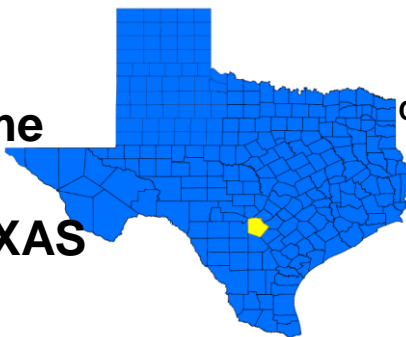


**Bandera Road  
Ground Water Plume  
BEXAR COUNTY  
LEON VALLEY, TEXAS**



**EPA REGION 6  
CONGRESSIONAL DISTRICT 20**

**Contact:  
Chris Villarreal  
214-665-6758**

**Updated: January 5, 2012**

**EPA ID# TXN000606565  
Site ID: 0606565**

**Background** \_\_\_\_\_

The Bandera Road Ground Water Plume Superfund Site (Site) is located in the City of Leon Valley, Bexar County, Texas. The Site encompasses an area of approximately 1 mile long by ½ mile wide. The site was identified as a result of assessment activities conducted pursuant to the Texas Commission on Environmental Quality Voluntary Clean-up Program. The investigation identified the presence of tetrachloroethene (PCE) and trichloroethene (TCE) in concentrations above the Maximum Contaminant Level within the Edwards Aquifer. The Maximum Contaminant Level for both is 5 parts per billion. The Edwards Aquifer is the sole-source drinking water aquifer for central Texas.

**Current Status** \_\_\_\_\_

The U.S. Environmental Protection Agency's (EPA's) held a public meeting to announce the Proposed Plan for the Bandera Road Ground Water Plume Superfund Site. The public meeting took place at:

Leon Valley Community Center  
6427 Evers Road  
Leon Valley, Texas 78238  
July 21, 2011 at 7:00 pm

The Proposed Plan identified the Preferred Alternative for cleaning up contaminated vapor, soil and ground water and provided the rationale for this preference. In addition, the Plan included summaries of other cleanup alternatives evaluated for use at the site. EPA in consultation with the Texas Commission on Environmental Quality may modify the Preferred Alternative or select another response action presented in the Proposed Plan based on new information or public comments. The public comment period on the Proposed Plan began on July 18, 2011, and ended on October 15, 2011. The EPA is currently evaluating comments received during the public comment period.

The EPA is presently working with the Edwards Aquifer Authority (EAA) in identifying the locations of former water wells in the area. Historical road maps have been used to help identify former well locations. On November 22, 2011, EAA employees surveyed six potential well locations. EAA will be procuring a surface geophysics contractor to search for buried well casings.

Local parties are conducting additional investigation activities. These activities include the installation and sampling of ground water monitoring wells, collecting sub-slab soil samples at the location of a former dry cleaner, installing soil vapor extraction (SVE) pilot test wells, conducting an SVE pilot test, and conducting hydraulic testing (i.e., a packer test) at a PCE impacted monitoring well.

### **EPA Enforcement Activities:**

- CERCLA 104(e) information request letters were sent to gather information regarding potential contaminant sources.
- Continue efforts to identify source(s) of contamination.
- Field Consent Order issued to owner of former dry cleaner to address vapor intrusion.

### **Benefits**

---

The purpose of EPA's remedial investigation is to identify the nature and extent of ground water contamination and potential vapor intrusion exposure pathways. This information will be used in developing remediation strategies to address potential risks posed by the impacted soils and ground water.

### **National Priorities Listing (NPL) History**

---

NPL Inclusion Proposal Date: September 26, 2006

NPL Inclusion Final Date: March 7, 2007

### **Site Description**

---

The Site is centered in a business area, with some homes nearby, between Poss Road and Grissom Road, southwest of Bandera Road. Ongoing sampling and the investigation may affect the estimated plume extent. Two City of Leon Valley public water supply wells are within one mile of the center of the contamination plume. These two public water supply wells are routinely sampled by EPA to ensure public safety.

### **Wastes and Volumes**

---

The site is being evaluated as a groundwater plume containing PCE, TCE and cis-1,2-dichloroethene (cis-1,2-DCE). To date, twelve wells were found to be contaminated with PCE and/or TCE at or above the 5.0 parts per billion. Three of these wells were Edwards Aquifer wells which have been plugged and abandoned. An additional well which was located at an automotive repair facility was also plugged and abandoned.

The most impacted well is an Austin Chalk monitoring well located by a former dry cleaning facility in which PCE concentrations as high as 11,700 ppb have been detected.

### **Health Considerations**

---

Human exposure to contaminated ground water is currently prevented by providing access to a public water supply for residences whose wells were found to be contaminated with PCE/TCE above the Federal drinking water standards. Water well sampling is continuing to ensure additional wells are not being impacted. As discussed previously, vapor mitigation efforts are being taken to address vapor intrusion in the area around a former dry cleaning facility.

### **Record of Decision (ROD)**

---

A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study. The community and interested parties were encouraged to review the data and comment on the preferred

remedy identified by the EPA.

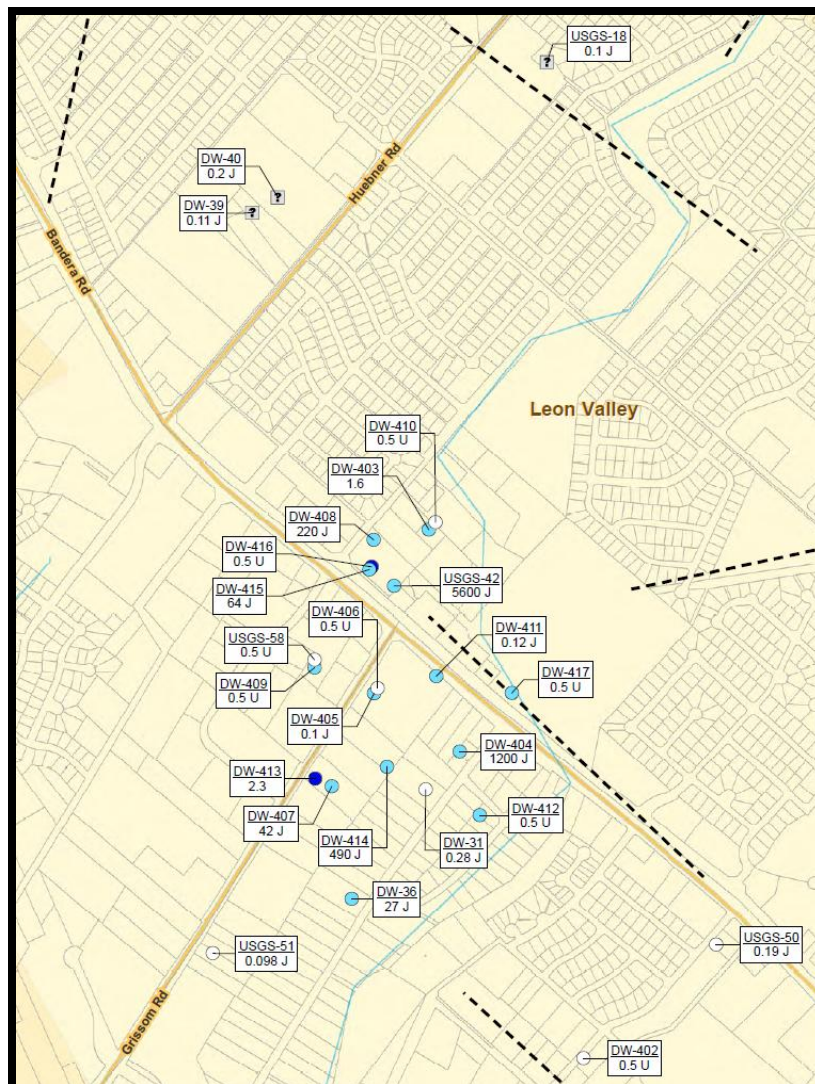
## Site Contacts

EPA Remedial Project Manager:	Chris Villarreal	214-665-6758
EPA Community Involvement	June Hoey	214-665-6483
EPA Site Attorney:	Jacob Piehl	214-665-2138
EPA Regional Public Liaison:	Donn R. Walters	214-665-6483
TCEQ Project Manager	Danielle Sattman	512-239-0158







EPA Superfund Region 6 Toll-Free Number: 1-800-533-3508

## Site Figure

The following figure shows the maximum PCE detections in ground water for samples collected in June 2010. The "J" flagged values are laboratory estimated concentrations. The "U" flagged values indicate that PCE was not detected at the laboratory reporting limit.



## Legend

Austin Chalk Well	
Buda Limestone Well	
Edwards Aquifer Well	
Unknown Aquifer Background Well	
Potential Fracture Traces	
Parcels	

Note:  
EPA Maximum Contaminant Level  
is 5 micrograms per liter.

