

## **East Central Phoenix (ECP) 40th Street and Osborn Road** Water Quality Assurance Revolving Fund ([WQARF](#))

### **Boundaries:**

The boundaries of the [ECP 40th Street and Osborn Site](#) (Site) approximate a circle about 800 feet in diameter centered around [Salt River Project](#) (SRP) Well 17.9E-7.5N. The actual center of the circle is approximately 400 feet to the west of 40th Street and 50 feet to the south of Osborn Road.

### **Site Status Update:**

The Arizona Department of Environmental Quality ([ADEQ](#)) monitors SRP Well 17.9E-7.5N and one nearby groundwater [monitoring well](#) on a semi-annual basis. The October 2007 sampling of the SRP well indicated a [tetrachloroethene](#) (PCE) concentration of 15 micrograms per liter ( $\mu\text{g/L}$ ) and  $<1.0 \mu\text{g/L}$  of [trichloroethene](#) (TCE). The groundwater sample from Well BMW-1 was below detectable levels for PCE and TCE.

The Industrial Survey was expanded to include the area to the northwest of the SRP well bounded by 40th Street, Indian School Road, 44th Street and Osborn Road. The findings indicate that several dry cleaning establishments are/were located [upgradient](#) of the site.

### **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 fact 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:**

**2000:** In May, the Site was placed on the [WQARF Registry](#) with a score of 30 out of a possible 120.

**2003:** In June, one groundwater monitoring well was installed in the Osborn Road alignment, west of 40th Street.

**1987-2006:** During routine monitoring, PCE was detected in SRP Well 17.9E-7.5N at levels above the [Arizona Aquifer Water Quality Standard \(AWQS\)](#) of  $5.0 \mu\text{g/L}$ . The maximum PCE concentration was  $210 \mu\text{g/L}$  in September of 1998; the minimum PCE concentration was  $17.9 \mu\text{g/L}$  in August of 1987. The source of the contamination is currently unknown.

**2006:** Groundwater samples are collected from one ADEQ well and SRP Well 17.9E-7.5N. The groundwater sample collected from the SRP well during October 2006 had  $28 \mu\text{g/L}$  of PCE and  $<1.0 \mu\text{g/L}$  of TCE. The sample collected from the ADEQ well (BMW1) during October 2006 indicated that PCE and TCE were below detectable limits.

**2007:** ADEQ sent out notices in June per A.R.S. §49-287.03 initiating the [remedial investigation](#) (RI) for the Site. The October 2007 sampling of the SRP well indicated a PCE concentration of 15 µg/L and <1.0 µg/L of TCE. The groundwater sample from Well BMW-1 was below detectable levels for PCE and TCE.

### **Contaminants:**

The current contaminants of concern in groundwater include [tetrachloroethene](#) (PCE) and [trichloroethene](#) (TCE). However, TCE has only been detected above the AWQS one time in November 1996 (SRP well). TCE has not been detected at any other time from the initial sampling event in 1983 to 2006. 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](#) (AMA). The Salt River Valley is an [alluvial](#) filled basin located in the Basin & Range physiographic province.

Based on the [boring](#) log for SRP 17.9E-7.5N, the Site is underlain by gravelly clay from ground surface to approximately 120 feet below ground surface (bgs), where [bedrock](#) is encountered. While drilling a groundwater monitoring well in June 2003, an [aquitard](#) was identified at a depth of 70 to 90 feet bgs.

Based on measurements in March 2006, depth to groundwater is approximately 32 feet bgs. Based on regional information, the groundwater flow direction is presumed to be 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.