

## **East Central Phoenix (ECP) 38th Street and Indian School Road Water Quality Assurance Revolving Fund ([WQARF](#)) Site**

### **Boundaries:**

The ECP 38th Street and Indian School Road WQARF Site (site) plume in Phoenix, Arizona is bounded by Indian School Road to the north, 38th Street to the east, Picadilly Road to the south and 36th Street to the west.

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:**

ADEQ conducted groundwater sampling in 2008 using [passive diffusion bag samplers](#) in the [monitor wells](#). The highest concentration of [tetrachloroethene](#) (PCE) during the October 2008 sampling event was 98 micrograms per liter ( $\mu\text{g/l}$ ).

ADEQ installed a monitor well (RMW-2) on the Gaslight Square retail facility immediately west of Well RMW-1. The results from sampling events indicate the vertical extent of the plume has been assessed in this area.

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 sheet](#) can be found on the ADEQ Web site.

### **Site History:**

**1989:** This site was part of the ECP study area, which was bounded by Camelback Road to the north, 48th Street to the east, Thomas Road to the south, and 24th Street to the west. [Soil gas](#) surveys were conducted at multiple facilities throughout the ECP study area to determine if a release of hazardous substances had occurred.

**1992:** Four groundwater monitor wells were installed.

**1998:** The site was placed on the [WQARF Registry](#) with a score of 20 out of a possible 120.

**1994-2002:** During 1994 and 1995, [a soil vapor extraction](#) (SVE) system operated intermittently at 3727 E. Indian School Road. This was to remediate PCE contaminated vapors due to a release of contaminants to the subsurface from past dry cleaning operations. A total of approximately 7.67 pounds of PCE were removed, at which time the SVE system was shut down permanently.

**2003:** In March, this SVE system was dismantled and removed from the Site.

**2006:** PCE concentrations in groundwater during the October 2006 sampling event ranged from non-detect to 38 µg/l.

**2007:** ADEQ sent out notices in June 2007 per A.R.S. §49-287.03 initiating the [remedial investigation](#) for the Site. The highest concentration of PCE during the October sampling event was 51 µg/l.

**2008:** Groundwater at the Site continued to be monitored semi-annually.

**2009:** 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:**

There is currently no known threat of direct exposure to the public from the contamination at the Site.

### **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 sandy and gravelly silt with some sand and gravel lenses from ground surface to approximately 95 feet below ground surface (bgs). [Bedrock](#) is encountered at approximately 95 feet bgs.

Based on measurements during October 2006 from monitor wells, groundwater is encountered at approximately 45 feet bgs and groundwater flows to the west-southwest.

**Contacts:**

Name	Phone/Fax	Email
Mike Beasley, ADEQ Project Manager	(602) 771-4414*/ (602) 771-4272 fax	<a href="mailto:mb11@azdeq.gov">mb11@azdeq.gov</a>

\*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. 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.