

## West Central Phoenix East Grand Avenue Water Quality Assurance Revolving Fund Site - April 2010

The Arizona Department of Environmental Quality (ADEQ) is investigating the West Central Phoenix (WCP) East Grand Avenue (EGA) 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 the Grand Canal to the north, 27th Avenue to the east, Thomas Road to the south and 35th Avenue to the west.

### WHAT ARE THE CONTAMINANTS AT THE SITE?

The main contaminants of concern at this site are tetrachloroethene (PCE), trichloroethene (TCE), and 1,1-dichloroethylene (1,1-DCE). PCE is a manufactured chemical widely used for dry cleaning and metal degreasing. TCE is a colorless liquid used as a solvent, metal degreasing agent, and in other industrial applications. 1,1-DCE is used to make certain plastics, packaging materials, and flame retardant coatings. Typically, it is a degradation product of other chlorinated solvents. Contaminants of concern at the site may change as new data become available.

### 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 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 Phoenix Water Services Department at (602) 262-6251. Two private wells are located within the EGA WQARF Site and are still in operation. Groundwater sampling of these wells has not detected contaminants within the wells. If you have a private well near the site, please contact the ADEQ Project Manager at (602) 771-4186. There is currently no known threat of direct exposure to the public from the contamination at the site.

### SITE HISTORY

ADEQ has been conducting an investigation in the WCP area to learn more about potential soil and groundwater contamination since it was made a state superfund site under WQARF in 1987. The EGA Site was placed on the WQARF Registry in 1998 with a score of 26 out of a possible 120 and was re-scored in 2000 with a score of 31 out of 120. The former Van Waters and Rogers, Inc. (VW&R) facility is the primary source of contamination at the site. VW&R operated near 27th Avenue and Osborn Road from 1957 to 1970. Operations included warehousing and distribution of industrial and agricultural chemical products, upholstery supplies, and laundry and dry cleaning supplies. In July 1982, volatile organic compounds (VOCs) were first detected in groundwater in the WCP area. The COP detected TCE in four municipal public supply wells. The Arizona Department of Health Services, Salt River Project, and the COP confirmed the presence of VOCs in the groundwater with sampling in 1983, 1985, and 1986. COP wells containing the highest concentrations of TCE were immediately shut down. Two more wells were monitored for VOC concentrations from 1982 until 1989. As a result of sampling conducted during February of 1989, COP elected to take both wells off-line on March 7, 1989.



Soil vapor extraction system at the VW&R facility.

## **INVESTIGATION/CLEANUP ACTIONS**

The remedial investigation field activities at this site were conducted between 1993 and 2002. In January 2002, ADEQ entered into an agreement with Univar (parent company of VW&R) to monitor groundwater quality and to conduct the feasibility study. Univar installed a soil vapor extraction (SVE) system at the former VW&R facility the following year. The system became operational in January 2004. At the end of 2007, the SVE system operated by Univar had extracted about 990 pounds of VOCs from the soil. Two additional ADEQ monitor wells were added to the SVE system in 2008 increasing the capture of VOCs by two to three times. There are no cleanup actions being taken by ADEQ at this time.

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

Univar continues to operate the SVE system at the former VW&R facility. Groundwater monitoring is conducted by Univar semi-annually. Univar is conducting the feasibility study under an approved work plan to evaluate specific remedial measures and strategies required to meet the remedial objectives.

## **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, AZ.

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.

### **Technical Information:**

Kevin Snyder, ADEQ Project Manager  
(602) 771- 4186\*  
Fax: (602) 771- 4246  
E-mail: [kcs@azdeq.gov](mailto:kcs@azdeq.gov)

\*In Arizona, but outside of the Phoenix area, call toll-free at (800) 234-5677 Ext. 771- 4186.

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