

Community Involvement Plan San Gabriel Valley Superfund Site Area 4 - Puente Valley Operable Unit

Prepared for
United States Environmental Protection Agency

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San Francisco, California 94105

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[Per Pui Man- Translation Offer will be for Spanish, Chinese, Vietnamese (in San Gabriel Valley Area 3 CIP), and Tagalog (newly translated for this CIP).

"If you would like this information in Tagalog, please call the telephone number listed below and leave your name, address, telephone number, and mention the Puente Valley Community Involvement Plan. The community message line for the US Environmental Protection Agency is 1-800-231-3075."

"Kung gusto ninyong malaman ang impormasyon sa Tagalog, paki-tawagan ang telepono na nakalista sa ibaba ng mensaheng ito, at iwanan ang inyong pangalan, tirahan, numero ng telepono, at sabihin ang Puente Valley Community Involvement Plan. Ang linya (or telepono) na pag-iwanan ng mensahe para sa US Environmental Protection Agency ay 1-800-231-3075."

]

1. EPA Encourages Community Involvement in Cleanup Decisions

The United States Environmental Protection Agency (EPA) is working with local agencies to ensure the continued safety and availability of **groundwater**¹ and the protection of public health in the San Gabriel Valley. This **Community Involvement Plan (CIP)** presents an overview of the community outreach program for the San Gabriel Valley Superfund Site. Area 4 is one of the four site areas that make up the San Gabriel Valley Superfund Site. Area 4 is also known as the Puente Valley **Operable Unit (OU)** (Site).

When work begins at a **Superfund** site, EPA develops a CIP that identifies concerns, issues, and priorities of the community regarding the Site. This information is used to develop a plan with objectives to engage, inform, and involve the community at or near the Site in the Superfund process. The CIP guides EPA outreach to the community affected by the site, and helps to guide the decision-making process with the agencies performing cleanup activities at the Site.

1.1 Background

In 1994, EPA began its investigation of the nature and extent of groundwater contamination in Area 4. Currently, Area 4 is in the **Remedial Design/Remedial Action** phase of the Superfund process (see Figure 1). Large groundwater extraction and treatment systems have been designed for the **shallow zone** and **intermediate zone** groundwater to prevent further movement of groundwater contamination and to protect water supply wells in the mouth of Puente Valley. The **extraction wells** have been installed and tested. Monitoring wells are currently being installed through November 2008. The installation of the pipelines is scheduled to begin in March 2009.

This CIP was developed in response to the pipeline installation and public involvement activities related to the upcoming construction work. EPA's goal is to involve the community in each stage of the cleanup work. EPA strives to keep the community informed of its plans, activities, and findings by providing opportunities for public input about preferences and concerns regarding the environmental cleanup activities at the Site.

1.2 EPA Contacts for San Gabriel Valley Area 4 Superfund Site

EPA welcomes your comments and input regarding the environmental cleanup activities related to the Site. Please feel free to direct your questions, comments, concerns, and requests to the following persons.

¹Definitions of bolded words are provided in Appendix A, Glossary. Acronyms and abbreviations are defined in Appendix B, Acronyms and Abbreviations.

Raymond Chavira
Remedial Project Manager
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105
(415) 947-4218
chavira.raymond@epa.gov

Dana Barton
Manager, Community Involvement Office
75 Hawthorne Street, SFD-3
San Francisco, CA 94105
(415) 972-3087
barton.dana@epa.gov

EPA's toll-free Community Involvement Office message line is (800) 231-3075.

Site information is also available on EPA's Website at:

www.epa.gov/region09/SanGabriel/PuenteValley

<http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dec8ba3252368428825742600743733/131d9cd16e41ebf888257007005e944d!OpenDocument&ExpandSection=-4>

1.3 Information Repositories

EPA provides general information about the Superfund program, as well as copies of fact sheets and technical documents on the San Gabriel Valley OUs at the following locations.

Hacienda Heights Public Library
16010 La Monde Street
Hacienda Heights, CA 91745
(626) 968-9356

La Puente Public Library
15920 E. Central Avenue
La Puente, CA 91744
(626) 968-4613

West Covina Public Library
1801 West Covina Parkway
West Covina, CA 91790
(626) 962-3541

Superfund Records Center
95 Hawthorne Street
Room 403 (SFD-7C)
San Francisco, CA 94105
(415) 536-2000

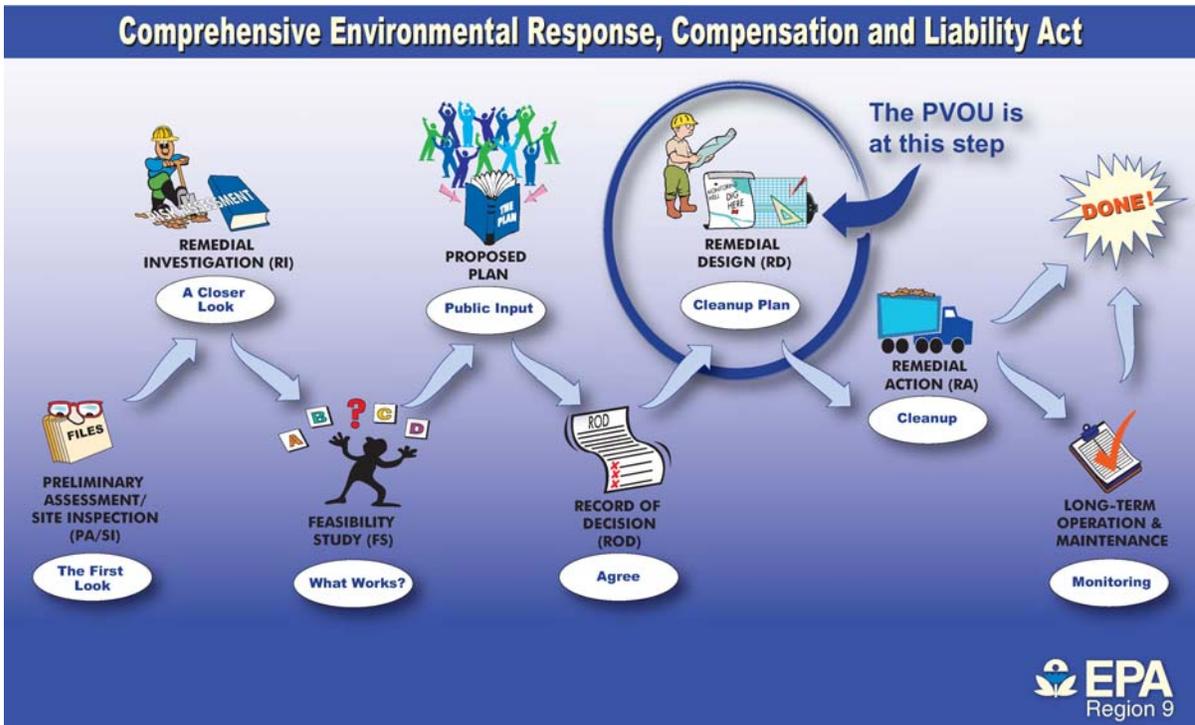


Figure 1
Superfund Cleanup Process

2. Community Profile

The San Gabriel Valley is located in the northeast portion of greater Los Angeles County. The Angeles National Forest and San Gabriel Mountains border the Valley to the north, State Route 60 (the Pomona Freeway) borders the Valley to the south, San Bernardino County is to the east, and the cities of Los Angeles and Glendale are to the west. The San Gabriel Valley Superfund Site is divided into four areas. The Area 4 Superfund Site (also referred to as PVOU) includes parts of the City of Industry, the City of La Puente, and unincorporated Los Angeles County (see Figure 2).

The San Gabriel Valley is among the most ethnically diverse areas in the Southern California region. The Valley's 2 million residents are 44 percent Latino, 27 percent Caucasian, 25 percent Asian/Pacific Islander, and 4 percent African-American. Population projections for the year 2010 indicate that the ethnic makeup will transition to 48 percent Latino, 25 percent Asian/Pacific Islander, 23 percent Caucasian, and 4 percent African-American (see Figure 3). Approximately 550,000 households exist in an area of 400 square miles.

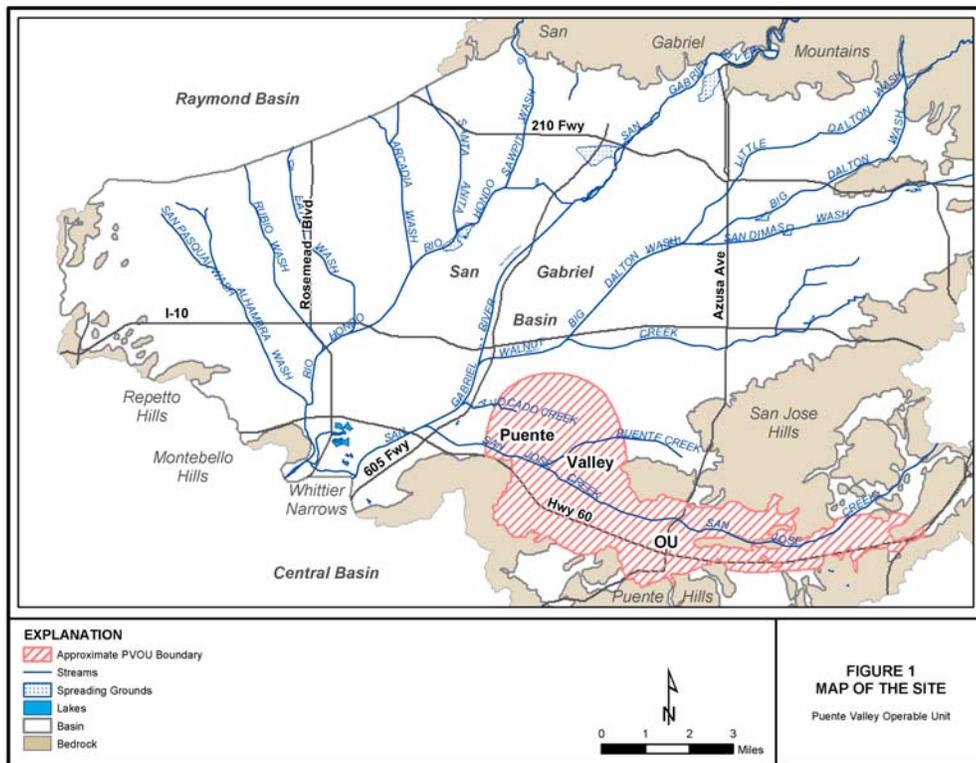


Figure 2
Area 4 Puente Valley OU Superfund Site Area Map

The Valley is also distinguished by linguistic diversity. English remains the most common language spoken at home in the San Gabriel Valley; however, Spanish is most commonly spoken language in the Area 4 cities of La Puente and City of Industry, in addition to eight

other cities in the Valley (see Figures 4 and 5). Other languages spoken in the Valley include Chinese, Korean, Tagalog, Vietnamese, Arabic, Armenian, and Japanese.

The San Gabriel Valley consists of 31 incorporated cities, which account for 40 percent of Los Angeles County’s cities but only 20 percent of the population. The San Gabriel Valley also has the largest number of Los Angeles County residents living in unincorporated communities. The San Gabriel Valley is represented by two United States senators, five members of Congress, six state senators, seven assembly members, and three of the five Los Angeles County Supervisors.²

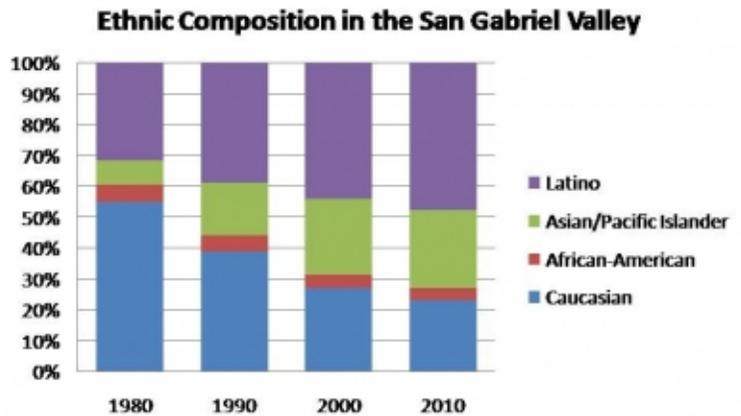


Figure 3
Ethnic Composition in the San Gabriel Valley

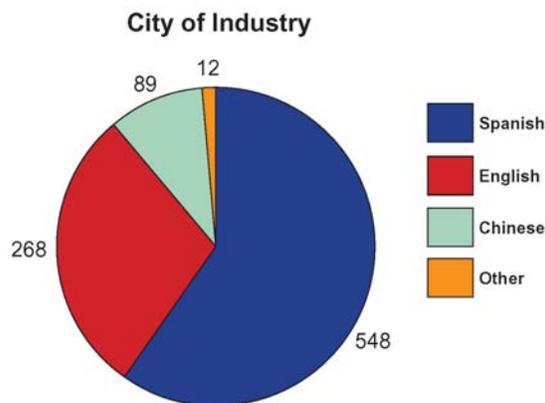


Figure 4
City of Industry Linguistic Diversity

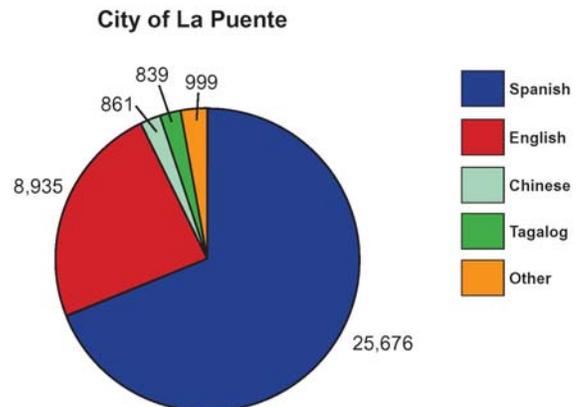


Figure 5
City of La Puente Linguistic Diversity

2.1 Community Comments and Concerns

Through ongoing technical and community involvement work in Area 4, EPA has learned about some of the community members’ interest in the cleanup efforts. EPA has been coordinating outreach activities to seek community input about the Site. In addition, ongoing periodic stakeholder meetings provide opportunities for EPA and **Potentially Responsible Parties (PRPs)** to receive input from other regulatory agencies, water purveyors, and local city and government representatives.

² Source: San Gabriel Valley Council of Governments, June 2008.

The major Site issues and concerns identified by the community and stakeholders are:

- **Public health and safety**, especially drinking water quality and the types, levels, and extent of contamination.
- **Drinking water supplies and potential shortages**, especially importing water versus reclamation and conservation.
- **Cleanup management**, including proposed methods, length of time required, and funding availability.
- **Community image**, including potential positive and negative effects on property values: positive because of the cleanup progress and negative because of the contamination.
- **Building public trust of government**, especially due to the perceived avoidance of disclosure of contamination and health effects, transparency, and their handling of the cleanup.
- **Education and awareness**, including informing the public about water quality issues while addressing concerns and misconceptions; getting useful, concise information with transparency in the process. Communicating and extending outreach efforts to all communities affected by the site.
- **Interest and involvement of non-English-speaking residents**, which may be limited by time and language constraints of those residents. Sometimes interested parties cannot attend meetings or presentations or may be unaware of translation services offered. For those parties, fact sheets, fliers, and the Web site provide project information.

The major issues and concerns of the Area 4 community that are specifically related to the pipeline installation are:

- **Well and pipeline construction impacts**, including noise, traffic disruption, duration, security of the drilling site, storm drain and mud impacts when rains occur, and adequacy of notice.
- **Access impacts** to business/residences, whose access may potentially be limited during pipeline construction.
- **Power/water disruption** to businesses/residences if underground utilities are disrupted.
- **Potential impacts to residents and school children**, who live directly adjacent to the roads underneath which the pipelines will be installed. Additionally, potential traffic delays due to lane closures during school hours are a chief concern for parents and school administrators.

2.2 Community Involvement Objectives

This CIP is a living document that will be continually updated and adapted to meet the needs of the community as EPA work at the Site progresses. The CIP identifies objectives and strategies for involving the community in EPA work at this Site and also proposes

activities to help meet those objectives. EPA will evaluate the effectiveness of the plan in meeting the communication needs of the public as work on the Site progresses.

Throughout the cleanup process, EPA will hold various community outreach activities and/or provide information to the public. EPA welcomes the opportunity to talk to your community through visits and will accommodate the various languages and access needs. EPA encourages community members to participate in EPA outreach activities and access information on Site issues. Community feedback is important to helping EPA improve and ensure effective communication with interested individuals and groups.

EPA's community involvement objectives and proposed community involvement activities for the Site are described below.

2.2.1 Establish Consistent and Open Dialogue to Respond to Questions, Concerns, and Conflicts as they Arise

Outreach to Community and Interested Groups

Water Suppliers – EPA will distribute information to water suppliers about specific activities and findings that directly affect them, allowing them to respond to customer inquiries and provide feedback to EPA. This objective is accomplished primarily through periodic stakeholders meetings. EPA holds quarterly stakeholders meetings to inform stakeholders (including water purveyors, city officials, the San Gabriel Water Quality Authority, the San Gabriel Basin Water Master, and State Agency members) of status and progress of the project. The quarterly meetings are typically held in West Covina. To receive an email invitation to the next stakeholders meeting please contact EPA Project Manager Raymond Chavira.

Residences and Businesses – EPA will distribute information in the form of fact sheets and flyers to businesses and residences in advance of construction and other project-related activities. Information will contain contact information to allow direct access to EPA staff and will allow quick response from EPA.

Language-based Communities – EPA will translate public outreach documents into the major languages used in the community. Spanish is the most commonly spoken language in the area, therefore, EPA will provide Spanish translation of fact sheets of public notices, and at community meetings. EPA will ensure that materials are in clear language that can be easily understood. Please contact EPA for translating documents into other languages.

Schools – Two schools are located directly adjacent to the pipeline installation alignments. EPA will distribute information to the schools about the pipeline installation and fieldwork schedules to ensure that parents and school staff are aware of road closures and other construction-related issues prior to commencement of the work. This information also will contain EPA contact information for questions, concerns, and comments. Additionally, EPA will attend Parent Teacher Association (PTA) meetings prior to pipeline installation activities to share information about the project and to hear concerns and answer questions.

2.2.2 Fulfill Statutory Requirements Regarding Public Notice and Public Involvement Opportunities

EPA Site managers and community involvement coordinators will ensure that all legal requirements for public involvement in the investigation and cleanup are met. During and after the investigation, requirements for community involvement include:

- Public notice about the availability of the **Remedial Investigation (RI)/Feasibility Study (FS) report, Proposed Plan, Record of Decision (ROD), and Explanation of Significant Differences (ESD)**
- Public meetings about the proposed remedial action construction and preparation of a written transcript of the public meeting
- Responses to significant public comments

2.2.3 Provide Opportunities for Public Participation in Site Decision-Making

Presentations – EPA will continue to offer presentations to interested local governmental agencies, water providers, schools, and community organizations at their regularly scheduled meetings, upon request.

EPA Contact Information – EPA will provide Site contact information (see EPA contacts listed in Section 1.2) on all public outreach materials. EPA Site personnel are available to answer questions and address comments by phone, mail, and e-mail.

Community Technical Assistance – EPA will provide funding for active community participation through a **Technical Assistance Grant (TAG)**. The TAG program funds the services of an independent technical advisor for a community-based nonprofit organization. The technical advisor explains EPA documents and data to organization members and relays community concerns to EPA.

Evaluation of CIP Effectiveness – EPA will continue to evaluate its public outreach through comments received by e-mail and telephone calls and at meetings, presentations, and work sites. EPA will incorporate the feedback into the CIP as needed.

2.2.4 Provide Consistent, Regular, and Timely Information about the Investigation, Cleanup Plans, and Activities

Site-Related Documents – EPA has made technical documents such as the RI/FS, ROD, and ESD available for public review. Documents will be available at the information repositories listed in Section 1.3, on the EPA Web site and upon request from the Region 9 Superfund Records Center.

Public Meetings/Open Houses – EPA will host informational meetings that are interactive. EPA also will be available to participate in various community meetings at important stages of Site cleanup, or when issues arise that may require public attention, to discuss new developments on the investigation and cleanup, as well as to keep current on community issues and concerns. Although meetings have historically been held in La Puente centrally located to accommodate residents and businesses in the unincorporated areas of LA

County and in the City of Industry, EPA will explore holding meetings in other areas as well.

Stakeholder Meetings – EPA will continue to host periodic stakeholder meetings to update water providers, governmental agencies, schools, and community organizations about Site activities. These stakeholder meetings are currently held quarterly at the Water Quality Agency offices in West Covina.

Fact Sheets and Newsletters – EPA will distribute fact sheets and newsletters via traditional and e-mail mailing lists and make them available at the information repositories and other public locations. Fact sheets will describe Site activities and issues, provide updates on remedial construction activities, announce public meetings, and provide a toll-free telephone number for further information. Fact sheets are available at the information repositories and on the EPA Web site at www.epa.gov/region09/SanGabrielPuenteValley.

Since January 1998, three fact sheets have been produced in English and Spanish for the Site.

- January 1998 – San Gabriel Valley Superfund Site – Puente Valley Operable Unit Proposed Plan
- February 1998 – EPA Extends Comment Period on Proposed Plan to Address Groundwater Contamination at Puente Valley Operable Unit
- February 2006 – EPA to Oversee Fieldwork to Install Groundwater Cleanup System in the Puente Valley Area

Door-to-Door Outreach – EPA will distribute flyers to residents and businesses within a one- or two-block radius of pipeline or treatment plant construction or well installation. Flyers will contain construction schedule information, EPA contacts, traffic detours, and other information. Flyers will be distributed by the EPA Project Manager and Community Involvement Coordinator.

Community Events Outreach – EPA may attend local community events (such as, farmer’s market, fairs, swap meets) to be available for questions about the Site.

Internet – EPA maintains a Web site where documents pertaining to the Site are available for viewing at www.epa.gov/region09/SanGabrielPuenteValley. Web pages and technical documents are in English only, but some Site information, such as fact sheets, will continue to be posted in Spanish as well as English. EPA also will coordinate with several organizations that may link their Web sites to the EPA Web site.

Mailing List – EPA will continue to maintain and update the Site mailing list. The list has been developed from meeting sign-in sheets, community interviews, e-mail, and telephone inquiries. To be added to the mailing list, please send a request by e-mail, telephone, or standard mail to EPA (see Section 1.2 for contact information). The Area 4 mailing list includes approximately 6,500 contacts.

News Media – EPA may share timely and accurate Site news through mass media outlets, including non-English-language media. To the extent feasible, EPA may distribute information through cable television and radio stations, and, if appropriate, print media.

Information Repositories – EPA has established locations within the community where Site documents can be reviewed. Information repositories are maintained at the Hacienda Heights, La Puente, and West Covina Public Libraries, in addition to the EPA Region 9 Superfund Records Center (see Section 1.2).

3. Community Involvement History and Future Plans

Since 2002, EPA has conducted extensive community outreach, including two city council presentations, one public meeting, three fact sheets, and door-to-door distribution of flyers to residents and businesses near 15 groundwater extraction well and treatment system locations. The fact sheets can be found in the information repositories and on the EPA Site Web site at www.epa.gov/region09/SanGabrielPuenteValley.

Table 1 lists a chronology of EPA community outreach efforts to date, in addition to planned activities for future public outreach. Each phase of the Superfund cleanup process is illustrated in Figure 1 and described further in Appendix A, Glossary.

TABLE 1
Community Outreach Chronology

Period	Activity
January 1998	Fact sheet: San Gabriel Valley Superfund Site – Puente Valley Operable Unit Proposed Plan
	Public meeting/hearing for official comment on Proposed Plan
	Public comment period on Proposed Plan
February 1998	Fact sheet: EPA Extends Comment Period on Proposed Plan to Address Groundwater Contamination at Puente Valley Operable Unit
	Public comment period on Proposed Plan
	Response to public comments
2005	Quarterly stakeholder meetings
2006	Quarterly stakeholder meetings
February 2006	Fact sheet: EPA to Oversee Fieldwork to Install Groundwater Cleanup System in the Puente Valley Area
	Public Meeting/Open House, and City Council Presentation regarding installation of 15 groundwater extraction wells to City of Industry and La Puente
March, April, June, July, August, December 2006	Door-to-door flyer distribution to affected residents, schools, and businesses regarding well installation
2007	Quarterly stakeholder meetings
January, July, September, August 2007	Door-to-door flyer distribution to affected residents, schools, and businesses regarding well installation
2008	Quarterly stakeholder meetings
February – December 2008	Door-to-door flyer distribution to affected residents, schools, and businesses regarding well installation

TABLE 1

Community Outreach Chronology

Period	Activity
March 2008	Briefing for City of La Puente City Council to inform them of pipeline installation work
November 2008	Community Involvement Plan and Fact Sheet update available on EPA website
	Door-to-door Fact Sheet distribution and announcement of public meetings planned for January/February 2009.
2009	Quarterly stakeholder meetings
January/February 2009	Interactive community information sessions/open house presentations
	Attend community meetings and seek feedback on upcoming construction activities
February 2009	News media release about Remedial Design (RD) completion
March – August 2009	Door-to-door flyer distribution to affected residents, schools, and businesses regarding pipeline installation schedule to begin in March 2009
To Be Determined	Distribute fact sheet updates and completion of pipeline Remedial Design installation
	Interactive community information sessions

Select documents related to the Site are available at the information repositories and on the Internet at www.epa.gov/region09/SanGabrielPuenteValley.

3.1 Site History

3.1.1 Introduction

The San Gabriel Basin aquifer provides approximately 90 percent of the water supply for more than a million residents of the San Gabriel Valley. Widespread groundwater contamination, resulting from decades of improper handling and disposal practices, was discovered in 1984. EPA added the San Gabriel Valley to the **National Priorities List (NPL)** of the country's hazardous waste sites that are eligible for cleanup under the Superfund Process (see Figure 1). EPA divided the Site into four areas, which cover approximately 30 square miles of the 170-square-mile valley. The four areas are:

- Area 1 – El Monte, South El Monte, Whittier Narrows
- Area 2 – Baldwin Park, Irwindale, West Covina, La Puente, City of Industry
- Area 3 – Alhambra, San Gabriel, Temple City, San Marino, South Pasadena, Rosemead
- Area 4 – City of Industry, La Puente, unincorporated Los Angeles County

More than 40 water suppliers operate in the valley. Water suppliers have continued to provide safe drinking water by shutting down wells in contaminated areas, treating water to remove contaminants, blending water to meet drinking water standards, and obtaining water from neighboring utilities.

EPA investigations included researching sources of contamination, soil and groundwater sampling, and data analysis. The results of those investigations show that soil and groundwater in Area 4 is contaminated with **volatile organic compounds (VOCs)**. EPA developed a basin-wide cleanup plan that determined priorities and alternatives for cleaning up the soil and groundwater contamination in each of the four areas.

For more information about the San Gabriel Valley Superfund Site (all areas), go to the information repositories or go to

<http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dec8ba3252368428825742600743733/0065ed704ae95ccc88257007005e941e!OpenDocument>

Area 1 – El Monte, South El Monte, Whittier Narrows

<http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dec8ba3252368428825742600743733/36fcdd2d3eeb15ca88257007005e941c!OpenDocument>

Area 2 – Baldwin Park

<http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dec8ba3252368428825742600743733/538dd2f968eac4fb88257007005e9460!OpenDocument>

Area 3 – Alhambra

<http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dec8ba3252368428825742600743733/2726237fe63e138d88257007005e943a!OpenDocument>

Area 4 – City of Industry, La Puente unincorporated Los Angeles County

<http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dec8ba3252368428825742600743733/131d9cd16e41ebf888257007005e944d!OpenDocument>

3.1.2 EPA Coordination with Local Governments

EPA has been and will continue to coordinate with local governments for the groundwater cleanup. The franchise agreement negotiated between EPA, the City of Industry, City of La Puente, the County of Los Angeles, and responsible parties provides for ongoing collaboration between these entities throughout the cleanup process. EPA has been coordinating closely with the city managers and city engineering departments on cleanup designs and construction planning. In addition, EPA hosts quarterly stakeholder meetings to discuss plans, issues, and concerns.

3.1.3 Groundwater Contamination in Area 4

The shallow and intermediate groundwater zones beneath the Site are contaminated mainly with VOCs, along with **perchlorate** and **1,4-dioxane** that were detected above their drinking water standards at some locations during previous groundwater investigations. Among the VOCs, **perchloroethylene (PCE)**, **trichloroethylene (TCE)**, and **1,1-dichloroethene (1,1-DCE)** are the primary contaminants detected, with **maximum concentration levels (MCLs)** of 120 micrograms per liter ($\mu\text{g}/\text{L}$), 1,000 $\mu\text{g}/\text{L}$, and 1,400 $\mu\text{g}/\text{L}$, respectively (see Table 2).

TABLE 2

Contaminants Detected in Area 4 Groundwater

Contaminant	Regulatory Limit (MCL or NL)	Regulatory Limit Concentration (µg/L)	Maximum Concentrations in PVOU (µg/L)
1,1-dichloroethene (1,1-DCE)	MCL	6	1,600
1,4-dioxane	NL	3	240
Perchlorate	MCL	6	18
Perchloroethylene (PCE)	MCL	5	120
Trichloroethylene (TCE)	MCL	5	1,000

Note: NL - California Department of Public Health Notification Level
MCL – Maximum Contaminant Level

The Area 4 RI/FS was completed in May 1997, and a cleanup plan was adopted in September 1998 (the PVOU Interim ROD). United Technology Corporation (UTC)/Carrier Corporation (Carrier) and TRW, now known as Northrop Grumman Space & Mission Systems Corporation (Northrop Grumman) are the two PRPs that lead the cleanup for the intermediate zone and shallow zone groundwater, respectively. In September 2001, after negotiations failed, EPA ordered Carrier Corporation to design, build, and operate the shallow zone remedy. In March 2002, EPA issued a second order to TRW Inc., to design, build, and operate the intermediate zone remedy. In June 2005, EPA issued an ESD, which revised the 1998 cleanup plan and ROD by requiring additional treatment for 1,4-dioxane and possibly perchlorate. The Interim ROD and ESD are available on EPA's Web site as part of the Site overview for the Site.

In April 2006, EPA and the Department of Justice reached an agreement under a **Consent Decree** requiring UTC and its subsidiary Carrier Corporation to contain and clean up the shallow groundwater contamination at an estimated cost of \$26 million over 10 years. Carrier Corporation was also required to carry out the \$468,000 Woodland Duck Farm Supplemental Environmental Project at a former duck farm overlying a portion of the contaminated groundwater. The Watershed Conservation Authority purchased the former duck farm, and UTC is implementing the project, which may involve phytoremediation, the construction of groundwater recharge facilities, wetlands habitat restoration, and treatment wetlands for the benefit of the local community.

Similarly, in September 2008, EPA and the Department of Justice reached an agreement with Northrop Grumman under a Consent Decree to contain and clean up groundwater contamination in the intermediate zone at an estimated cost of \$21 million over 10 years.

3.1.4 Groundwater Extraction Well Installation Project 2008-2009

A groundwater extraction and treatment system is being implemented at the mouth of Puente Valley. The cleanup remedy for the Site involves two separate projects, known as the shallow zone and intermediate zone remedies, to contain the plumes of groundwater contamination. See Figure 6 for well locations.

The shallow zone remedy includes 10 extraction wells capable of pumping approximately 2 million gallons per day (mgd). The project includes **granular activated carbon (GAC)** water treatment equipment (for removal of VOCs), **advanced oxidation** equipment (for removal of 1,4-dioxane) and, if necessary, **ion exchange** equipment (for removal of perchlorate). The treated water will be discharged to a local flood control channel.

The intermediate zone remedy includes six extraction wells capable of pumping approximately 1.4 mgd. The intermediate zone project also includes GAC water treatment equipment, and, if necessary, advanced oxidation and ion exchange. Treated groundwater will be provided to a local water supply distribution system; a portion of the treated water will be discharged to a flood control channel during the winter.

In 2007, Northrop Grumman and UTC/Carrier completed the installation of extraction wells in the City of La Puente, City of Industry, and unincorporated areas of Los Angeles County. EPA notified local residents and businesses of the work in a fact sheet and in flyers distributed door-to-door for individual drilling locations. EPA also hosted a community meeting in La Puente to describe upcoming well installation activities.

3.1.5 Upcoming Pipeline Installation Project 2009

The pre-final design for the pipeline network and the groundwater treatment plant for the shallow zone and intermediate zone remedial actions was submitted for review to EPA in mid-2008. The beginning of the pipeline installations and treatment plant construction is planned to start in March 2009. Approximately 6 miles of pipeline will be installed over a period of approximately 6 months. EPA will notify local residents, schools, and businesses of the work in a fact sheet, in addition to hosting a community meeting in La Puente to describe anticipated pipeline installation activities. See Figure 6 below for planned pipeline locations.

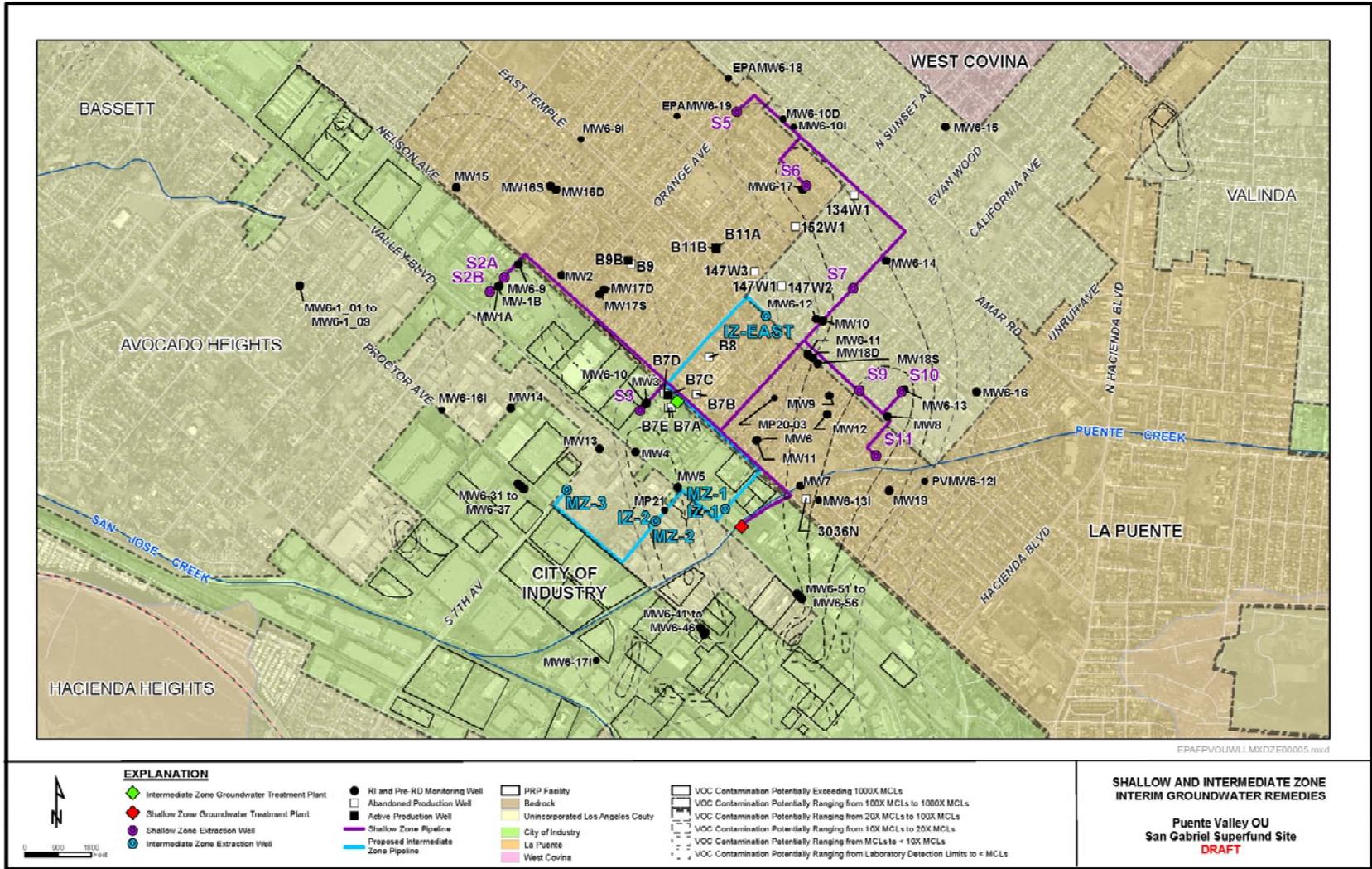


Figure 6
Puente Valley OU Superfund Proposed Pipeline Map

Appendix A

Glossary

1,1-dichloroethene (1,1-DCE): An industrial synthetic chemical; a colorless liquid with a mild, sweet smell, also called 1,1-dichloroethylene. 1,1-DCE is used to make certain plastics, such as flexible films like food wrap, and in packaging materials. It is also used to make flame retardant coatings for fiber and carpet backings; and in piping, coating for steel pipe, and adhesive applications.

1,4-dioxane: A chemical used primarily as a stabilizer in solvents in degreasing chemicals and lacquers, varnishes, paints, plastics, dyes, oils, waxes, and resins.

Advanced Oxidation: A water treatment process that uses chemical oxidants, often in combination with ultraviolet light, to treat organic chemicals that cannot be removed by granular activated carbon (GAC) or air stripping.

Community Involvement Plan (CIP): A site-specific plan prepared by EPA that identifies community involvement objectives at a site and proposes community outreach activities to help EPA meet its objectives.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): A federal law adopted in 1980 and subsequently amended (Public Law 96-510, as amended) that provides for liability, cleanup, and emergency response for hazardous substances released into the environment.

Consent Decree (CD): A legal document, approved by a judge, that formalizes an agreement reached between EPA and PRPs, through which PRPs will conduct all or part of a cleanup action at a Superfund site; cease or correct actions or processes that are polluting the environment; or otherwise comply with EPA-initiated regulatory enforcement actions to resolve the contamination at the Superfund site involved. The consent decree describes the actions PRPs will take and may be subject to a public comment period.

Explanation of Significant Differences (ESD): A revision of the Superfund cleanup plan and addendum to the Record of Decision (ROD) to incorporate additional findings and related changes to the remedial action.

Extraction Wells: Wells used to pump groundwater for cleanup.

Feasibility Study (FS): A part of the Superfund process in which EPA or others identify cleanup options at a site (including taking no action). The FS evaluates the options based on cost, effectiveness, and other criteria, and compares their relative strengths and weaknesses.

Granular Activated Carbon (GAC): A carbon filtering system that removes organics from water.

Groundwater: Water beneath the surface of the earth that supplies wells and springs.

Intermediate Zone: Three zones were defined to describe the groundwater-bearing layers beneath Area 4: shallow, intermediate, and deep zones. The intermediate zone lies between the shallow and deep zones. The deep zone is the depth from which the water supply wells pump groundwater for domestic consumption.

Ion Exchange: A water treatment technology capable of removing selected inorganic ions from water. If used in the cleanup, ion exchange systems will be designed to remove perchlorate from groundwater.

Maximum Contamination Level (MCL): The maximum concentration of a chemical that is allowed in public drinking water systems as established by EPA. Currently fewer than 100 chemicals have an established MCL; however, they represent chemicals that are thought to pose the most serious risk.

National Priorities List (NPL): EPA's list of the most serious, uncontrolled, or abandoned hazardous waste sites identified for possible long-term remedial action under Superfund.

Notification Level (NL): Notification levels are non-regulatory, health-based advisory levels established by the California Department of Public Health for contaminants in drinking water for which maximum contaminant levels have not been established. Notification levels are established as precautionary measures for contaminants that may be considered candidates for establishment of maximum contaminant levels, but have not yet undergone or completed the regulatory standard setting process prescribed for the development of maximum contaminant levels and are not drinking water standards.

Operable Unit (OU): Term for each of a number of separate activities undertaken as part of a Superfund site cleanup. The Puente Valley OU is one of four OUs in the San Gabriel Valley Superfund Site.

Perchlorate: Used as one of the primary ingredients of solid rocket fuel and explosives.

Perchloroethylene (PCE): A manufactured chemical that is widely used for dry cleaning of fabrics and for metal-degreasing. It is also used to make other chemicals and is used in some consumer products. Other names for PCE include tetrachloroethylene and tetrachloroethene.

Potentially Responsible Parties (PRPs): Any individual or company responsible for, or contributing to, contamination at a Superfund site.

Proposed Plan: A plan developed by EPA or another agency proposing cleanup at a Superfund site.

Record of Decision (ROD): A document, adopted by EPA or another agency after public input, that specifies the cleanup plan for a site or a portion of a site.

Remedial Action (RA): The actual construction or implementation phase of a Superfund site cleanup that follows remedial design.

Remedial Design (RD): A phase of remedial action that follows the RI/FS, and includes development of engineering drawings and specifications.

Remedial Investigation (RI): Actions undertaken to characterize the full nature and extent of contamination at a site, including the evaluation of human health and ecological risks.

Shallow Zone: Extends from the water table to a depth of approximately 250 to 300 feet below ground surface in Area 4.

Superfund: The common name of the program established by CERCLA. Also refers to government funds used to investigate or clean up a site.

Technical Assistance Grant (TAG): Funds provided by EPA for communities affected by Superfund sites to hire an independent technical advisor to help interpret and comment on site-related information.

Trichloroethylene (TCE): A colorless organic liquid with a chloroform-like odor. The greatest use of TCE is as a degreaser for fabricated metal parts. Another common name for TCE is trichloroethene.

Volatile Organic Compounds (VOCs): Commonly used solvents for dry cleaning, machinery degreasing, and metal plating.

Appendix B

Acronyms and Abbreviations

1,1-DCE	1,1-dichloroethene
CIP	Community Involvement Plan
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIC	Community Involvement Coordinator
CIP	Community Involvement Plan
DWS	Drinking Water Standard
GAC	Granular Activated Carbon
EPA	United States Environmental Protection Agency
ESD	Explanation of Significant Differences
FS	Feasibility Study
GAC	granular activated carbon
MCL	Maximum Contaminant Level
µg/L	Microgram(s) per liter
mgd	million gallons per day
NL	California Department of Public Health Notification Level
NPL	National Priorities List
OU	Operable Unit
PTA	Parent Teacher Association
PCE	Perchloroethylene
PRP	Potentially Responsible Party
PVOU	Puente Valley Operable Unit
RD	Remedial Design
RI	Remedial Investigation
ROD	Record of Decision

Site	San Gabriel Valley Superfund Site, Area 4 - Puente Valley Operable Unit
TAG	Technical Assistance Grant
TCE	Trichloroethylene
UTC	United Technologies Corporation
Valley	San Gabriel Valley
VOC	Volatile Organic Compound

Appendix C

Community Resources

EPA Contacts for San Gabriel Valley Area 4 Superfund Site

EPA welcomes your comments and input regarding the environmental cleanup activities related to the Site. Please feel free to direct your questions, comments, concerns, and requests to the following persons:

Raymond Chavira
Remedial Project Manager
75 Hawthorne Street, SFD-7-3
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chavira.raymond@epa.gov

Dana Barton
Manager, Community Involvement Office
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EPA's toll-free Community Involvement Office message line is (800) 231-3075.

Site information is also available on EPA's Web site at
www.epa.gov/region09/SanGabriel/PuenteValley

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Elected Officials									
Honorable Grace Flores Napolitano	Congressmember	Congressional District 38	11627 East Telegraph Road, Suite 100	Santa Fe Springs	CA	90670		562-801-2134	
Honorable Gloria Romero	Senator	Senate District 24	149 South Mednik Avenue, Suite 202	Los Angeles	CA	90022		323-881-0100	
Honorable Edward Chavez	Assemblymember	Assembly District 57	13181 Crossroads Parkway North, Suite 160	Industry		91746		626-961-8492	
Honorable Gloria Molina	Supervisor	County of Los Angeles, First District	3400 Aerojet Avenue, Suite 240	El Monte	CA	91731		626-350-4500	
Supervisor Molina c/o Marcia Guzman	Field Representative	County of Los Angeles, First District	3400 Aerojet Avenue, Suite 240	El Monte	CA	91731		626-350-4500	
Supervisor Molina c/o Bobi Johnson	Field Representative	County of Los Angeles, First District	3400 Aerojet Avenue, Suite 240	El Monte	CA	91731		626-350-4500	
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Nour Zaghi		Cal. Dept. of Health Services	1449 West Temple Street, Rm 202	Los Angeles	CA	90026		213-580-5735	
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City and County Representatives									
Greg Graham		County of Los Angeles	14747 East Ramona Boulevard	Baldwin Park	CA	91706		626-338-9509	
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Honorable Renee Chavez	Mayor Pro Tem	City of La Puente	15900 East Main Street	La Puente	CA	91744		626-855-1500 x575	
Honorable John M. Solis	Councilmember	City of La Puente	15900 East Main Street	La Puente	CA	91744		626-855-1500 x573	
Honorable Lola K. Storing	Councilmember	City of La Puente	15900 East Main Street	La Puente	CA	91744		626-855-1500 x576	
Honorable Louis R. Perez	Councilmember	City of La Puente	15900 East Main Street	La Puente	CA	91744		626-855-1500 x574	
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Joe Boada		City of La Puente	15900 East Main Street	La Puente	CA	91744			
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Lilia Gonzalez-Gomez	Principal	Temple Academy ES	635 California	La Puente	CA	91744		626-933-3100	
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Other Interested Parties									
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Bradley Barquest		UTC	9716 Avocet Street NW	Minneapolis	MN	55433		763-432-5695	
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Steve Johnson		Stetson Engineers Inc.	861 Village Oaks Dr., Suite 100	Covina	CA	91724		626-967-6202	stevej@stetsonengineers.com
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