate location at which photos were taken.

Photo 23

Storage area for piping, plastics, scrap metal and wood.
Facing south (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



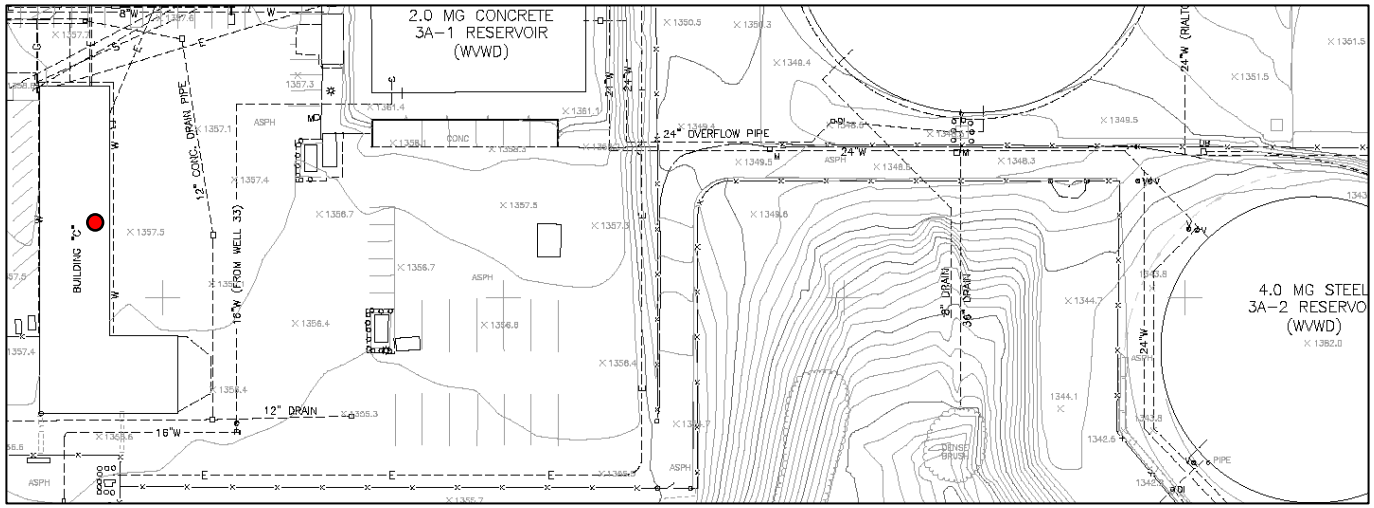
N

Approximate location at which photos were taken.

Photo 24

Building C and east parking lot for vehicles.
Facing southeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



Approximate location at which photos were taken.

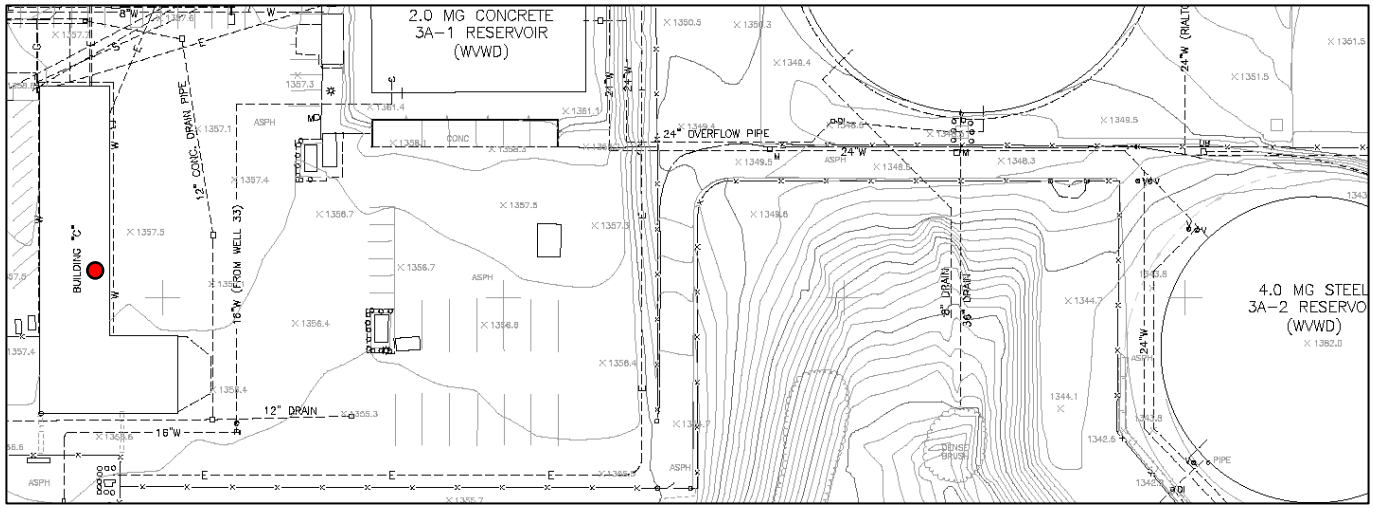
Photo 25

Generator in Building C
Facing northeast (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 26

Equipment and parts in Building C
Facing north (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



● Approximate location at which photos were taken.

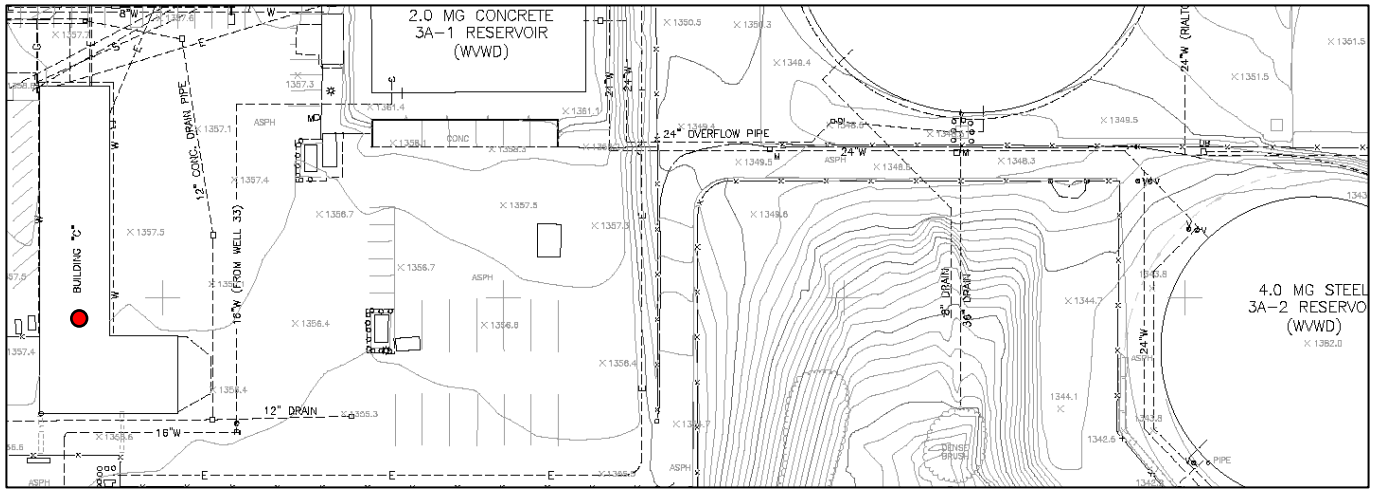
Photo 27

Generators, other equipment, tools and parts in Building C
Facing south (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 28

Equipment and floor drains in Building C
Facing west (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



Approximate location at which photos were taken.

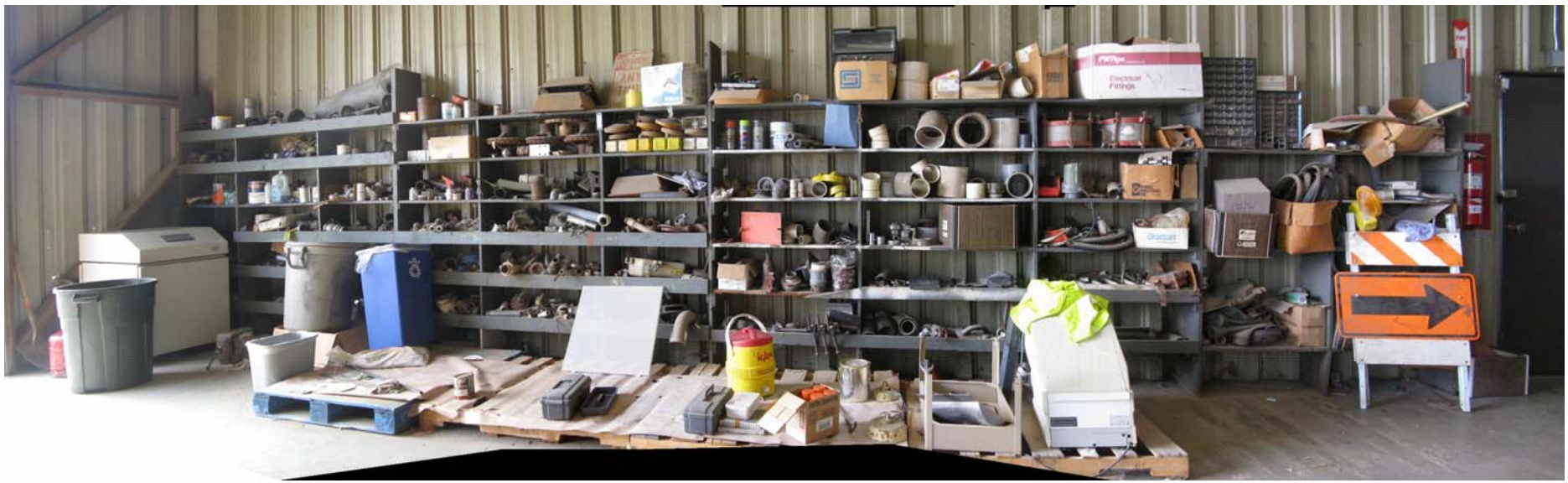
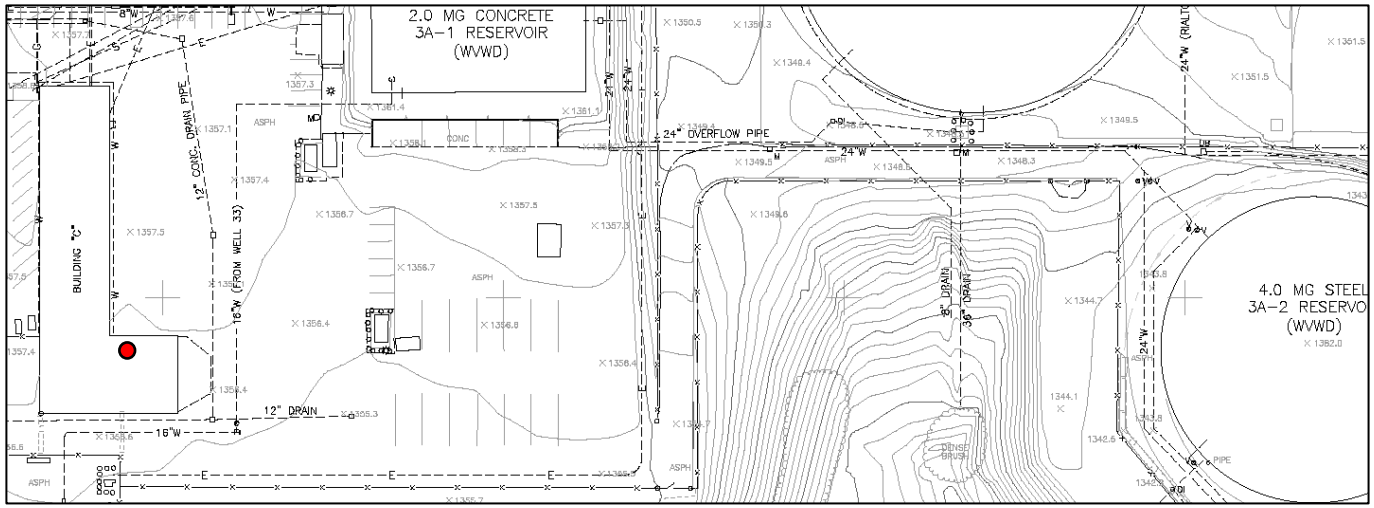


Photo 29

Equipment, tools and parts along south wall in Building C
Facing south (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



Approximate location at which photos were taken.

Photo 30

Forklift and generator in Building C (note there is 1 floor drain under the forklift).
Facing southeast (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

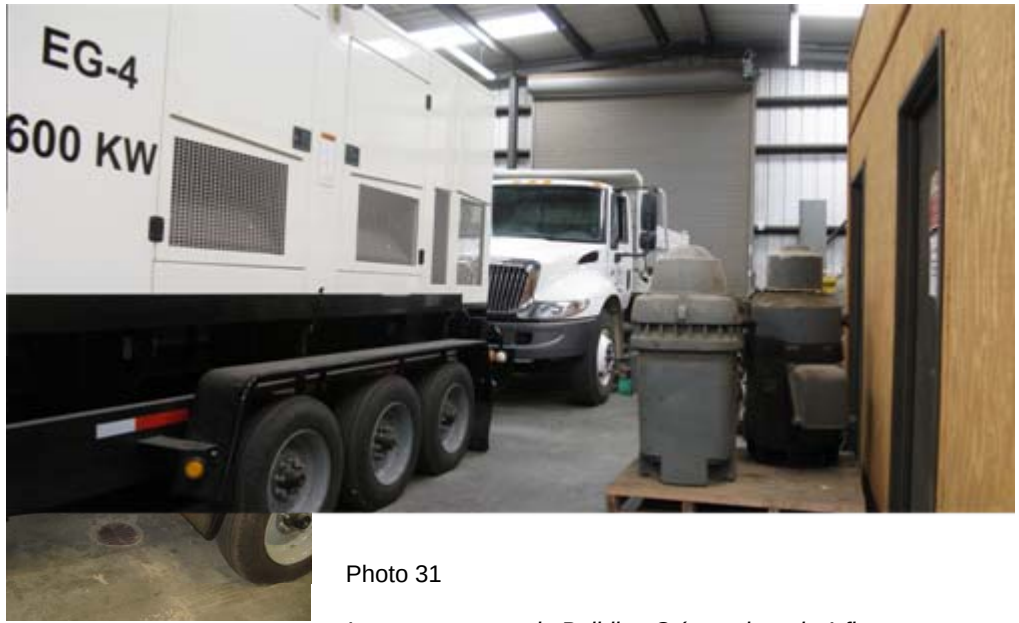
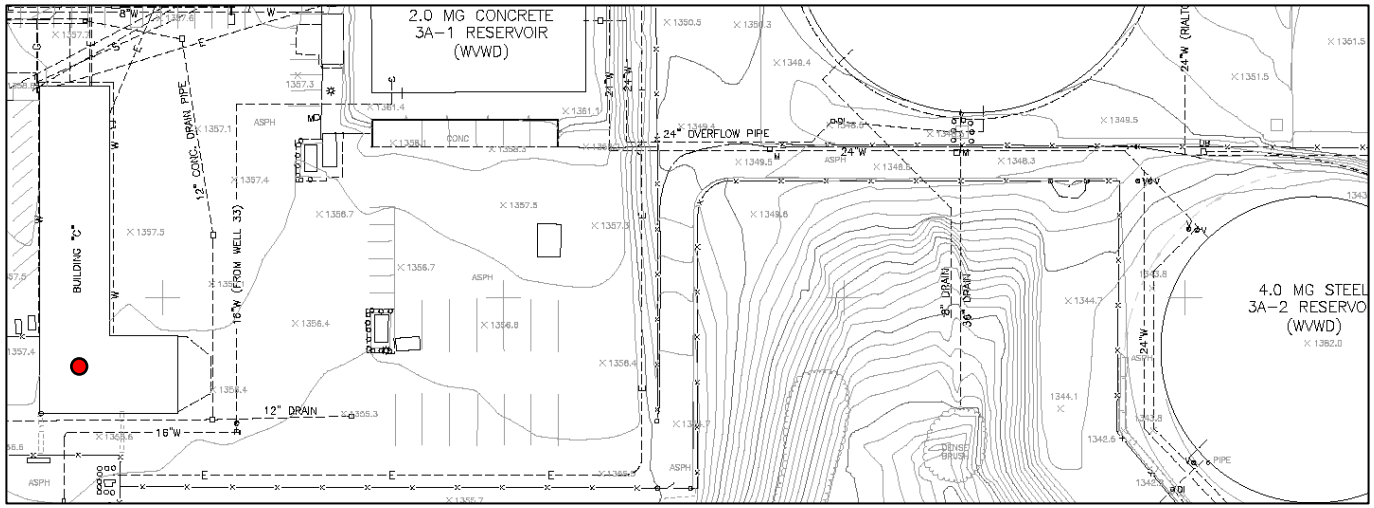


Photo 31

Large generators in Building C (note there is 1 floor drain under the generator and under the truck).
Facing southwest (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



Approximate location at which photos were taken.

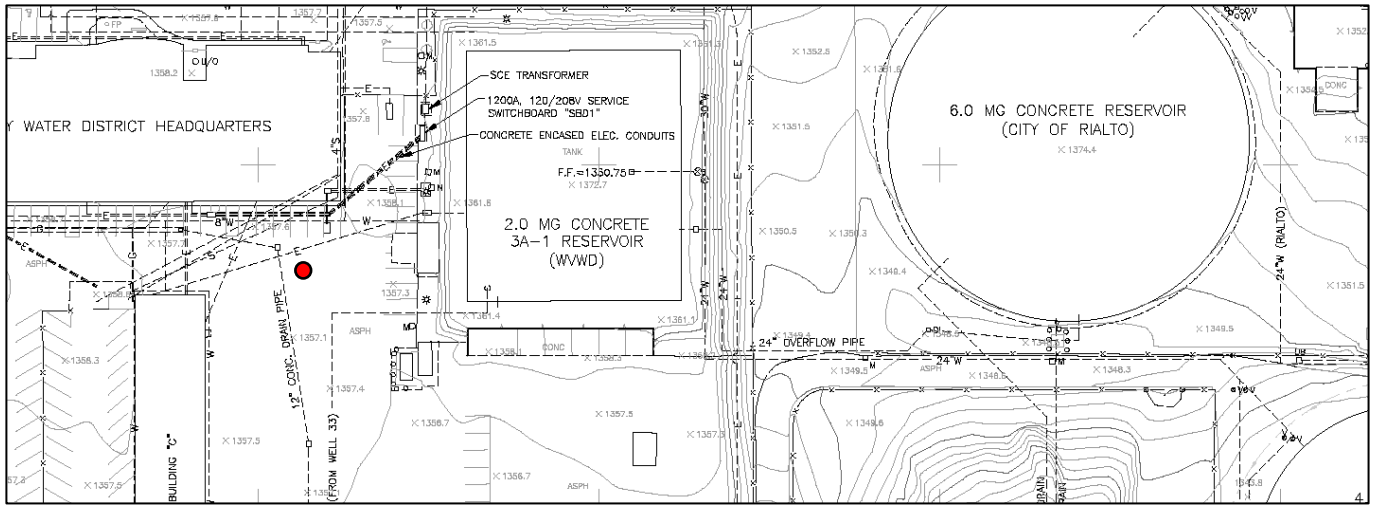
Photo 32

Various equipment, tools and parts in Building C
Facing southwest (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 33

Various equipment, tools and parts in Building C
Facing northwest (indoor lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



Approximate location at which photos were taken.

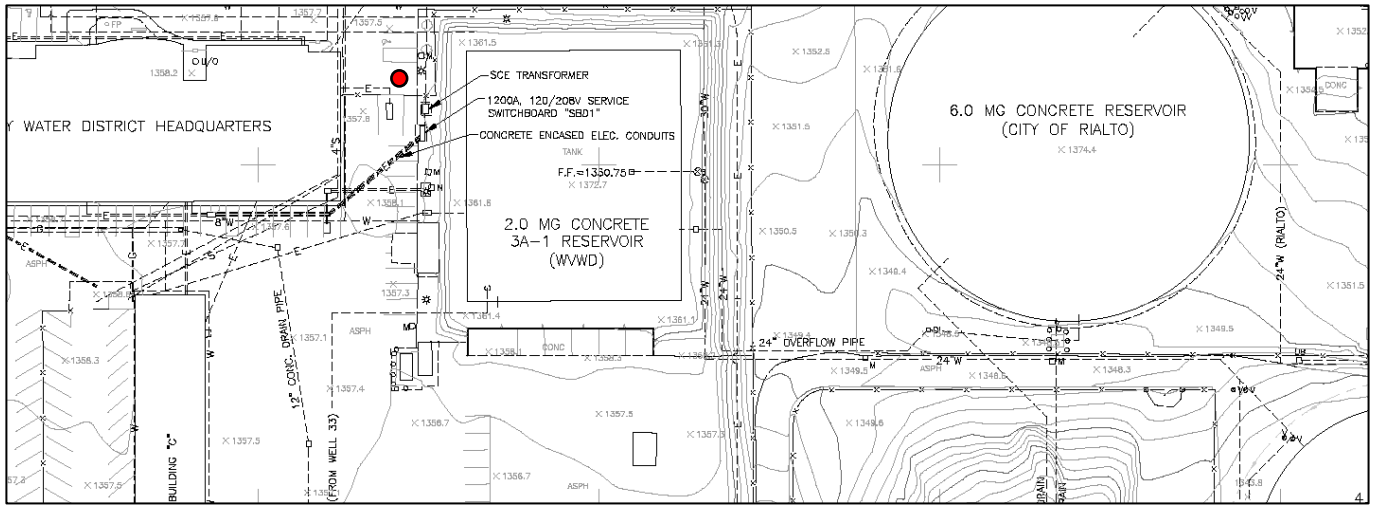
Photo 34

Antenna for local radio communication with staff.
Facing west (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 35

Covered access to electric..
Facing north (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo Log – West Valley Water District – Phase 1 Site Reconnaissance on May 11, 2009



N

Approximate location at which photos were taken.

Photo 36

Emergency generator.
Facing north (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

Photo 37

Transformer (left) and Service Switchboard (right).
Facing northeast (morning lighting)
Photographer: N.Stroud (K/J)
Photo taken on 5/11/09

APPENDIX ~~B~~C

RIALTO WVWD WATER TREATMENT PLANT NOISE CALCULATIONS
(Contained on enclosed CD-ROM)

M E M O R A N D U M

DATE: July 1, 2009

TO: Ray Hussey

FROM: Tony Chung

SUBJECT: Rialto WVWD Water Treatment Plant Noise

LSA Associates, Inc. (LSA) conducted a noise impact study for the West Valley Water District (WVWD) Wellhead Treatment Project. The following summarizes our findings.

The proposed project involves pumping contaminated water from two wells, conveying it to a new treatment plant, treating it, and conveying the treated water back into the drinking water system. The wellhead pump motors will have 350 horsepower (hp) and will be housed in an enclosed structure. There will be various equipment located at the treatment plant, including 12 pumps, 4 air blowers, 2 air compressors, and other ancillary equipment (see Attachment A). Among them, 6 pieces of equipment will be located in an outdoor area and 11 of them will be inside the treatment building.

Noise levels in terms of sound pressure level (SPL) at a nominal 3-feet distance are provided by the manufacturers (see Attachment A). Noise levels associated with the 13 pumps are calculated based on their individual horsepower (hp) rating and speed (in terms of revolution per minute, or rpm). Using the methodologies provided in Noise Control for Buildings and Manufacturing Plants (Bolt, Beranek and Newman, Inc., 1982), individual pump noise at the nominal 3-feet distance was estimated (see Attachment A).

Treatment Plant

Based on the site plan and preliminary layout of the equipment, some of the equipment would be installed close to each and act like a cluster of noise sources. Although the individual source noise level is estimated at the 3-feet nominal distance, it is assumed that when they form a cluster of noise sources, the noise levels are added together and the resultant noise level is the noise level at 3 feet from the center of the cluster. The following clusters of noise sources were formed based on their locations shown on the project's site plan.

Cluster 1: B-400 Filter Backwash Pump (150 hp, 1750 rpm, 96 dBA at 3 feet), P-405 Treated Water Pump (75 hp, 1750 rpm, 93 dBA at 3 feet), and P-450 and P-450B Drywell Sump Pump (075 hp, 1750 rpm, 73 dBA at 3 feet). The combined noise level is 97.8 dBA at 3 feet from the center of the cluster.

Cluster 2: B-300A Filter Air Blower (25 hp, 3500 rpm, 86 dBA at 3 feet), B-300B Filter Air Blower (25 hp, 3500 rpm, 86 dBA at 3 feet), C-1010 Air Compressor (15 hp, 1450 rpm, 81 dBA at 3 feet), and C-1020 Air Compressor (15 hp, 1450 rpm, 81 dBA at 3 feet). The combined noise level is 89.6 dBA at 3 feet from the center of the cluster.

Cluster 3: P-430 Recovered Water Pump (5 hp, 1750 rpm, 81 dBA at 3 feet) and P-640 Analyzer Recycle Pump (0.75 hp, 3450 rpm, 70 dBA at 3 feet). The combined noise level is 81.5 dBA at 3 feet from the center of the cluster.

Cluster 4: P-110 Fludization Pump #1 (25 hp, 1150 rpm, 83 dBA at 3 feet), P-120 Fluidization Pump #2 (25 ho, 1150 rpm, 83 dBA at 3 feet), B-200A Aeration Air Blower (10 hp, 4610 rpm, 72 dBA at 3 feet), B-200B Aeration Air Blower (10 hp, 4610 rpm, 87 dBA at 3 feet), P-420 DAF Circulation Pump (20 hp, 3500 rpm, 84 dBA at 3 feet). The combined noise level is 90.5 dBA at 3 feet from the center of the cluster.

Cluster 5: P-220 Filter Feed Pump (40 hp, 1150 rpm, 85 dBA at 3 feet), P-410 Backwash Recycle Pump (7.5 hp, 1750 rpm, 83 dBA at 3 feet), and P-415 Backwash Mixing Pump (20 hp, 1150 rpm, 92 dBA at 3 feet). The combined noise level is 86.5 dBA at 3 feet from the center of the cluster.

Clusters 2, 3, and 4 will all be inside the treatment building, which consists of concrete walls that provide approximately 30 dBA in building (interior-to-exterior) noise attenuation. This assumes that no holes or gaps in the concrete walls and all ventilation openings will be covered with louvers. Inside the treatment building, the three clusters of noise sources are at some distance from each other and would not form a giant cluster. For example, at the center of the building interior where the distance to these clusters is 30 feet, there would be a 20 dBA noise reduction from all three clusters, making the overall noise level at the center of the building interior to be 74 dBA, assuming the pumps and blowers are in use 24 hours a day continuously. However, for employees that need to work more than 8 hours a day near Cluster 2 (89.6 dBA) and Cluster 4 (90.5 dBA), hearing protection programs need to be implemented. If none of the employees would be working more than 8 hours a day near these clusters of noise sources, no hearing protection program is required. Using the 30 dBA building noise attenuation, the noise level just outside the treatment building would be 59.6 dBA (Cluster 2), 51.5 dBA (Cluster 3), and 60.5 dBA (Cluster 4). This range of noise levels is much lower than those outdoor clusters and would not contribute measurably to the overall plant noise to any offsite locations.

The closest sensitive receptors to noise are existing medium-density single-family lots (3 to 6 dwelling units per acre) west of the proposed treatment facility, approximately 500 feet west of the project site and east of Cactus Avenue approximately 600 feet east of the proposed treatment facility. At a distance of 500 feet, the noise will be reduced by 44 dBA when compared to the noise level at 3 feet. At 600 feet, the noise level will be reduced by 46 dBA compared to at 3 feet. Therefore, noise levels from Cluster 5 will be reduced to 22.5 dBA at the residential area to the west and 20.5 dBA at the residential area to the east. Similarly, noise level from Cluster 1 will be reduced to 53.8 dBA at residential area to the west and 51.8 dBA at residential area to the east.

If we assume that no other noise sources are contributing to the ambient noise in the residential areas to the east and west of the treatment plant, the 24-hour noise level at the nearest residences to the west would be approximately 58.2 dBA CNEL. Residences to the east of the treatment plant would be exposed to 54.2 dBA CNEL noise level from the treatment plant. Both noise levels would be below the 65 dBA CNEL exterior noise standard for residential uses.

These noise levels assumed that there is no natural or manmade shielding between the treatment plant building and the nearest residences to the east or west. In realty, these noise levels would be further reduced by such shielding and would be lower than those identified above.

Wellhead Pumps

The wellhead pump at Well #6 and Well #11 would have 350 hp and operating at 1750 rpm. The noise level estimated is 99 dBA at 3 feet. Since these wellhead pump would be enclosed in a concrete structure with a minimum 30 dBA noise reduction from the interior to the exterior of the concrete enclosure, the wellhead pump noise would be reduced to 69 dBA just outside (3 feet, for example) the concrete enclosure. The nearest residence to the Well #6 pump house is 50 feet away and would receive a noise attenuation from distance divergence of 24 dBA, reducing the wellhead pump noise to 45 dBA. Similarly, at Well #11, the nearest residence is approximately 75 feet (-28 dBA) away and the wellhead pump noise would be reduced to 41 dBA.

If we assume that no other noise sources are contributing to the ambient noise in the residential area surrounding these wellhead pumps, the 24-hour noise level at the nearest residence around Well #6 would be approximately 51.6 dBA CNEL. Residences around Well #11 would be exposed to 47.6 dBA CNEL noise level from the wellhead pump. Both noise levels would be below the 65 dBA CNEL exterior noise standard for residential uses.

ATTACHMENT A

ELECTRICAL EQUIPMENT LIST AND ASSOCIATED NOISE LEVELS AT 3 FEET

Appendix A

ELECTRICAL EQUIPMENT LIST - Future and Spares

West Valley/Rialto

3 Phase Device	Motor HP	Motor RPM	Room for Spare	dBA	Motor HP	Addition for Future Expansion	Room for Future Spare	Comments
P-110 Fluidization Pump #1	25	1150		83	25	P-130A Fluidization Pump		
	25	1150	P-110B Fluidization Pump	83	25		P-130B Fluidization Pump	
P-120 Fluidization Pump #2	25	1150		83	25	P-140A Fluidization Pump		
	25	1150	P-120B Fluidization Pump	83	25		P-140B Fluidization Pump	
P-220 Filter Feed Pump	40	1150		85	40	P-220C Filter Feed Pump		
	40	1150	P-220B Filter Feed Pump	85	40		P-220D Filter Feed Pump	
B-200A Aeration Air Blower	10	4610		72	10	B-200C Aeration Air Blower		Sound Pressure Level: 72 dB(A)
B-200B Aeration Air Blower	10	4610		87	10	B-200D Aeration Air Blower		Sound Power Level: 87dB(A)
B-300A Filter Air Blower	25	3500		86	25	B-300C Filter Air Blower		Sound Level: 85.6 dB(A)
B-300B Filter Air Blower	25	3500		86	25	B-300D Filter Air Blower		Sound Level: 85.6 dB(A)
P-400 Filter Backwash Pump	150	1750		96	150	P-400C Filter Backwash Pump		Intermittent Duty
P-405 Treated Water Pump	75	1750		93	75	P-405C Treated Water Pump		
	75	1750	P-405B Treated Water Pump	93	0		Common spare	
P-410 Backwash Recycle Pump	7.5	1750		83	7.5	P-410C Backwash Recycle Pump		
	7.5	1750	P-410B Backwash Recycle Pump	83	0		Common spare	
P-415 Backwash Mixing Pump	20	1150		82	0	Not Needed, Sump Designed for 4000 gpm		Intermittent Duty
	20	1150	P-415B Backwash Mixing Pump	82	0		Not needed	Intermittent Duty
D-410 Dissolved Air Flotation System						D-410B Dissolved Air Flotation System		
Chain Top Skimmer						Chain Top Skimmer		
Auger						Auger		
P-420 DAF Circulation Pump	20	3500		84	20	P-420B DAF Circulation Pump		
	0		P-420 Shelf Spare, Not Wired		0			
P-430 Recovered Water Pump	5	1750		81	5	P-430C Recovered Water Pump		
	5	1750	P-430B Recovered Water Pump	81	5		P-430D Recovered Water Pump	
P-450 Drywell Sump Pump	0.75	1750		73	0	Not Needed, DryWell Designed for 4000 gpm		Intermittent Duty
P-450B Drywell Sump Pump	0.75	1750		73	0		Not needed	Intermittent Duty
P-640 Analyzer Recycle Pump	0.75	3450		70	0	Not Needed, Analyzer Rack Accomodates 4000 gpm system		Intermittent Duty
	0		P-640 Shelf Spare, Not Wired		0		Not needed	Intermittent Duty
C-1010 Air Compressor	15	1450		81	15	C-1030 Air Compressor		
C-1020 Air Compressor	15	1450		81	15	C-1040 Air Compressor		

APPENDIX D

CEQA NOTICES AND COMMENTS RECEIVED
(Contained on enclosed CD-ROM)

Notice of Completion & Environmental Document Transmittal

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

SCH #

Project Title: Wellhead Treatment System

Lead Agency: West Valley Water District
Contact Person: Tom Crowley
Mailing Address: 855 W. Base Line Road
Phone: 909-875-1804
City: Rialto
Zip: 92376
County: San Bernardino

Project Location: County: San Bernardino
City/Nearest Community: Rialto
Cross Streets: Baseline Road and Cactus Avenue
Zip Code: 92376
Longitude/Latitude (degrees, minutes and seconds): 117 ° 23 ′ 11.8 ″ N / 34 ° 7 ′ 14.8 ″ W
Total Acres: 6.13
Assessor's Parcel No.: 012802114
Section: 3
Twp.: 1s
Range: 5w
Base: SBBM
Within 2 Miles: State Hwy #: I-210
Waterways: N.A.
Airports: Rialto Airport
Railways: BNSF
Schools: Eisenhower High School

Document Type:

CEQA:
- ☐ NOP
- ☐ Early Cons
- ☐ Neg Dec
- ☑ Mit Neg Dec
- ☐ Draft EIR
- ☐ Supplement/Subsequent EIR (Prior SCH No.) _____
- Other: _____

NEPA:
- ☐ NOI
- ☐ EA
- ☐ Draft EIS
- ☐ FONSI

Other:
- ☐ Joint Document
- ☐ Final Document
- ☐ Other: _____

Local Action Type:

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

Development Type:

- ☐ Residential: Units _____ Acres _____
- ☐ Office: Sq.ft. _____ Acres _____ Employees _____
- ☐ Commercial: Sq.ft. _____ Acres _____ Employees _____
- ☐ Industrial: Sq.ft. _____ Acres _____ Employees _____
- ☐ Educational: _____
- ☐ Recreational: _____
- ☑ Water Facilities: Type Well Treatment MGD 2,000 GPM
- ☐ Transportation: Type _____
- ☐ Mining: Mineral _____
- ☐ Power: Type _____ MW _____
- ☐ Waste Treatment: Type _____ MGD _____
- ☐ Hazardous Waste: Type _____
- ☐ Other: _____

Project Issues Discussed in Document:

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

Present Land Use/Zoning/General Plan Designation:

Existing Land Use: Open Space-Flood Control and Public Use-Reserviors/Wells Energy; Existing Zoning: General Manufacturing

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

The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichloroethylene (TCE) from groundwater coming from two drinking water production wells located in the Rialto-Colton Groundwater Basin (Basin). Groundwater from Rialto Well No. 6 and West Valley Water District Well No. 11 will be conveyed approximately 6,300 linear feet via existing and new pipelines to a proposed wellhead treatment plant. Upon successful completion of a required initial startup demonstration period (of up to one year) overseen by the California Department of Public Health approximately 2,000 gallons per minute (gpm) of treated groundwater from the proposed project will be used by District and the City for drinking water supply.

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

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with and "**X**".
If you have already sent your document to the agency please denote that with an "**S**".

_____ Air Resources Board
_____ Boating & Waterways, Department of
_____ California Highway Patrol
_____ Caltrans District # _____
_____ Caltrans Division of Aeronautics
_____ Caltrans Planning
_____ Central Valley Flood Protection Board
_____ Coachella Valley Mtns. Conservancy
_____ Coastal Commission
_____ Colorado River Board
_____ Conservation, Department of
_____ Corrections, Department of
_____ Delta Protection Commission
_____ Education, Department of
_____ Energy Commission
_____ Fish & Game Region # _____
_____ Food & Agriculture, Department of
_____ Forestry and Fire Protection, Department of
_____ General Services, Department of
_____ Health Services, Department of
_____ Housing & Community Development
_____ Integrated Waste Management Board
_____ Native American Heritage Commission
_____ Office of Emergency Services
_____ Office of Historic Preservation
_____ Office of Public School Construction
_____ Parks & Recreation, Department of
_____ Pesticide Regulation, Department of
_____ Public Utilities Commission
_____ Regional WQCB # _____
_____ Resources Agency
_____ S.F. Bay Conservation & Development Comm.
_____ San Gabriel & Lower L.A. Rivers & Mtns. Conservancy
_____ San Joaquin River Conservancy
_____ Santa Monica Mtns. Conservancy
_____ State Lands Commission
_____ SWRCB: Clean Water Grants
_____ SWRCB: Water Quality
_____ SWRCB: Water Rights
_____ Tahoe Regional Planning Agency
_____ Toxic Substances Control, Department of
_____ Water Resources, Department of

_____ Other: _____
_____ Other: _____

Local Public Review Period (to be filled in by lead agency)

Starting Date July 2, 2009 Ending Date July 31, 2009

Lead Agency (Complete if applicable):

Consulting Firm: LSA Associates
Address: 1500 Iowa Avenue Suite 200
City/State/Zip: Riverside, CA 92507
Contact: Ray Hussey
Phone: 951-781-9310

Applicant: West Valley Water District
Address: 855 West Baseline Road
City/State/Zip: Rialto, California 92376
Phone: 909-875-1804

Signature of Lead Agency Representative: _____ **Date:** _____

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

West Valley Water District

Wellhead Treatment System Project

NOTICE OF INTENT

FROM: West Valley Water District
855 West Baseline
Rialto, California 92377

TO: ☒ OFFICE OF PLANNING AND RESEARCH
1400 Tenth Street, Room 121
Sacramento, CA 95814

☒ COUNTY CLERK
County of San Bernardino
385 North Arrowhead Avenue
San Bernardino, CA 92415

SUBJECT: Notice of Intent to Adopt a Mitigated Negative Declaration in accordance with the California Environmental Quality Act, Section 15085 and 15087 of the Public Resources Code.

Project Title: Wellhead Treatment System Project
Project Location – Specific: 855 West Baseline Road in the City of Rialto
Project Location – City: Rialto County – San Bernardino
Project Applicant – West Valley Water District

Project Description: The proposed project consists of the construction and operation of a groundwater wellhead treatment system to remove nitrate, perchlorate, and trichloroethylene (TCE) from groundwater coming from two drinking water production wells located in the Rialto-Colton Groundwater Basin (Basin). As part of the proposed project, groundwater from Rialto Well No. 6 (located off Etiwanda Avenue in Rialto) and West Valley Water District (District) Well No. 11 (located off Willow Avenue in Rialto) will be conveyed approximately 6,300 linear feet via existing and new pipelines to a proposed wellhead treatment plant to be built at the District's headquarters located at 855 West Baseline in the City of Rialto (City). Upon successful completion of a required initial startup demonstration period (of up to one year) overseen by the California Department of Public Health (CDPH), approximately 2,000 gallons per minute (gpm) of treated groundwater from the proposed project will be used by District and the City for drinking water supply.

Lead Agency: West Valley Water District

The Initial Study and Supporting Documentation is Available for Public Review at the Following Locations:

- West Valley Water District Headquarters, 855 W. Baseline, Rialto, CA 92377
- San Bernardino County Clerk, 385 North Arrowhead Avenue, San Bernardino, CA 92415

The project site is not located in the State of California Hazardous Waste and Substances Sites List pursuant to Government Code Section 65962.5(E).

Review Period: July 2, 2009 – July 31, 2009. Following the public review period, the project and proposed Mitigated Negative Declaration will be considered by the West Valley Water District Board at their regularly scheduled meeting on August 6th, 2009.

Contact Person: Tom Crowley, (909) 875-1804

Signature: Thomas J. Crowley **Date:** 7/1/09

Title: Asst. General Manager

Date received for filing at OPR: _____

Clerk of the Board of Supervisors
County of San Bernardino
385 Arrowhead, 2nd Floor
San Bernardino, CA 92415-0130

Edison International
1351 East Francis
Ontario, CA 91764

Office of Planning & Research
State Clearinghouse
1400 Tenth Street
Sacramento, CA 95814

Pete Fox, Utilities Division
Public Works Department
City of Rialto
335 W. Rialto Avenue
Rialto, CA 92376

Kurt Berchtold, Asst. Executive Officer
CA Reg. Water Quality Control Board #8
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

Director of Planning
San Bernardino County Planning
Department 385 North Arrowhead Ave.
San Bernardino, CA 92415-0182

Heather Collins, Chief, South Coast Section
Drinking Water Field Operations
California Department of Public Health
464 W. Fourth Street, Suite 529
San Bernardino, CA 92401

Tom Crowley, Assistant General Manager
West Valley Water District
855 W. Baseline
Rialto, CA 92377

Local Government – CEQA Program Supervisor
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765-4182

Ken Miller
San Bernardino County Flood Control District
825 East 3rd St.
San Bernardino, CA 92415-0835

Gina Gibson, Planning Division
Development Services Department
City of Rialto
150 S. Palm Avenue
Rialto, CA 92376

State of California—Health and Human Services Agency
Department of Public Health

Mark B Horton, MD, MSPH
Director

ARNOLD SCHWARZENEGGER
Governor

RECEIVED
JUL 28 2009
STATE CLEARING HOUSE

July 28, 2009

West Valley Water District
Attn: Tom Crowley
855 W. Base Line Road
Rialto, CA 92376

Dear Mr. Crowley:

RE: West Valley Water District, Wellhead Treatment System, Mitigated Negative Declaration; SCH # 2009071011

Thank you for the opportunity to review the above document. The California Department of Public Health (CDPH), Division of Drinking Water and Environmental Management is responsible for issuing water supply permits administered under the Safe Drinking Water Act and will need to issue a new or amended Water Supply Permit for the above referenced project. A project triggers a permit if it includes increases or changes in water supply, storage, or treatment of drinking water. CDPH will be a "responsible agency" pursuant to the California Environmental Quality Act (CEQA) and considers the above referenced document as adequate to meet the CDPH CEQA permit requirements.

West Valley Water District (WVWD) proposes to construct and operate a new groundwater treatment system to remove nitrate, perchlorate, and trichloroethylene (TCE) from water supply wells Rialto Well No. 6 and WVWD Well No. 11. The treatment system is proposed to produce approximately 2,000 gallons per minute of treated groundwater to be used by WVWD and the City of Rialto. Rialto Well No. 6 is located off Etiwanda Avenue in the City of Rialto and WVWD Well No. 11 is located off Willow Avenue in the City of Rialto. The treatment system will be built at WVWD's headquarters located at 855 West Baseline in the City of Rialto. Both wells will be required to submit a 97-005 permit to CDPH in addition to WVWD and the City of Rialto's filing of CEQA documents.

When the review process has ended, please forward the following items with your permit application:

- Copy of the Board Resolution or Board Minutes adopting the Mitigated Negative Declaration and approving the project;
- Copy of the stamped Notice of Determination (NOD) filed at the San Bernardino County Clerk's Office (Note: The NOD must also be submitted to the State

Clearinghouse);

- Copy of the California Department of Fish and Game receipt issued by the San Bernardino County Clerk's Office;
- Copies of any comment letters received locally or through the State Clearinghouse.

Please contact Sean McCarthy, District Engineer, San Bernardino District Office, at (909) 383-4328 if you have any questions regarding permit applications, permits, or permit amendments. If you have any questions about this letter or CDPH's environmental review requirements, please call me at (916) 324-6894 or email to lance.salisbury@cdph.ca.gov.

Sincerely,

Lance Salisbury
CDPH Environmental Review Unit

Cc: CDPH San Bernardino District Office
Governor's Office of Planning and Research, State Clearinghouse

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maziar Movassaghi
Acting Director
5796 Corporate Avenue
Cypress, California 90630

Arnold Schwarzenegger
Governor

RECEIVED
AUG 0 8 2009
W.V.W.D.

July 29, 2009

Mr. Tom Crowley
Assistant General Manager
West Valley Water District
855 West Baseline Road
Rialto, California 92376

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR WELLHEAD TREATMENT SYSTEM PROJECT (SCH # 2009071011), SANBERNARDINO COUNTY

Dear Mr. Crowley:

The Department of Toxic Substances Control (DTSC) has received your submitted draft Initial Study (IS) and Mitigation Negative Declaration (MND) for the above-mentioned project. The following project description is stated in your document: "The proposed project is the construction and operation of a groundwater wellhead treatment system to remove perchlorate, nitrate, and volatile organic compounds (VOC) from two drinking water wells located in the City of Rialto, California. The proposed project will replace existing pumps in Well No. 6 and Well No. 11 with variable-speed drives to all for optimal flow control and blending. The well modifications may also include mechanical and electrical adjustments to accommodate different hydraulic conditions and control system modification to accommodate the requirements of the new wellhead treatment system. The proposed project will utilize existing and new pipelines located along Etiwanda, Cactus, and Willow Avenue. Adjacent land uses surrounding the proposed wellhead treatment facility site (the District's existing maintenance yard) include flood control basins to the south, water tanks/reservoirs to the east, and District facilities to the north and west." DTSC has the following comments:

1) The ND should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government agency to provide appropriate regulatory oversight. If necessary, DTSC would require an oversight agreement in order to review such documents. Please see comment No. 9 below for more information.

For all identified sites, the EIR should evaluate whether conditions at the site may pose a threat to human health or the environment. Following are the databases of some of the pertinent regulatory agencies:

- National Priorities List (NPL): A list maintained by the United States Environmental Protection Agency (U.S.EPA).
- Envirostor: A Database primarily used by the California Department of Toxic Substances Control, accessible through DTSC's website (see below).
- Resource Conservation and Recovery Information System (RCRIS): A database of RCRA facilities that is maintained by U.S. EPA.
- Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): A database of CERCLA sites that is maintained by U.S.EPA.
- Solid Waste Information System (SWIS): A database provided by the California Integrated Waste Management Board which consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations.
- Leaking Underground Storage Tanks (LUST) / Spills, Leaks, Investigations and Cleanups (SLIC): A list that is maintained by Regional Water Quality Control Boards.
- Local Counties and Cities maintain lists for hazardous substances cleanup sites and leaking underground storage tanks.
- The United States Army Corps of Engineers, 911 Wilshire Boulevard, Los Angeles, California, 90017, (213) 452-3908, maintains a list of Formerly Used Defense Sites (FUDS).

2) All environmental investigations, sampling and/or remediation for the site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including any Phase I or II Environmental Site Assessment Investigations should be summarized in the document. All sampling results in which hazardous substances were found should be clearly summarized in a table.

3) If buildings or other structures, asphalt or concrete-paved surface areas are being planned to be demolished, an investigation should be conducted for the presence of other related hazardous chemicals, lead-based paints or products, mercury, and asbestos containing materials (ACMs). If other hazardous chemicals, lead-based paints or products, mercury or ACMs are identified, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations and policies.

4) Project construction may require soil excavation or filling in certain areas. Sampling may be required. If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils. Also, if the project proposes to import soil to backfill the areas excavated, sampling should be conducted to ensure that the imported soil is free of contamination.

5) Human health and the environment of sensitive receptors should be protected during the construction or demolition activities. If it is found necessary, a study of the site and a health risk assessment overseen and approved by the appropriate government agency and a qualified health risk assessor should be conducted to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment.

6) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, Chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). If it is determined that hazardous wastes will be generated, the facility should also obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942. Certain hazardous waste treatment processes or hazardous materials, handling, storage or uses may require authorization from the local Certified Unified Program Agency (CUPA). Information about the requirement for authorization can be obtained by contacting your local CUPA.

7) If during construction/demolition of the project, the soil and/or groundwater contamination is suspected, construction/demolition in the area should cease and appropriate health and safety procedures should be implemented.

8) If the site was used for agricultural, livestock or related activities, onsite soils and groundwater might contain pesticides, agricultural chemical, organic waste or

other related residue. Proper investigation, and remedial actions, if necessary, should be conducted under the oversight of and approved by a government agency at the site prior to construction of the project.

9) DTSC can provide guidance for cleanup oversight through an Environmental Oversight Agreement (EOA) for government agencies which would not be considered responsible parties under CERCLA, or a Voluntary Cleanup Agreement (VCA) for private parties. For additional information on the EOA or VCA, please see www.dtsc.ca.gov/SiteCleanup/Brownfields, or contact Maryam Tasnif-Abbasi, DTSC's Voluntary Cleanup Coordinator, at (714) 484-5489.

10) Also, in future CEQA documents, please provide your e-mail address, so DTSC can send you comments both electronically and by mail.

If you have any questions regarding this letter, please contact Mr. Rafiq Ahmed, Project Manager, at rahmed@dtsc.ca.gov, or by phone at (714) 484-5491.

Sincerely,

for Greg Holmes
Unit Chief
Brownfields and Environmental Restoration Program

cc: Governor's Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, California 95812-3044
state.clearinghouse@opr.ca.gov

CEQA Tracking Center
Department of Toxic Substances Control
Office of Environmental Planning and Analysis
1001 I Street, 22nd Floor, M.S. 22-2
Sacramento, California 95814
nritter@dtsc.ca.gov

CEQA # 2656