

## East Central Phoenix Water Quality Assurance Revolving Fund Site February 2013

This fact sheet is a publication of the Arizona Department of Environmental Quality (ADEQ) to inform community members within the East Central Phoenix (ECP) Water Quality Assurance Revolving Fund (WQARF) site of current site activities in Maricopa County.

A glossary of terms is located at the end of this fact sheet.

### COMMUNITY ADVISORY BOARD MEETING - ANNOUNCEMENT -

The next community advisory board (CAB) meeting for the ECP WQARF site will be on:

**Wednesday, March 6, from 6 p.m. to 8 p.m.**

**Jamestown Condominium**

**3833 N. 30th St., Phoenix AZ 85016**

**(entrance off E. Fairmont Ave. or North 30th St.)**

We will discuss information related to the environmental investigation and cleanup of the area. This fact sheet is being sent to addresses within and near the six ECP sites to provide more information about the contamination and the status of this project. If you would like to be included on the mailing list to receive additional information on these sites and further meeting announcements, please see the insert in this notice.

### WHAT IS THE HISTORY OF THE EAST CENTRAL PHOENIX STUDY AREA?

ADEQ has conducted investigations in the former ECP study area to develop information on the presence of solvent contamination in the groundwater. Based upon this information, ADEQ has identified six sites where contamination is present (see map figure 1): 1) 24th Street and Grand Canal; 2) 32nd Street and Indian School Road; 3) 38th Street and Indian School Road; 4) 40th Street and Indian School Road; 5) 40th Street and Osborn Road; and 6) 48th Street and Indian School Road.

ADEQ placed these sites on the WQARF Registry in 2000 and 2001. Cleanup and investigative work



Monitoring well site at 32nd St. and Indian School Rd.

at these sites is funded and managed by the state's Superfund Program, also known as the WQARF Program.

Activities have included researching facilities that used hazardous substances, installing and sampling groundwater monitoring wells, and distributing questionnaires concerning the use of hazardous substances. Investigations have also been conducted by private parties overseen by ADEQ. At several of the sites, contamination has been discovered in association with several dry cleaners. Groundwater within ECP is generally found at depths ranging from 30 to 60 feet below the ground surface.

### WHAT IS ADEQ'S FUTURE PLANS FOR ECP?

ADEQ's current plans for ECP are to continue the remedial investigation (RI) phase of the project for each of the six sites. Most, if not all, of the site characterization work is complete for the 32nd Street and Indian School Road and 48th Street and Indian School Road sites.

Once the site characterization work is complete for a site, ADEQ will consolidate the existing site characterization data, combined with a study of land and water uses in the area, into an RI Report. The site will then proceed through a feasibility study (FS) that will analyze potential cleanup methods for achieving the cleanup goals determined during the RI.

ADEQ has begun an early response action (ERA) at 32nd Street and Indian School Road and 48th Street and Indian School Road that includes the

installation and operation of soil vapor extraction systems. The purpose of an ERA at this site is to address potential risks to public health, welfare, and the environment and address sources of contamination; or control or contain contamination where such actions are expected to reduce the scope or cost of the remedy needed at the site.

For further information on this site or other WQARF sites, please visit the ADEQ Web site at: <http://www.azdeq.gov>. Click on Waste Programs, then click on Superfund/WQARF programs. Follow the links to get to the information that you need.

### Information repository

You can also obtain information at the information repository located at the ADEQ main office. 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 ADEQ Records Management Center, 1110 W. Washington St., Phoenix, Arizona. Please contact (602) 771-4389 to schedule an appointment to review these documents.

### WHAT ARE THE CONTAMINANTS WITHIN ECP?



The main contaminant of concern at ECP is tetrachlorethene (PCE). PCE is a clear, colorless, nonflammable solvent that readily evaporates at room temperature. PCE is widely used for dry cleaning of fabrics and degreasing/drying of metals. Trichloroethene (TCE) has been detected in groundwater

samples from one site within ECP. TCE is a colorless liquid used as a solvent, metal degreasing agent, and in other industrial applications. TCE is also a breakdown product of PCE. Contaminants of concern at the site may change as new data becomes available.

### WHAT ARE THE HEALTH RISKS ASSOCIATED WITH THIS CONTAMINATION?

The groundwater under ECP is not used in the public drinking water system. If you are connected to a public drinking water system, your public water provider is required by law to provide water that meets all state and federal drinking water standards. The City of Phoenix conducts regular testing of your drinking water to ensure the standards are met and to ensure safe drinking water is delivered to the community. For more information on your water quality, contact the Phoenix Water Services

Department at (602) 262-6251. If you have a private well near the site, please contact Danielle Taber ADEQ Project Manager at (602) 771-4414.

Any risks associated with exposure to contaminated groundwater are principally through drinking the contaminated water. People who drink water containing PCE and TCE, in excess of the Arizona Aquifer Water Quality Standards (AWQS), over many years could experience problems with their liver, kidneys, or nervous system, and may have an increased risk of getting cancer

Salt River Project (SRP) occasionally pumps its wells within ECP for well maintenance or irrigation use. SRP samples the water in the canal for contamination and will stop using the well(s) if contamination in the canal is detected above the AWQS of 5.0 micrograms per liter ( $\mu\text{g/l}$ ) for PCE.



### COMMUNITY INVOLVEMENT

ADEQ will keep the public informed through fact sheets and public meetings. An active CAB has been formed for this site and meets on a quarterly basis. The purpose of the CAB is to:

- provide comments to ADEQ on the remedial investigation report, and other cleanup and investigation issues related to this site;
- represent a diversified cross-section of the community in and around the site;
- participate in outreach to the community;
- disseminate information to the community;
- make site visits if desired.

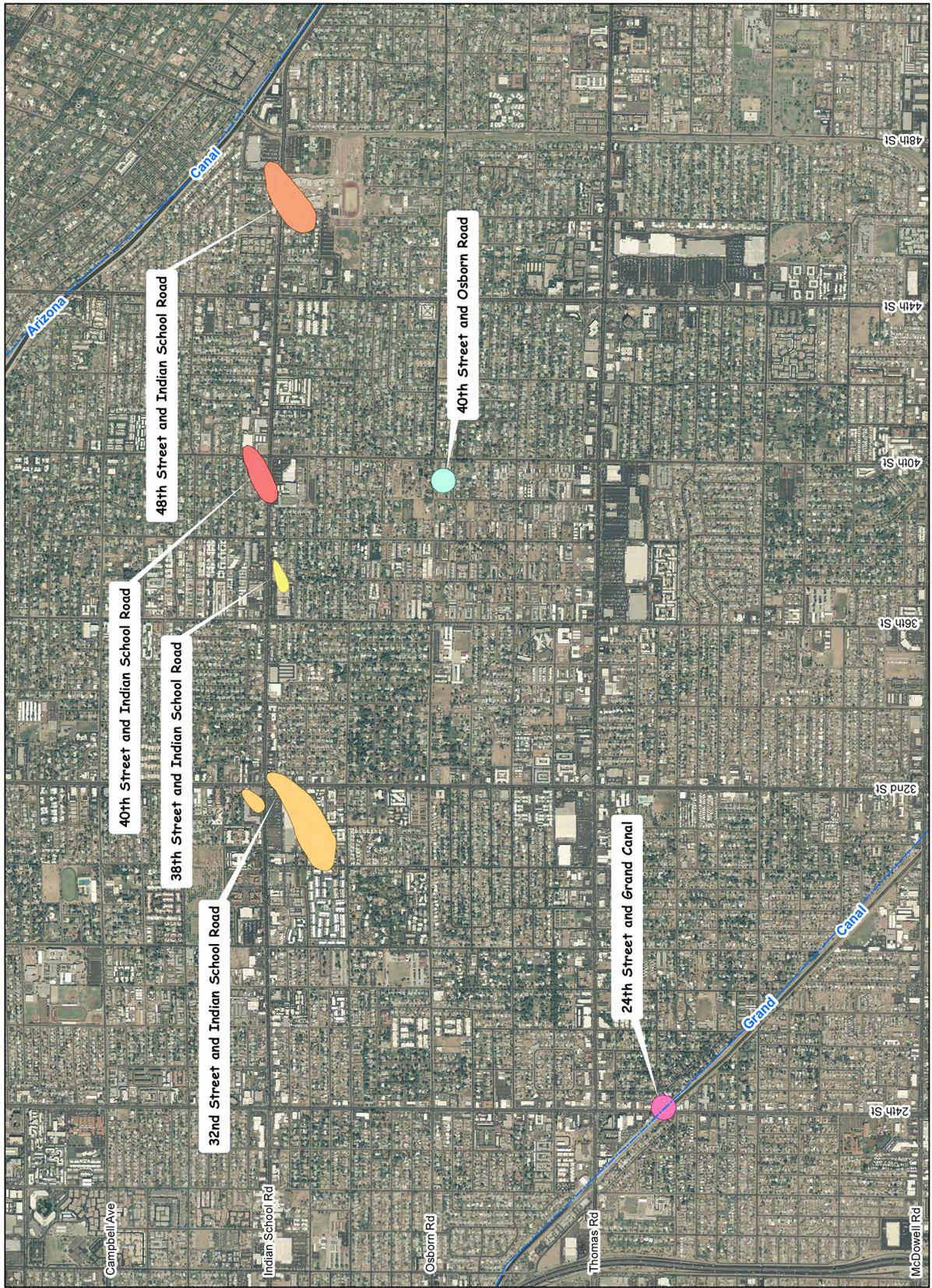
### We Need More CAB Members!

The CAB is currently looking for members of the public to serve on the CAB.

- Are you concerned about the environment and protecting public health?
- Do you live, work, own property or a business in the area of the site and/or are you interested in the site?
- Do you have a minimum of two hours a day for four times a year to volunteer?

If you answered yes to any of the questions and would like to apply to be a member of the CAB, please fill out and complete the enclosed application. For more information on community involvement activities at the site please call Wendy Flood, ADEQ Community Involvement Coordinator, at (602) 771-4410 or 1-800-234-5677 Ext. 771-4410.

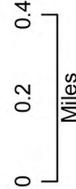
# East Central Phoenix (ECP) WQARF Sites



### Legend

#### Superfund02012

- NAME
- █ ECP 24TH STREET AND GRAND CANAL
- █ ECP 32ND STREET AND INDIAN SCHOOL ROAD
- █ ECP 38TH STREET AND INDIAN SCHOOL ROAD
- █ ECP 40TH STREET AND INDIAN SCHOOL ROAD
- █ ECP 40TH STREET AND OSBORN ROAD
- █ ECP 48TH STREET AND INDIAN SCHOOL ROAD
- █ Canals



Phoenix, Arizona  
July, 2012

#### WASTE PROGRAMS DIVISION GIS and Data Management Unit

Map produced by Arizona Department of Environmental Quality, Waste Programs Division, GIS and Data Management Unit, 18 Summers Street, Phoenix, AZ 85004  
Special Out Reach ECP Projects 2012  
ECP  
web name: ecp

Data Sources: Arizona Department of Environmental Quality, Arizona Land Resources Information System, Arizona Department of Transportation, Map Reader, July 2012  
Projection: UTM, NAD 83, Meters

*Site boundaries depicted on the site map represent the map was constructed. The map is intended to provide the public with basic information as to the geographic location of known contamination. The extent of contamination may be different. Therefore, the geographic boundaries for this site may change in the future as new information becomes available.*

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Figure 1

## WHAT IS WQARF AND THE REGISTRY?

The WQARF program was established by Arizona law to conduct statewide surface and groundwater monitoring, study health effects of contamination, perform emergency remedial actions, and conduct long-term remedial action programs. The WQARF Program is funded with state monies, civil and criminal penalties, and funds recovered from parties responsible for contamination.

ADEQ has established a registry of sites in Arizona where groundwater and/or soil contamination are known to be present. Sites appearing on this registry qualify for funds available from the state's WQARF for investigation and/or cleanup of contamination.

The ECP sites are included on this registry. For further information on these sites or other WQARF sites, please visit ADEQ's web site at [www.azdeq.gov](http://www.azdeq.gov). Click on Waste Programs, then Superfund/WQARF, and follow the prompts for the information you need.

## ADEQ CONTACTS

Danielle Taber  
ADEQ Project Manager  
(602) 771- 4414  
or toll free at (800) 234-5677 Ext. 771-4414  
E-mail: [dt3@azdeq.gov](mailto:dt3@azdeq.gov)

Wendy Flood  
ADEQ Community Involvement Coordinator  
(602) 771-4410  
or toll free at (800) 234-5677 Ext. 771-4410  
E-mail: [ww1@azdeq.gov](mailto:ww1@azdeq.gov)

Para información en español sobre este sitio, comuníquese con Cecilia Montiel al (602) 771-4151.



40th St. and Osborn Rd.

## GLOSSARY

**Aquifer Water Quality Standard (AWQS)** - These are standards set to protect the quality of the water in aquifers for present and foreseeable uses, including consumption of the water by humans.

**Cleanup** - Actions taken that deal with a release or threats of a release of a hazardous substance that could affect people or the environment. The term "cleanup" is sometimes used interchangeably with the terms remedial action, removal action, response action, remedy, remediation, or corrective action.

**Contamination** - Any hazardous substance released into the environment.

**Early Response Action (ERA)** - Refers to a remedial action performed prior to the final remedy, and often prior to the remedial investigation. An ERA addresses current risks to public health, welfare, and the environment; protects or provides a supply of water; addresses sources of contamination; or controls or contains contamination where such actions are expected to reduce the scope or cost of the remedy needed at the site.

**Feasibility Study (FS)** - A process to identify a reference remedy and alternative remedies that appear to be capable of achieving the remedial objectives for the site. It is often done as part of a two-phase investigation in conjunction with a remedial investigation (RI/FS).

**Groundwater** - Water found beneath the earth's surface that fills pores between materials such as sand, clay, or gravel. In aquifers, groundwater occurs in sufficient quantities that it can be used for drinking water, irrigation, and other purposes.

**Remediation** - Actions taken to deal with the release of a hazardous substance that could affect people or the environment. Also see the term "cleanup".

**Soil Vapor (Soil Gas)** - Gaseous elements and compounds that occur in the small spaces between soil particles. Such gases can move through or leave the soil depending on changes in concentrations or pressure.

**Tetrachloroethene (PCE)** - A clear, colorless, nonflammable solvent that readily evaporates at room temperature. PCE is widely used for dry cleaning of fabrics and degreasing/drying of metals.

**Trichloroethene (TCE)** - TCE is a nonflammable, colorless solvent that readily evaporates at room temperature. TCE is used mainly for degreasing/drying of metals and cleaning of fabrics.

**Volatile Organic Compounds (VOCs)** - A large group of carbon-containing chemicals that readily evaporate at room temperature. Examples of VOCs are isopropyl alcohol (rubbing alcohol), acetone (found in some nail polish removers), and the solvents PCE and trichloroethylene (TCE) (used in dry cleaning and metal degreasing).

**Water Quality Assurance Revolving Fund (WQARF)** - A program administered by ADEQ to (1) conduct statewide surface and groundwater monitoring; (2) study health effects; (3) perform emergency remedial actions; and (4) conduct long-term remedial action programs. Also known as "State Superfund Program."



**Water Quality Assurance Revolving Fund Mailing List Form and Community Advisory Board (CAB) Membership Application**

**Fondo Rotativo para la Garantía de la Calidad del Agua Formulario para la Lista de Correo y Solicitud para Membresía en el Consejo Comunitario de Consulta**

Any ADEQ translation or communication in a language other than English is unofficial and not binding on the State of Arizona. Cualquier traducción o comunicado de ADEQ en un idioma diferente al inglés no es oficial y no sujetará al Estado de Arizona a ninguna obligación jurídica.

Site Name (Nombre del Sitio): \_\_\_\_\_

If you would like to be added to the site mailing list, please fill out the top portion of this form and return it to ADEQ. If you would like to apply to serve on the CAB, please also complete the bottom portion of this form. (Si usted quisiera estar en la lista de correo para el sitio, favor de llenar la parte de arriba de este formulario y devolverlo a ADEQ. Si usted quisiera entregar una solicitud para servir en el CAB, favor de también completar la parte abajo de este formulario.)

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_  
(Nombre) (Apellido)

Organization / Association: \_\_\_\_\_  
(Organización / Asociación)

Address: \_\_\_\_\_  
(Dirección)

City: \_\_\_\_\_ Zip code: \_\_\_\_\_  
(Ciudad) (Código Postal)

Mailing address: (if different from above) Dirección de Correo: (si es diferente de la anterior) \_\_\_\_\_  
City: \_\_\_\_\_  
(Ciudad)

Zip code: \_\_\_\_\_ Email address: \_\_\_\_\_  
(Código Postal) (Correo Electrónico)

Occupation: \_\_\_\_\_ Employer: \_\_\_\_\_  
(Ocupación) (Empleador)

Phone numbers: (home:) \_\_\_\_\_ (work:) \_\_\_\_\_  
(Números de Teléfono): (domicilio) (trabajo:)  
(cell:) \_\_\_\_\_ (other:) \_\_\_\_\_  
(celular) (otro)

**Application for CAB Membership (Solicitud para Membresía en el CAB)**

How long have you lived in or near the Site? \_\_\_\_\_  
(¿Por cuánto tiempo ha vivido usted en o cerca del Sitio?)

Are you willing to make a commitment to serve on the CAB for at least 1 year? \_\_\_\_\_  
(¿Está usted dispuesto(a) a comprometerse a servir en el CAB por lo menos un año?)

Are you able to attend at least four meetings a year? \_\_\_\_\_  
(¿Puede asistir por lo menos a cuatro reuniones por año?)

What day(s) / time(s) would be best for you to attend meetings? \_\_\_\_\_  
(¿Cuáles día(s)/hora(s) serían las mejores para que usted pudiera asistir a las reuniones?)

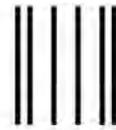
Please explain why you would like to serve on the CAB (attach a separate sheet if needed):  
(Por favor explique por qué quisiera participar en el CAB) (adjunte otra hoja, si es necesario)

\_\_\_\_\_  
\_\_\_\_\_

Return this application to (Devuelva esta solicitud a):  
ADEQ, Outreach Unit, 1110 West Washington, Phoenix, AZ 85007 or fax to (602) 771-4138.  
For more information, visit ADEQ's Web site at: [www.azdeq.gov](http://www.azdeq.gov) or contact Wendy Flood at (602) 771-4410.  
Para más información, favor de visitar la página del Internet de ADEQ al [www.azdeq.gov](http://www.azdeq.gov) ó llame a Cecilia Montiel al (602) 771-4151.

After completion please fold and tape this form before mailing (no staples). Thank you for your interest. Después de llenar la solicitud, por favor de doblarla y sellarla (no grapas) antes de enviarla. Gracias por su interés.

FROM:



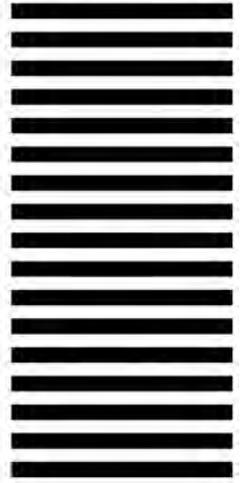
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1110 W. WASHINGTON STREET, 4415B-1  
PHOENIX, AZ 85007-9973



**Community Advisory Board Members Needed!**