

# MIDESSA (MIDLAND COUNTY) MIDLAND, TEXAS



**EPA REGION 6**  
**CONGRESSIONAL**  
**DISTRICT 11**

**EPA ID# TXN000606668**  
**Site ID: 0606668**

**Contacts:**  
**Vincent Malott 214-665-8313**

**Updated: December 2009**

## **Current Status**

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The Remedial Investigation is scheduled to start by September 2010. EPA is currently reviewing information provided by past and current landowners regarding facility operations at select properties. EPA is conducting this review as part of the enforcement process to identify potentially responsible parties at the site.

There are ten filtration systems currently installed on private water supply wells at the site and the Texas Commission on Environmental Quality (TCEQ) will continue maintenance of the filtration systems. The TCEQ completed sampling the private water wells in the area the week of October 12, 2009, to assess the filtration system performance and ensure there are no new detections exceeding drinking water limits. The samples were analyzed through the EPA Houston Laboratory, and the analytical results were delivered in November 2009. The analytical results from the TCEQ sampling event conducted during the week of February 23, 2009, are presented below on the site map.

EPA has installed and collected data from 295 passive soil gas samplers across the Site between March and June 2008. The soil gas data assists in identifying nearby source areas with past releases of volatile organic chemicals (VOCs) (see site map below). The samplers installed in the southern area of the Site detected a significant presence of tetrachloroethene in the soil gas. No other significant VOC detections were noted in the remainder of the Site.

## **Community Involvement**

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EPA held a public meeting on August 7, 2008, at the Midessa Oilpatch RV Park to discuss the project activities, environmental data, and potential health effects.

## **Benefits**

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The identification and investigation of the source of groundwater contamination is needed to prevent additional private wells from being contaminated.

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

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NPL Inclusion Proposal Date:	September 19, 2007
NPL Inclusion Final Date:	March 19, 2008

## **Site Description**

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The Site consists of a contaminated ground water plume originating from an unidentified source(s). The contaminant plume is located along County Road 1290, between Interstate 20 to the south, and Interstate Business 20 to the north. The Trinity aquifer is the only ground water source for drinking water in the site area. The water table has been reported at depths as shallow as 30 feet below the ground surface and the base of the aquifer is approximately 110 feet below ground surface. The Triassic red beds form the base of the aquifer. Ground water flow in the aquifer is expected to be generally to the south-southeast.

## Wastes and Volumes

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The ground water contaminants consists of tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene, 1,1-dichloroethane, and carbon tetrachloride. The site is being evaluated as a ground water contaminant plume with no identified source. The outer boundary of the ground water contamination has not yet been defined but the existing sample data obtained from the private water wells has indicated an area of at least 0.5 mile in length.

## Health Considerations

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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)

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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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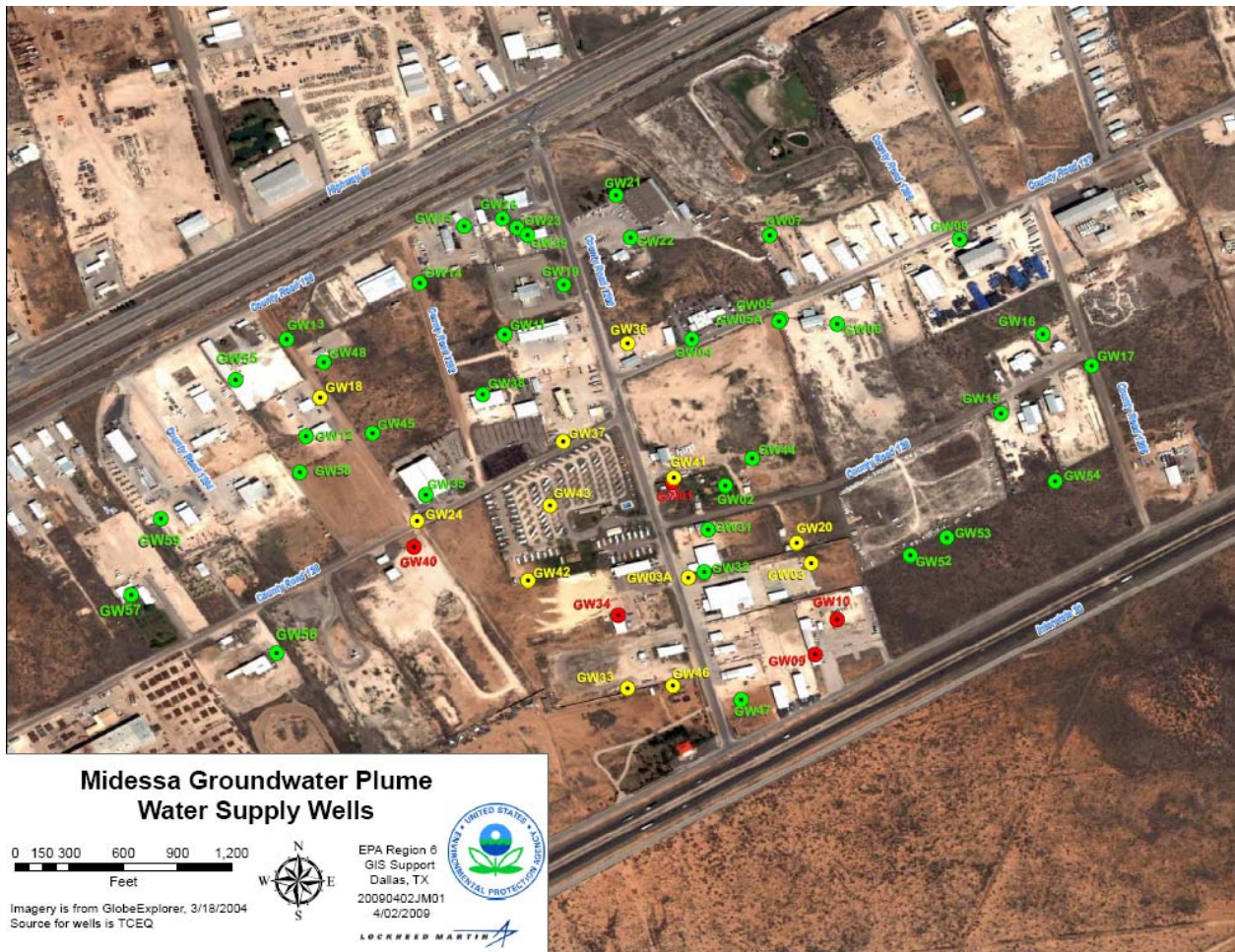
EPA Remedial Project Manager:	Vincent Malott	214-665-8313
EPA Community Involvement Coordinator	David Gold	214-665-7118
EPA Site Attorney:	John Emerson	214-665-3137
EPA Regional Public Liaison:	Donn R. Walters	214-665-6483
TCEQ Project Manager	Omar Valdez	512-239-6858
EPA Superfund Region 6 Toll Free Number:		1-800-533-3508

**Information Repository:** Ector County Public Library in Odessa, Texas

## Site Map

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The following site map illustrates the private water supply wells that exceed drinking water standards for one or more volatile organic chemicals (VOCs) with red circles, or have detected one or more VOCs that are above the laboratory detection limit but below drinking water standards (yellow circle). The remaining wells (green circle) were non-detect for the principal VOC contaminants at the site. The site map illustrates the results of the February 2009 ground water sampling event conducted by the Texas Commission on Environmental Quality (TCEQ). Well locations are approximated based on GPS coordinates collected at the site.



The following site map illustrates the locations of the passive soil gas samplers installed in the eastern side of the site. The green squares mark the location of individual samplers installed in April 2008. The yellow triangles mark the locations of individual samplers installed in June 2008.



The following site map illustrates the detections of tetrachloroethene in the passive soil gas samplers installed at the south side of the site (see site map above). The blue triangles and green diamonds mark the location of individual samplers (see site map above). The passive soil gas samplers installed on the north side of the site did not detect tetrachloroethene or any of the other contaminants of interest at the site.

