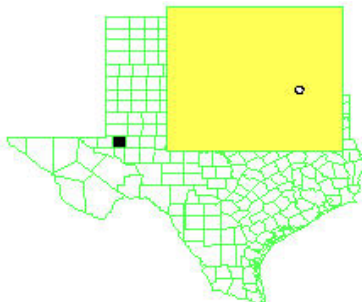


EAST 67th STREET (ECTOR COUNTY) ODESSA, TEXAS



EPA REGION 6
CONGRESSIONAL
DISTRICT 11

EPA ID# TXN000606614
Site ID: 0606614

Contacts:
Vincent Malott 214-665-8313

Updated: May 2009

Current Status

EPA is planning further source area characterization following the installation of an additional 48 passive soil gas samplers across the Brenntag and a part of the Permian Tractor facility. The results indicate the presence of volatile organic chemicals (VOCs) beneath the Brenntag facility that will require further investigation including sample collection to assess the vertical distribution down to the water table. In addition, EPA has selected four additional monitoring well locations to complete the off-site ground water plume investigation.

EPA previously completed installation and retrieval of 60 passive soil gas samplers across parts of the Permian Tractor Sales and Brenntag Southwest facilities on East 67th Street in January 2008. The samplers were deployed to detect the past release of organic contaminants at both facilities and assist in determining possible source areas for the ground water contamination.

EPA completed installation of 6 additional monitoring wells during the week of November 5, 2007. The monitoring wells were sampled during the week of November 26, 2007, and the analytical results were received in January 2008. The two new wells MW-19, 20, and 24 were non-detect for chlorinated solvents; monitoring wells MW-21, 22, and 23 detected tetrachloroethene (PCE) at concentrations of 8, 21 and 20 µg/L, respectively. EPA previously completed the installation of 14 ground water monitoring wells in April 2007 (see maps below). The wells were located to assess both potential source areas for the ground water contamination and the leading edge of the contaminant plume in the residential area. The 14 new monitoring wells plus 4 existing monitoring wells were sampled in May and July 2007, along with a select set of private supply wells in July 2007. Based on the well data, the ground water flow is from the southwest to northeast and the upgradient extent of the contaminant plume has not yet been defined.

The start of the planned water line construction has been delayed. EPA completed the design drawings for the planned water supply line to replace existing filtration systems (see map below). The design plans were submitted to the City of Odessa, Ector County, Texas Department of Transportation, and Encore Electric for their review and comments were received in January 2008. The planned water line route will serve those residences and businesses that are impacted, or may become impacted, by the ground water contamination at the Site. The TCEQ has installed filtration systems on ten private wells with contamination exceeding the drinking water limits established under the Safe Drinking Water Act.

Benefits

Without identification and investigation of the source of ground water contamination, more private wells may be contaminated.

National Priorities Listing (NPL) History

NPL Inclusion Proposal Date: September 27, 2006
NPL Inclusion Final Date: March 7, 2007

Site Description

The Site consists of a contaminated ground water plume originating from an unidentified source(s). The contaminant plume is located along 67th Street between Yukon Road to the north and VFW Lane to the south, and Andrews Highway to the west and Alderfer Avenue to the east. The Trinity aquifer is the only ground water source for drinking water in the site area. The water table is present at approximately 80 feet below the ground surface and the base of the aquifer is approximately 145 feet below ground surface. The Triassic red beds form the base of the aquifer. Ground water flow in the aquifer is generally to the east-southeast.

Wastes and Volumes

The ground water plume contains tetrachloroethene (PCE), trichloroethene (TCE), and cis 1,2-dichloroethene (cis 1,2-DCE). The site is being evaluated as a ground water plume of PCE and TCE with no identified source. The maximum observed concentration of PCE is 100 micrograms per liter [$\mu\text{g/L}$ or per billion (ppb)]. The outer boundary of the plume has not yet been defined but the existing sample data obtained from the private water wells has indicated a plume of at least 0.3 by 0.3 mile in size.

Health Considerations

There is no other potable water supply for the residents. Human exposure is currently prevented through ground water sampling and the use of filtration systems on individual private wells.

Record of Decision (ROD)

A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study and an opportunity for the community and interested parties to review the data and comment on the preferred remedy identified by the EPA.

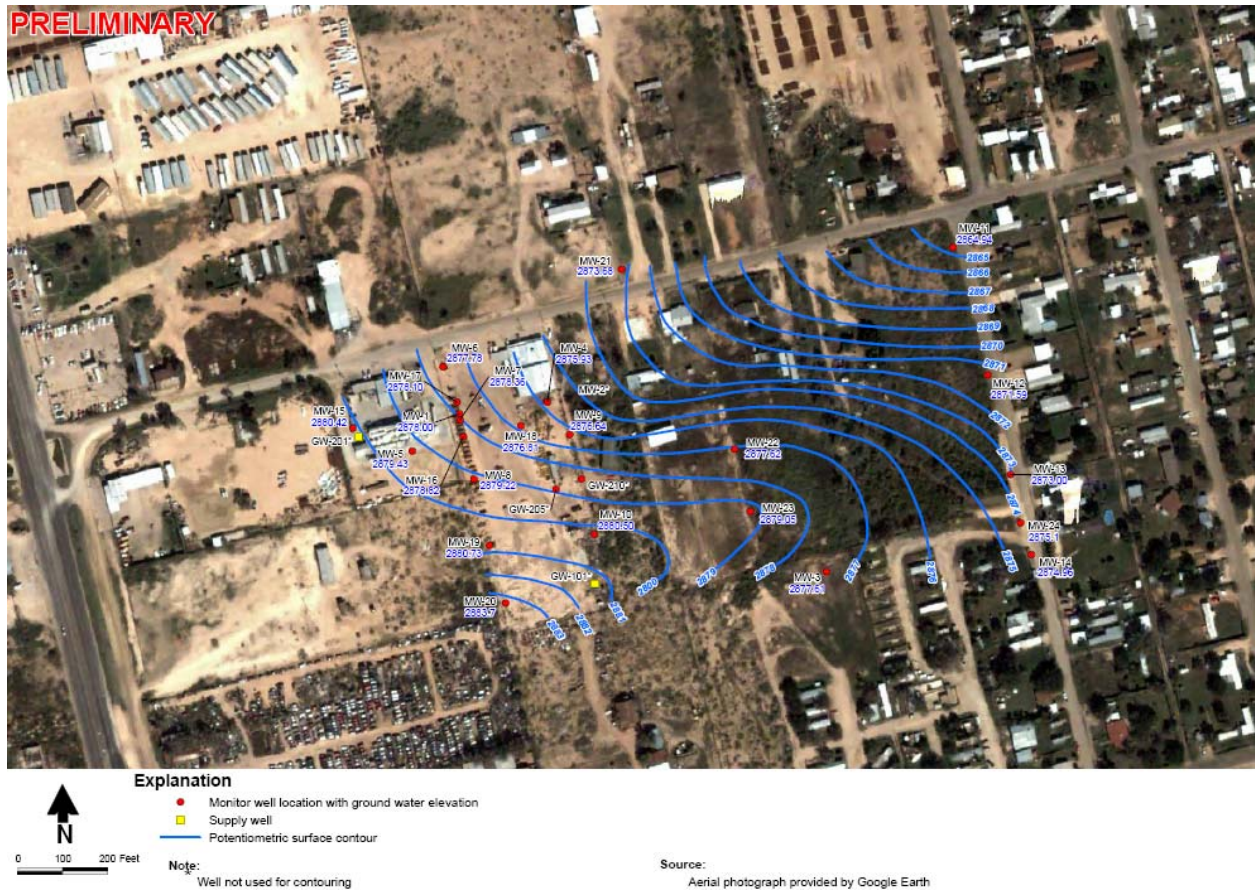
Site Contacts

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

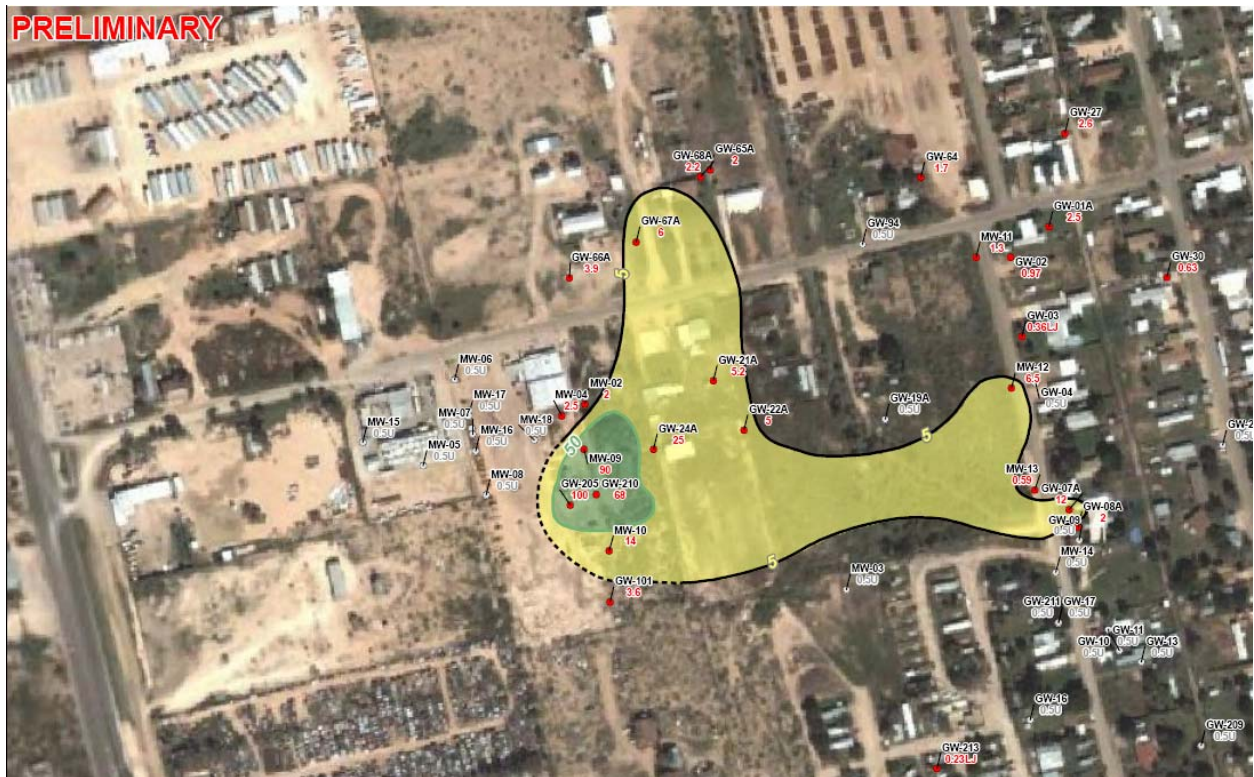
Information Repository: Ector County Public Library in Odessa, Texas

Site Map

The following site maps illustrate the ground water flow direction across the site based on water level data collected from monitoring wells in November 2007. The ground water flow was expected to flow in a northwest to southeast flow direction but instead flows in a southwest to northeast direction.



The second map illustrates the PCE plume from July 2007 and is defined by the 5 µg/L drinking water limit (light green) and the higher concentrations greater than 50 µg/L. The PCE concentrations greater than the laboratory detection limit are marked in red numbers. The next round of monitoring well installation will focus on the southwest area of the PCE plume in order to identify the source area.



The following site map illustrates the water line layout to replace the existing filtration systems installed by the TCEQ. The water line extension is marked in "blue" and will provide service to affected residents along a portion of East 67th Street, Stevenson Avenue between East 67th Street and VFW Lane, and along VFW Lane.

