

## East Central Phoenix (ECP) 48th Street and Indian School Road Water Quality Assurance Revolving Fund ([WQARF](#))

### Boundaries:

The [ECP 48th Street and Indian School Road Site](#) (Site) is bounded approximately by a line 450 feet north of Indian School Road to the north, a line 300 feet west of 48th Street to the east, a line 150 feet south of Indian School Road to the south and 45th Place to the west.

### Site Status Update:

As part of the [early response action](#) (ERA), [Salt River Project](#) (SRP) continues to operate a [soil vapor extraction \(SVE\)](#) system at the Site. As of September 2007, approximately 295 pounds of [tetrachloroethene](#) (PCE) have been removed from the [vadose zone](#).

The Arizona Department of Environmental Quality ([ADEQ](#)) continues to sample groundwater on a semi-annual basis. During the most recent sampling event in October 2008, the maximum PCE concentration was detected at 6.7 micrograms per liter ( $\mu\text{g/L}$ ). ADEQ installed two new [monitoring wells](#) (SMW- 4 and 5) at 47th Street north of Indian School Road to further delineate the plume [downgradient](#).

### Community Involvement Activities:

A [community advisory board](#) (CAB) was selected in November 2007. These meetings will be open to the public. CAB members are only selected from [applications](#) that are received. Details of meeting agendas and minutes for future meetings can be viewed at the [ADEQ Web site](#). A [site-wide update sheet](#) was distributed to all residences in the site mailing area in June 2007 and can be found on the ADEQ Web site.

### Site History:

**1989:** This site was part of the East Central Phoenix (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:** Two groundwater monitor wells were installed.

**1999:** In April, the Site was placed on the [WQARF](#) Registry with a score of 27 out of a possible 120.

**2000:** In December, ADEQ and Salt River Project (SRP) entered into a Governmental Services Contract (GSC) in which ADEQ funded SRP to conduct an [interim remedial action](#) (IRA) at this site. This is based on modeling conducted by SRP which indicated SRP Well 19.0E-8.1N would be impacted by a nearby PCE contaminated groundwater plume if the well was pumped. SRP design and installed a SVE system to remove contamination from the subsurface.

**2001:** SRP installed three groundwater monitor wells.

**2004:** In July, SRP installed two SVE wells. A [non-title V Air Quality Permit](#) was submitted to [Maricopa County](#) for approval on August 23, 2004.

**2006:** The SVE system began operations in September. During the October 2006 groundwater sampling event, the maximum PCE concentration was detected at 4.9 µg/L. SRP is currently implementing the remedy as part of an ERA.

**2007:** ADEQ sent out notices in June per A.R.S. §49-287.03 initiating the [remedial investigation](#) (RI) for the Site. As of the end of September, approximately 295 pounds of PCE were removed from the vadose zone. During the sampling event in October, the maximum PCE concentration was detected at 6.7 µg/L.

### **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:**

There is currently no known threat of direct exposure to the public from the contamination at the Site. The Salt River Project (SRP) Well is currently not being pumped.

### **Site Hydrogeology:**

The Site is located within the West Salt River Valley sub-basin of the [Phoenix Active Management Area](#) (AMA). The Salt River Valley is an [alluvial](#) filled basin located in the Basin & Range physiographic province. The Site is underlain by clayey silt with trace gravel from ground surface to approximately 120 feet below ground surface (bgs). [Bedrock](#) is encountered at approximately 120 feet bgs.

Based on measurements during March 2006 from monitor wells, groundwater is encountered at approximately 25 feet bgs and flow direction is 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.