

East Central Phoenix (ECP) 24th Street and Grand Canal Water Quality Assurance Revolving Fund ([WQARF](#)) Site

Boundaries:

The ECP 24th Street and Grand Canal WQARF Site (Site) plume is bounded by a circle approximately 400 feet in diameter, centered around [Salt River Project](#) (SRP) Well 16E-6.8N in Phoenix, Arizona. The actual center of the circle is approximately 30 feet to the east of 24th Street and ten feet to the north of the Grand Canal.

The plume boundaries depicted on the [Site map](#) represent the Arizona Department of Environmental Quality's (ADEQ) interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated extent of known contamination as of the date of map production. The actual extent of contamination may be different. Therefore, the plume may change in the future as new information becomes available.

Site Status Update:

Groundwater is sampled from a sampling port off the SRP well pump. As part of a Prospective Purchase Agreement, CVS Pharmacy conducted a limited Site assessment at the former location of a dry cleaner at the northeast corner of 24th Street and Thomas Road. A [monitor well](#) was installed in late July 2008. Groundwater sampling of that well in July indicated a [tetrachloroethene](#) (PCE) concentration of 200 micrograms per liter ($\mu\text{g/l}$). Sampling of the SRP well in October 2008 yielded a PCE concentration of 10 $\mu\text{g/l}$.

Community Involvement Activities:

A [community advisory board](#) (CAB) was formed in November 2007. Details of CAB meeting [agendas](#) and minutes for 2008 and 2009 can be viewed at the ADEQ Web site. These meetings are open to the public. The most recent [site update sheet](#) can be found on the ADEQ Web site.

Site History:

2000: ADEQ was monitoring SRP Well 16E-6.8N on a semi-annual basis. During routine monitoring, PCE was detected in SRP Well 16E-6.8N at levels above the Arizona [Aquifer Water Quality Standard](#) (AWQS) of 5.0 $\mu\text{g/l}$. The source of the contamination was unknown. In May, the Site was placed on the WQARF Registry with a score of 29 out of a possible 120.

2006: SRP Well 16E-6.8N contained a PCE concentration of 11 $\mu\text{g/l}$ during the October 2006 sampling event. [Trichloroethene](#) (TCE) was not detected above the AWQS in the SRP well during the sampling event.

2007: ADEQ sent out notices in June 2007 per A.R.S. §49-287.03 initiating the [remedial investigation](#) for the Site. During the sampling event in October, the PCE was detected at a concentration of 12 µg/l.

2008: ADEQ continued to monitor the new well installed at the northeast corner of 24th Street and Thomas Road.

Contaminants:

The current contaminants of concern in groundwater include [tetrachloroethene](#) (PCE). Contaminants of concern at the Site may change as new data become available.

Public Health Impact:

SRP occasionally pumps Well 16E-6.8N for irrigation use. However, SRP monitors the well for contamination and will cease using the well if contamination is detected above allowable standards.

Site Hydrogeology:

The Site is located within the West Salt River Valley sub-basin of the [Phoenix Active Management Area](#). The Salt River Valley is an [alluvial](#) filled basin located in the Basin and Range physiographic province.

The Site is underlain by clayey and silty sands with minor sand lenses from ground surface to approximately 70 feet below ground surface (bgs). From approximately 70 to approximately 396 feet bgs, a gravelly clay unit exists. Decomposed granite is encountered at approximately 396 feet bgs, and competent granite is encountered at approximately 580 feet bgs, based on the [boring](#) log for SRP Well 16E-6.8N.

No groundwater elevation measurements were collected during the October 2006 sampling event. However, previous sampling events indicate that groundwater flows to the southwest.

Contacts:

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

Information Repository:

Interested parties can review Site information at the ADEQ Main Office located at 1110 W. Washington Street, Phoenix. With 24-hour notice, an appointment to review related documentation is available 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, Arizona. Please contact (602) 771-4380 or (800) 234-5677 to schedule an appointment to review these documents.