

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 on [Salt River Project](#) (SRP) Well 16E-6.8N in Phoenix, Arizona.

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:

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 groundwater sample collected from a newly installed [monitor well](#) in July 2008 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 $\mu\text{g/l}$.

Due to current budget constraints, all work at the Site has been temporarily suspended until such time as funding is made available.

Community Involvement Activities:

A [community advisory board](#) (CAB) was formed in November 2007. Details of CAB meeting [agendas](#) and minutes for 2009 and 2010 can be viewed at the ADEQ Web site. These meetings are open to the public. The most recent [Site Update](#) can be found on the ADEQ Web site.

Site History:

2000: During monitoring of SRP Well 16E-6.8N, PCE was detected 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: During the October sampling event, SRP Well 16E-6.8N contained a PCE concentration of 11 $\mu\text{g/l}$.

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

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

2009: No activities occurred.

2010: No activities occurred.

Contaminants:

The current contaminant of concern in groundwater is [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.

Based on the [boring](#) log for SRP Well 16E-6.8N, 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.

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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Information Repository:

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.