

## East Central Phoenix 48th Street and Indian School Road Water Quality Assurance Revolving Fund Site - July 2010

The Arizona Department of Environmental Quality (ADEQ) is investigating groundwater contamination at the East Central Phoenix (ECP) 48th Street and Indian School Road Water Quality Assurance Revolving Fund (WQARF) site. The ADEQ WQARF Program, which is also known as the State Superfund Program, investigates and cleans up contaminated groundwater and soil sites throughout the state. This site is bounded approximately by Devonshire Avenue to the north, 48th Street to the east, East Fairmount Avenue to the south and 45th Place to the west. Salt River Project (SRP) irrigation Well 19E-8.1N is located near the site.

### WHAT ARE THE CONTAMINANTS AT THE SITE?

The main contaminant of concern at this site is tetrachloroethene (PCE). PCE is a manufactured chemical widely used for dry cleaning and metal degreasing. Contaminants of concern at the site may change as new data become available.

### WHAT IS THE HEALTH/WATER QUALITY?

Any risks associated with exposure to contaminated groundwater are principally through drinking the contaminated water. **The groundwater under this site is not used in the public drinking water system.** If you are connected to a public drinking water system, your public water provider is required by law to provide water that meets all state and federal drinking water standards. The City of Phoenix (COP) conducts regular testing of your drinking water to ensure the standards are met and to ensure safe drinking water is delivered to the community. For more information on your water quality, contact the COP Water Services Department at (602) 262-6251. If you have a private well near the site, please contact the ADEQ project manager at (602) 771-4414. There is currently no known threat of direct exposure to the public from the contamination at the site. The SRP well is currently not being pumped.

### SITE HISTORY

The 48th Street and Indian School Road site is part of the larger ECP study area, which was placed on the WQARF Priority List in 1987. Activities for the ECP sites have included researching facilities that used hazardous substances, installing and sampling groundwater monitoring wells, and distributing questionnaires concerning the use of PCE. In April 1999, the site was placed on the WQARF Registry with a score of 27 out of a possible 120. The following year ADEQ and SRP entered into a governmental services contract in which ADEQ funded SRP to conduct an interim remedial action at this site. This was based on groundwater modeling conducted by SRP which indicated SRP Well 19.0E-8.1N would be impacted by a nearby PCE contaminated groundwater plume if the well was pumped. SRP designed and installed a soil vapor extraction (SVE) system to remove contamination from the subsurface. In 2001, SRP installed three groundwater monitor wells. Two additional SVE wells were installed in 2004 and a non-title V Air Quality Permit was submitted to Maricopa County for approval on August 23, 2004. The SVE system began operations in September 2006. In the same year, PCE concentrations in the groundwater were detected at 4.9 micrograms per liter ( $\mu\text{g/l}$ ), which was below the regulatory standard of 5.0  $\mu\text{g/l}$ .



Soil Vapor Extraction (SVE) System.

## **INVESTIGATION/CLEANUP ACTIONS**

ADEQ initiated the remedial investigation for the site in June 2007. Through March 2010, a reported 311 pounds of PCE had been removed from the soil since the SVE system began the year before. During the sampling event in April 2008, the maximum PCE concentration in groundwater was detected at 78  $\mu\text{g/l}$ . However, the October groundwater sampling indicated PCE levels ranging from non-detect to 5.7  $\mu\text{g/l}$ . Two new monitor wells were installed at 47th Street, north of Indian School Road, to further delineate the plume downgradient. SRP continues to operate the SVE system.

## **WHAT ARE ADEQ'S FUTURE PLANS AT THIS SITE?**

ADEQ plans to continue site investigation when funding is made available.

## **FOR MORE INFORMATION**

Interested parties can review site information at the ADEQ main office located at 1110 W. Washington Street, Phoenix. Please contact (602) 771-4380 or (800) 234-5677 to schedule an

appointment with 24-hour notice to review these documents. Once all documents requested have been collected, you will be contacted for a review Monday through Friday from 8:30 a.m. to 4:30 p.m. at the ADEQ Records Management Center, 1110 W. Washington Street in Phoenix.

For further information on this site or other WQARF sites, please visit ADEQ's Web site at [www.azdeq.gov](http://www.azdeq.gov). Click on Waste Programs, then Superfund/WQARF, and follow the prompts for the information you need.

## **ADEQ CONTACTS**

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\*In Arizona, but outside of the Phoenix area, call toll free at (800) 234- 5677 Ext. 771-4414.

Para información en español sobre este sitio, comuníquese con Felicia Calderon al (602) 771-4167.