

East Central Phoenix 32nd 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) 32nd 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. There are two separate areas of groundwater contamination associated with this site. One contamination plume is located on the northwest corner of 32nd Street and Indian School Road. The plume originates approximately 150 feet south of Monterosa Street and 15 feet west of 32nd Street and is estimated to extend approximately 300 feet to the southwest. The second contamination plume is located on the southeast corner of 32nd Street and Indian School Road. The plume originates approximately 150 feet south of Indian School Road and 100 feet east of 32nd Street and is estimated to extend approximately 750 feet to the southwest.

WHAT ARE THE CONTAMINANTS AT THE SITE?

The main contaminant of concern at this site is tetrachloroethene (PCE). Trichloroethene (TCE) was detected in initial groundwater samples but is no longer a contaminant of concern at this time. 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. 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.

SITE HISTORY

The 32nd Street and Indian School Site is part of the larger ECP study area, which was placed on the WQARF Priority List in 1987. Activities for ECP have included researching facilities that used hazardous substances, installing and sampling groundwater monitoring wells, and distributing questionnaires concerning the use of contaminants of concern. In May 2000, the site was placed on the WQARF Registry with a score of 29 out of a possible 120.

INVESTIGATION/CLEANUP ACTIONS

An investigation in late 2000 of the dry cleaners at the northwest corner of 32nd Street and Indian School Road reported a soil gas PCE level of 15,000



Well installation at the site.

micrograms per liter ($\mu\text{g/l}$) and a groundwater PCE concentration of $28 \mu\text{g/l}$. Regulatory levels for PCE in soil gas (converted to soil remediation level) and groundwater are $8,372 \mu\text{g/L}$ and $5 \mu\text{g/L}$, respectively. An early response action investigation was conducted in 2003 at the former Viking Cleaners. Samples collected in and around the building indicated that a release of PCE to the subsurface had impacted groundwater. During routine monitoring in 2003, the PCE concentration of the nearby groundwater monitor wells was $3,600 \mu\text{g/l}$. The following June, a soil vapor extraction (SVE)/air sparge system was installed. Since the installation, over 3,000 pounds of PCE have been extracted from the subsurface. A new well was installed in May 2007 with reported PCE levels below the standard. In 2007, ADEQ initiated the remedial investigation for the site. In 2008, a new monitor well was installed at Fairmount Street in an effort to delineate the down-gradient PCE plume to the southwest. Because it had reached the appropriate cleanup criteria, the SVE system has been shut down and removed from the site.

WHAT ARE ADEQ'S FUTURE PLANS AT THIS SITE?

ADEQ continues to investigate soil gas levels southwest (downgradient) of the source area and plans to resume sitewide investigations as 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. 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.