



7th Street and Missouri Avenue Water Quality Assurance Revolving Fund Site



Drilling of groundwater wells at 7th and Missouri WQARF site.

This fact sheet is a publication of the Arizona Department of Environmental Quality (ADEQ) to inform community members near the 7th Street and Missouri Avenue Water Quality Assurance Revolving Fund (WQARF) site in Phoenix of current site activities related to contamination being present as per A.R.S. § 289.02. If you receive your drinking water from City of Phoenix, your current drinking water is not affected by the groundwater contamination at the site.

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

Site Description

ADEQ recently added the 7th Street and Missouri Avenue site to the WQARF registry. The site consists of contaminated soil and groundwater located in the vicinity of the intersection of 7th Street and Missouri Avenue, Phoenix, Arizona. The site is approximately bounded to the north by East Montebello Avenue, to the south by East Georgia Avenue, to

the west by North 6th Street, and to the east by North 10th Street (Figure 1, page 4 plume map).

What are the contaminants at this site?

Tetrachloroethene (PCE) is a manmade solvent commonly used in the dry cleaning process and as a degreaser in many industrial applications. Trichloroethene (TCE) is a solvent primarily used in metal degreasing and cleaning operations and can also be a breakdown product of PCE.

What are the health risks associated with contamination?

People who drink water containing PCE or TCE over many years could experience problems with their liver and may have an increased risk of cancer. The City of Phoenix does not have any drinking water wells in the vicinity of this WQARF site. Citizens in this area that are connected to City of Phoenix water are being supplied by drinking water

wells that meets all applicable federal and state drinking water standards. Salt River Project (SRP) wells in the area are not used for drinking water.

Exposure to PCE and TCE through contact with soil is unlikely at this site, as the soil in the area of the suspected release was removed. It is possible that PCE and TCE are present in soil vapor at this site; additional soil vapor sampling is needed to help ADEQ better understand if this exposure route is present and if possible health risks exist.

The evaluation of this area does not necessarily represent a determination that the release of a hazardous substance at the site poses a threat to human health or the environment.

Scope of Work, Outline of Community Involvement Plan, and Fact Sheet

Availability Notice Pursuant to A.R.S. §49-287.03 (c) (d), ADEQ is announcing the availability of the scope of work, outline of a community involvement plan and fact sheet for the 7th Street and Missouri Avenue site.

To obtain copies, contact Wendy Flood at (602) 771-4410; 1-800-234-5677 ext: 6027714410

What is the Water Quality Assurance Revolving Fund?

The WQARF Program was established by Arizona law to:

1. Conduct statewide surface and groundwater monitoring
2. Study health effects
3. Perform early remedial actions
4. Conduct long-term remedial action programs

ADEQ established the WQARF Registry to include sites in Arizona where groundwater and/or soil contamination is present. Sites appearing on the WQARF Registry are managed by the WQARF Program for investigation and/or cleanup of contamination. Listing of 7th Street and Missouri Avenue on the WQARF Registry was due to the presence of PCE and TCE in the groundwater beneath the site.

Site History

Chlorinated solvents PCE and TCE were initially detected in early 2000 from groundwater samples from several monitor wells in the area of 7th Street and Missouri Avenue. PCE and TCE were detected in monitoring wells installed to assess a gasoline release from an underground storage tank (UST) system at a convenience store located at the northwest corner of 7th Street and Missouri Avenue. In addition, PCE has consistently been detected above the Aquifer Water Quality Standard (AWQS)

for PCE of 5 parts per billion (ppb) in a SRP Agricultural Improvement and Power District irrigation well, 14.0E-9.6N, located immediately north of the convenience store.

In 2010, ADEQ installed monitoring wells around the Fashion Cleaners facility located at 736 East Missouri Avenue, Phoenix, Arizona. In the monitoring well immediately downgradient of Fashion Cleaners, PCE has been detected above the AWQS. Fashion Cleaners will be entering ADEQ's Voluntary Remediation Program to address cleaning up their portion of the contamination.

In 2013, ADEQ installed an additional monitoring well and groundwater monitoring results suggest there is an additional release of PCE southwest of the 7th Street and Missouri Avenue intersection, in the area of the former Kino Drapery Cleaners location. ADEQ also installed and sampled a well upgradient of the former Kino Drapery Cleaners. Results indicated no upgradient source of PCE.

In 2014, ADEQ collected soil and soil vapor samples from beneath the building currently located at the southwest corner 7th Street and Missouri Avenue. Results indicated that a release of PCE had occurred to the subsurface from the former Kino Drapery Cleaners location.

What are ADEQ's Plans at this site?

The site was listed on the WQARF Registry on June 24, 2016 with an Eligibility and Evaluation (E&E) score of 42 out of 120. ADEQ will begin the remedial investigation (RI) phase of the WQARF process to determine if additional sources of the contamination exist, as well as determine the depth and extent of groundwater contamination down gradient.

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

How can the public be involved?

As progress continues at the site ADEQ will keep the public informed through fact sheets and public meetings. Please sign up for our mailing list to be notified of site progress and to let us know if there are others who should be provided notice. Fill out and return the enclosed mailing information.

ADEQ is forming a Community Advisory Board (CAB) to advise ADEQ and the public of issues, concerns and other information related to investigations and remediation of the site. The purpose of the CAB will be to:

- Provide comments to ADEQ on the RI 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;
- Make site visits if needed.

CAB Members Needed

- 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, 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 please call the ADEQ Community Involvement Coordinator listed at the end of the notice.

If you own or operate a private well within or near the area of this site, please contact ADEQ and we will arrange to collect a sample from your well.

ADEQ Contacts:

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Involvement Coordinator
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To request an auxiliary aid or service for accessible communication, please contact ADEQ at (602) 771-4791 or at HRhelp@azdeq.gov or dial 7-1-1 for TTY/TTD Services.

For further information on this site or other WQARF sites, please visit the ADEQ web site at www.azdeq.gov. Click on Programs, Waste Programs, then State Superfund (WQARF), and follow the prompts for the information you need. Information about the 7th Street and Missouri Avenue site is available at the ADEQ main office located at 1110 West Washington. Please call the Records Management Center at (602) 771-4380 48 hours in advance for a file review appointment.

GLOSSARY

Aquifer Water Quality Standard

These are enforceable standards set to protect the quality of the water in Arizona aquifers for present and foreseeable uses, including consumption of the water by humans.

Contamination

Any hazardous substance released into the environment.

Eligibility and Evaluation (E&E)

The Eligibility and Evaluation scoring model was established in 1996 pursuant to WQARF statute 49-287.01. Scores are derived from information about the contaminant release that is collected during the preliminary investigation.

Feasibility Study

The evaluation of potential remediation methods for achieving the cleanup goals determined during a remedial investigation.

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.

Remedial Investigation (RI)

An in-depth study designed to gather the data necessary to determine the nature and extent of contamination at a site and the risk posed by the contamination.

Trichloroethene (TCE)

A heavy, colorless liquid used to degrease metals, as an extraction solvent for oils and waxes, as a refrigerant, in dry cleaning and as a fumigant.

Tetrachloroethene (PCE)

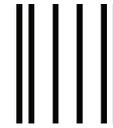
A clear, colorless, nonflammable solvent that readily evaporates at room temperature. PCE is widely used for dry cleaning of fabrics and degreasing/drying of metals.

Voluntary Remediation Program

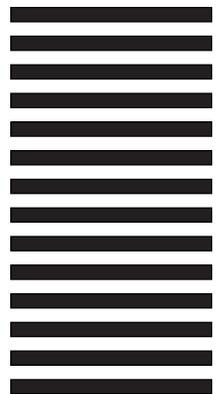
Through the program property owners, prospective purchasers and other interested parties investigate or clean up a contaminated site in cooperation with ADEQ. VRP results in a streamlined process for program participants who work with a single point of contact at ADEQ to address applicable cross-program remediation efforts. ADEQ reviews these voluntary remedial actions and provides a closure document for successful site remediation that is accepted by all relevant ADEQ programs.



COMMUNITY INVOLVEMENT COORDINATOR
 6TH FLOOR, 1110 W WASHINGTON ST STE 127
 PHOENIX AZ 85007-9973



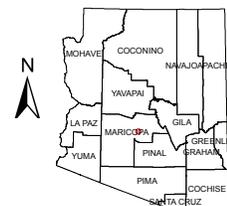
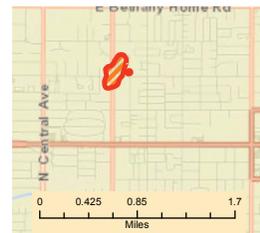
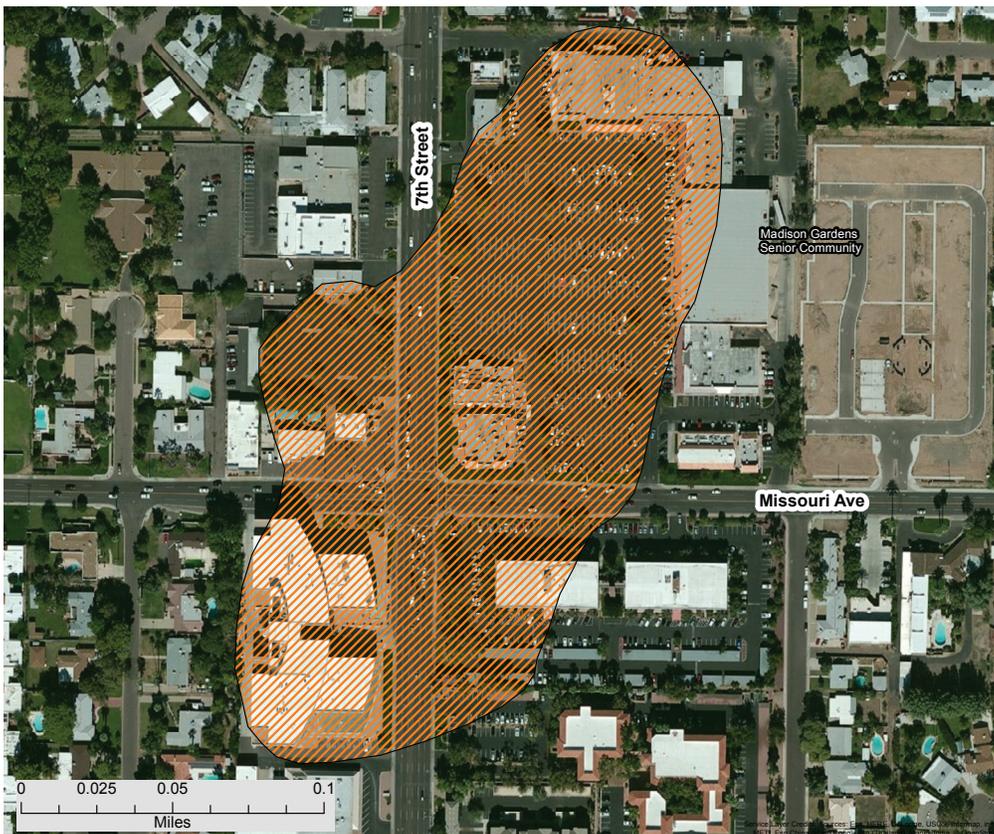
NO POSTAGE
 NECESSARY
 IF MAILED
 IN THE
 UNITED STATES



7th Street and Missouri Avenue - Phoenix, AZ



FACT SHEET



Legend:
 Water Quality Assurance Revolving Fund Site (WQARF)
Plume Data Update: 07/01/2015

Map Date: July, 2016
 Publication Number M 16-31

Plume boundaries depicted on the site map represent ADEQ's 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 geographic extent of known contamination as of the date of map production. The actual extent of contamination may be different. Therefore, the plume for this site may change in the future as new information becomes available.

Figure 1 - 7th Street and Missouri Avenue Site Map