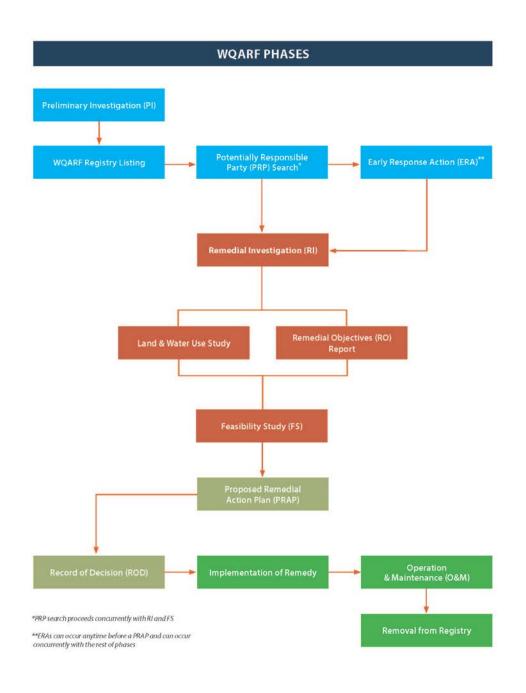


16th Street and Camelback WQARF Site

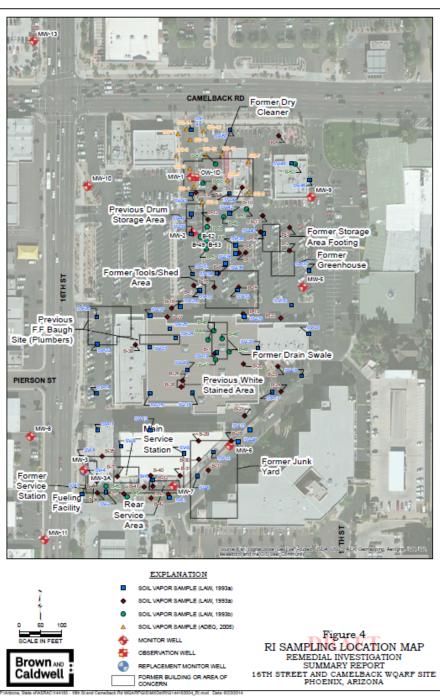
Kevin Snyder, Project Manager

Caroline Oppleman, Community Involvement Coordinator

March 11, 2015 5:30pm



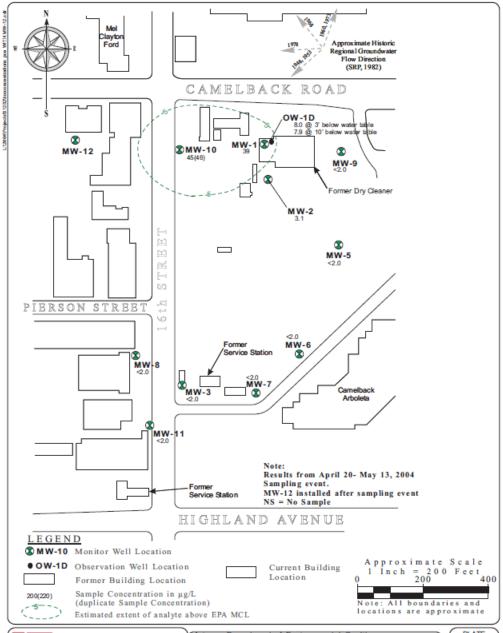






Site History

- The southeast corner property was acquired by Bank One in 1989 through foreclosure.
- Bank One initiated site investigation. They collected soil samples, soil gas samples, installed wells, and collected groundwater samples through 1993. They also excavated contaminated soil from three areas of soil contamination by petroleum hydrocarbons in 1993.
- Contaminants at the site were tetrachloroethene (PCE) in the northern portion of the site and 1,2-dichloroethane (DCA) and 1,2-dichloropropane (DCP) in the southern portion of the site.

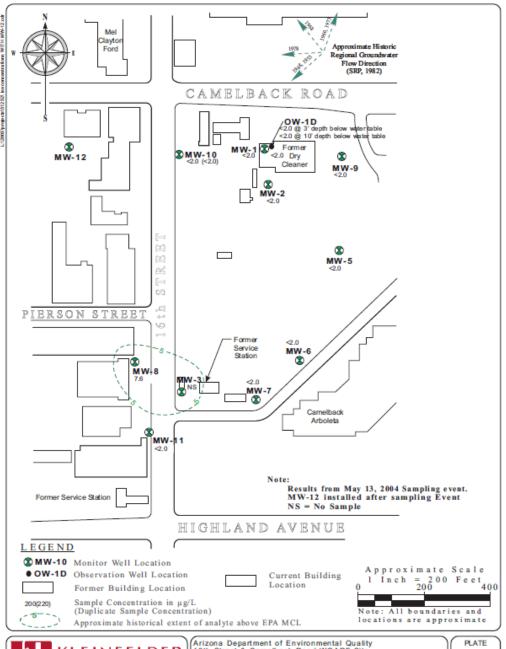




Arizona Department of Environmental Quality 16th Street and Camelback Road WQARF Site Phoenix, Arizona

ISOCONCENTRATION CONTOUR MAP FOR PCE

PLATE





Arizona Department of Environmental Quality 16th Street & Camelback Road WQARF Site Phoenix, Arizona



Site History (continued)

- Bank One settled with ADEQ in 1994 and ADEQ took over investigation of the site.
- ADEQ collected soil samples, soil gas samples, installed wells, collected groundwater samples, and conducted a pilot study for soil and groundwater remediation.
- The pilot study indicated that soil vapor extraction (SVE) and air sparging were not cost effective.
- ADEQ continues to monitor and sample groundwater.



- PCE is currently the only contaminant of concern detected in groundwater at the site at concentrations greater than the Aquifer Water Quality Standard (AWQS).
- Contaminants appear to have naturally attenuated.

Contaminant	December 28, 1999	August 30, 2007	April 17, 2014
PCE	160 ug/l	20 ug/l	11.4 ug/l
1,2-DCA	400 ug/l	<2.0 ug/l	0.62 ug/l
1,2-DCP	15 ug/l	<2.0 ug/l	<0.5 ug/l

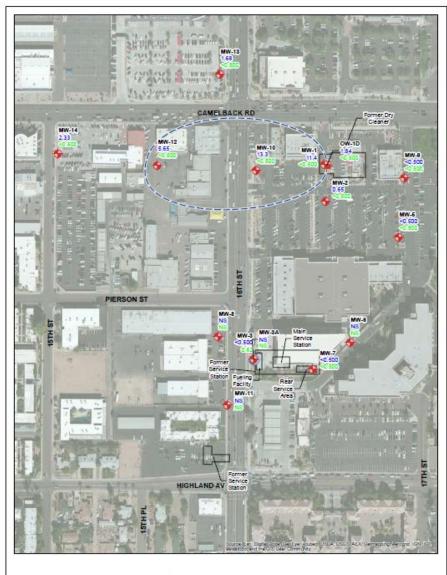


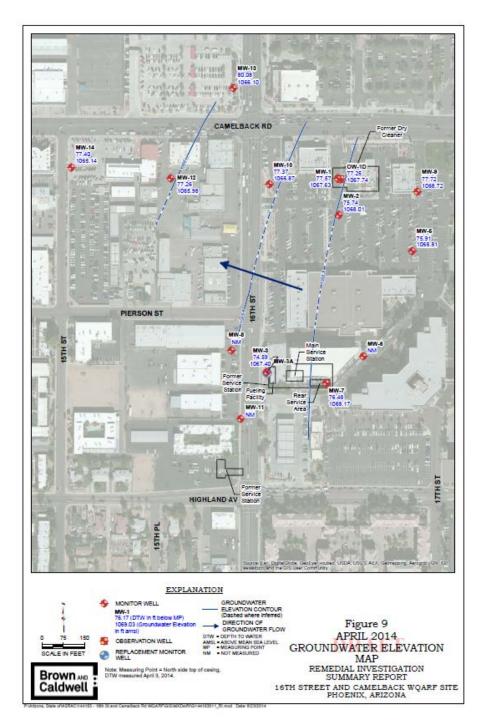


Figure 10

APRIL 2014 PCE

CONCENTRATIONS
IN GROUNDWATER
REMEDIAL INVESTIGATION
SUMMARY REPORT
16TH STREET AND CAMELBACK WOARF SITE
PHOENIX, ARIZONA

PHARbona, State of ASRAC (14418) - 18th St and Came back Rd WQARPQ(SIAK)De/R/G144183008_n.mxd Date: 623/2014





RI Report

- Summarizes investigations conducted to date at site.
- Contains Land and Water Use Report detailing current and reasonably foreseeable land and water uses.
- Will also include finale Remedial Objectives (ROs) Report.



Remedial Investigation Comments

Comments can be given orally or in writing. If giving oral RI Comments, please state the following:

Name
Organization/Company
Address
Phone and/or e-mail
Summarize your Comment

Please remember, all comments must be received by 5:00 pm on March 23, 2015.



Remedial Objectives

Remedial Objectives (ROs) under R18-16-406(I)(4) are established for the current and reasonably foreseeable uses of land and beneficial uses of waters of the state.

ROs are the clean-up goals determined for a specific site.

ROs will be framed as uses of a resource to be protected, when the use needs to be available and how long a specific use might be needed by the affected public.

ROs must be determined with input and discussion with land owners, local governments, water providers, and the public including the CAB members for the site.



Remedial Objectives

Example ROs from another WQARF site.

The remedial objective for regional groundwater at the site is to protect for the use of the groundwater supply by the City of Phoenix, and SRP. This action is currently needed and will be needed if/when groundwater use changes to municipal/drinking water uses. This action will be needed for as long as the level of contamination in the groundwater threatens the use of the regional groundwater for municipal/drinking water uses.



Remedial Objectives

If you want to provide an RO verbally or in writing, please state/include the following:

- Name
- Organization/Company
- Address
- Phone and/or e-mail
- Summarize your RO
- Please remember, all ROs must be received by 5:00 pm on March 23, 2015.



Questions?



Contacts

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Future Planned Work

- Continue to monitor and sample groundwater.
- Finalize Remedial Investigation (RI) Report.
- Conduct Feasibility Study (FS).
- Prepare Proposed Remedial Action Plan (PRAP) and Record of Decision (ROD)