



MEETING MINUTES

**7th Avenue & Bethany Home Road/Central & Camelback
Water Quality Assurance Revolving Fund (WQARF) Site
Community Advisory Board (CAB) Meeting**

Wednesday, May 28, 2014

5:30 p.m. - 7:30 p.m.

**A.L. Moore-Grimshaw Mortuaries Bethany Chapel
710 West Bethany Home Road, Phoenix, AZ 85013**

MINUTES

CAB Members Present: Paul Barquinero; Chad Johnson; Peter Zorbas; Stan Watts; Lynn Morrow; Dan Kingston, Pam Perry

CAB Members Absent: None

ADEQ Staff Present: Wendy Flood, ADEQ Community Involvement Coordinator (CIC); Kevin Snyder, ADEQ Project Manager; Caroline Oppleman, ADEQ CIC

Members of Public Present: Henry Harding

1. Call to Order/Introductions

Mr. Johnson called the meeting to order at 5:34 p.m. and introduced Ms. Oppleman, a new ADEQ CIC. CAB/public introductions followed.

2. Acceptance and/or Changes to January 8, 2014 Minutes

Mr. Watts moved to accept the January 8, 2014 meeting minutes as written; seconded by Ms. Perry and passed unanimously by CAB.

3. Central & Camelback Site – Remedial Investigation (RI) Presentation/Discussion (see attached)

Mr. Snyder, ADEQ Project Manager, gave a presentation covering: events since the last meeting, updates regarding the site groundwater and soil treatment systems and performance, contaminant levels, the RI and Remedial Objectives (ROs) reports, and future planned work.

4. CAB Merger Discussion – 16th Street & Camelback WQARF Site (16th St.)

Ms. Flood updated the CAB on 16th St. and suggested the CAB consider a second merger/expansion with the to-be-formed CAB. Mr. Snyder will provide the CAB with a 16th St. update at the next CAB meeting, following which, members will vote on the merger.

5. Repository and Community Involvement Plan (CIP) Update

Ms. Flood explained that an information repository for the sites needs to be recreated/updated to reflect the CAB merger. She indicated that a consolidated CIP needs to be prepared for 7th Avenue & Bethany Home Road/Central & Camelback Road WQARF sites to reflect the sites' merger. A draft CIP is in progress and will be provided for review. Mr. Watts suggested that the draft CIP be put on hold until the CAB reaches a decision regarding a merger with 16th St.

6. Call to the public

None

7. Future Meeting and Agenda Discussion

Next meeting is scheduled for July 23, 2014 at 5:30 p.m. at the A.L. Moore-Grimshaw Mortuaries Bethany Chapel. Agenda topics will include:

- 16th St. overview
- Vote regarding CAB merger with 16th St.
- RI comment period/RO solicitation
- 7th Avenue & Bethany Home Road WQARF site update

The meeting adjourned at 6:30 p.m.

*This meeting was recorded on a digital device as a record of the proceedings. To listen to a recording, or for additional information about the content of this meeting, contact:
ADEQ: Caroline Oppleman at 602-771-6890.*

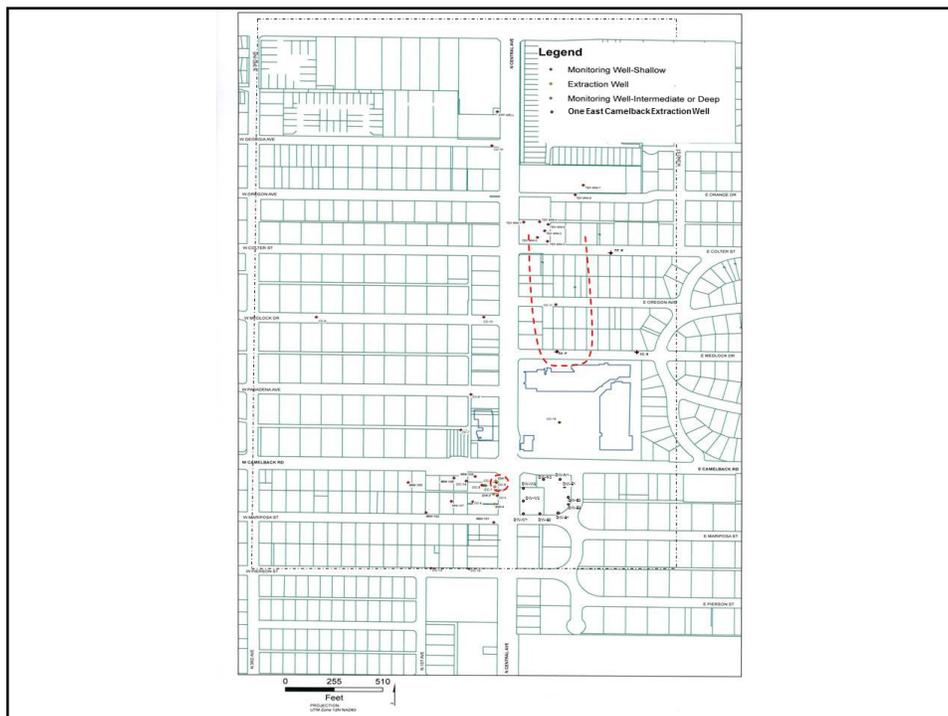


Central and Camelback WQARF Site

Kevin Snyder, Project Manager

Wendy Flood, Community Involvement Coordinator

May 28, 2014 5:30pm





Events Since January 2014 CAB Meeting

- Prepared Draft Remedial Investigation (RI) Report.
- Soil vapor extraction (SVE) system and groundwater treatment system continued to operate.
- Groundwater samples were collected from monitor wells during the first and second quarters of 2014.
- Groundwater samples were collected from the extraction wells and groundwater treatment system quarterly and monthly, respectively. Vapor samples were collected from the SVE system twice monthly or monthly.

Events Since January 2014 CAB Meeting

- ADEQ prepared operation & maintenance (O&M) reports for the Groundwater Remediation and Treatment System and the SVE System on a quarterly basis.
- Hydro Geo Chem, Inc. conducted site activities weekly to keep remediation systems operational.

Groundwater System Update

- The pumps in extraction wells CC-5 and EW-2 are only pumps currently in operation.
- EW-3 and EW-4 were shutdown because of low tetrachloroethene (PCE) concentrations in 2009.
- EW-1 was shutdown because of low pumping rate.

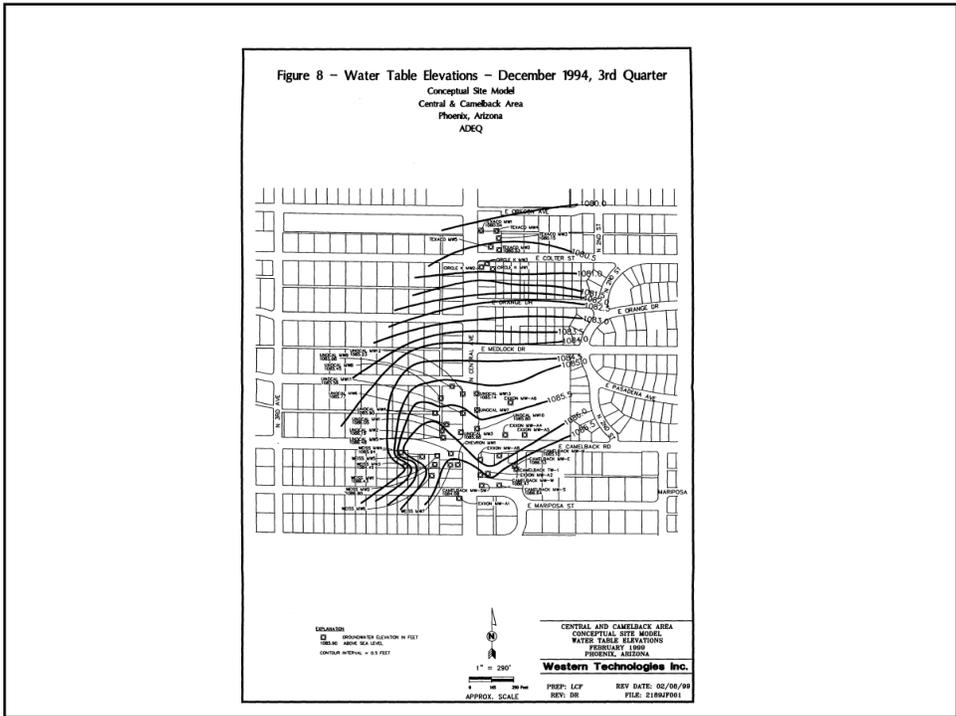
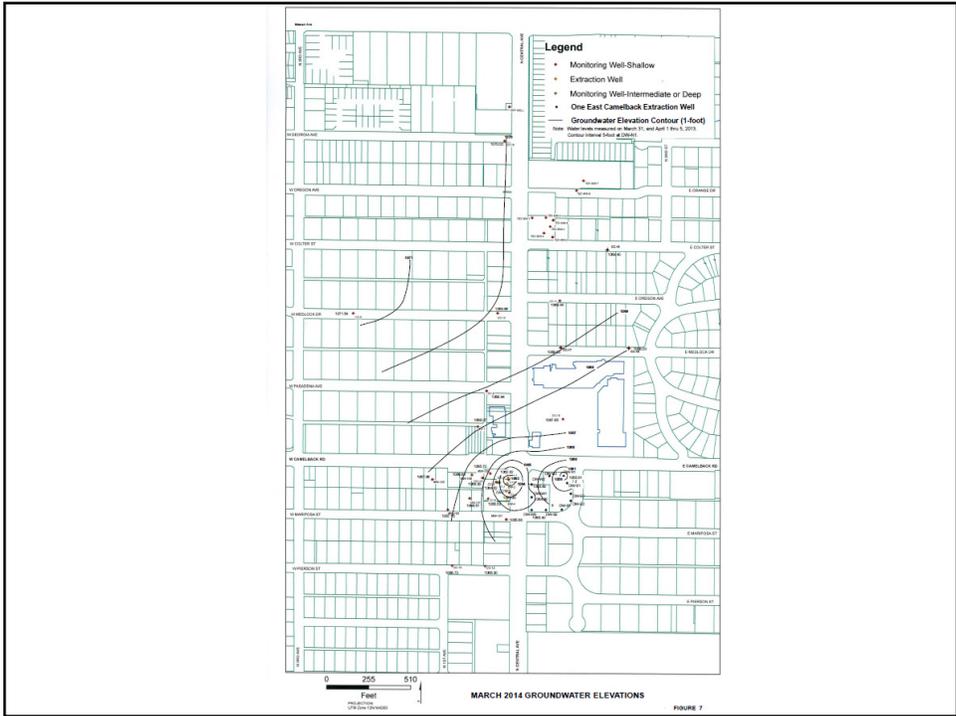
Groundwater System Update

- Repairs to the groundwater treatment system have included:
 - Flow meter calibration in extraction well CC-5;
- The groundwater remediation and treatment system was started January 2003 and was fully operational February 2003. To this point, the groundwater remediation and treatment system has removed approximately 288.8 lbs of PCE from groundwater.

Groundwater System Update

- A total of **356,130,785** gallons of groundwater have been pumped, treated and discharged as of the end of April 2014.

Quarter	Gallons Treated	Percent Operational	VOC/PCE Removed (Lbs.)
1st Qtr 2014	6,215,140	100%	1.01/0.72
April 2014	2,020,970	100%	0.43/0.32



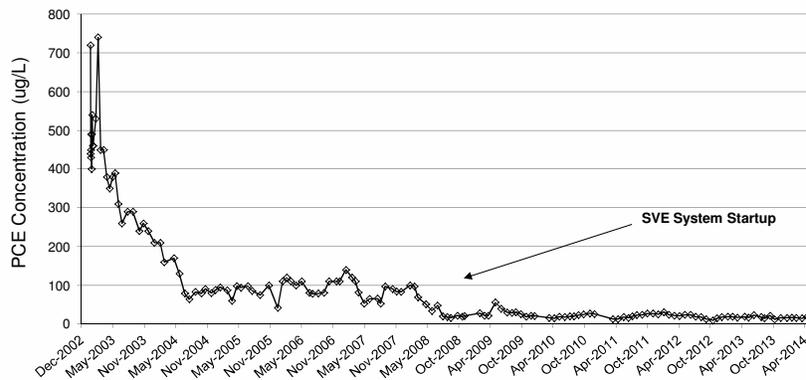
Groundwater System Update

- Range of volatile organic compound (VOC) concentrations for influent samples during startup of system and April 2014:

Analyte	Range 1st & 2nd Qtr 2003	April 2014	AWQS
Benzene	<0.50 – 0.54	<0.50	5
Chloroform	1.8 – 2.8	3.6	100
cis 1,2-DCE	8.5 – 20	0.56	70
PCE	350 – 740	19	5
TCE	9.7 – 16	2.2	5
1,2-DCA	<1.0	<0.50	5

Concentrations in micrograms per liter (µg/L)

PCE Influent Concentration Changes with Time



Notes:
AWQS = 5 µg/L

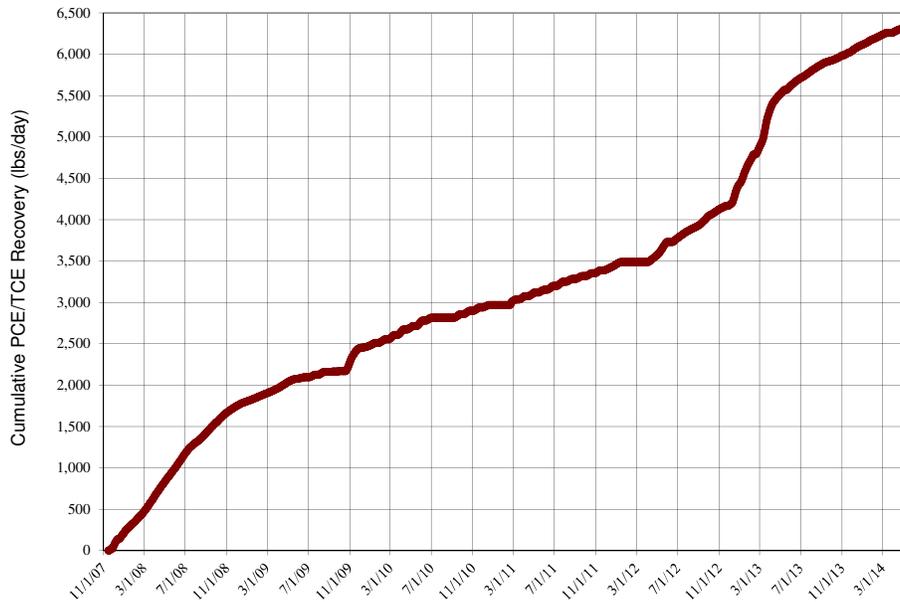
SVE (soil) System Update

- Granular activated carbon (GAC) filter change-out was done in March 2014.
- Conducting quarterly performance tests of system as required by renewed Air Quality Permit.
- The SVE system was started November 2007. To this point, the SVE system has removed approximately 6,313.8 lbs of PCE from soil.

Operation & Maintenance Statistics for the SVE system

Quarter	Percent Operational	PCE/TCE Removed (Lbs.)
1st Qtr 2014	79%	144.6
April 2014	100%	53.5

SVE Recovery With Time



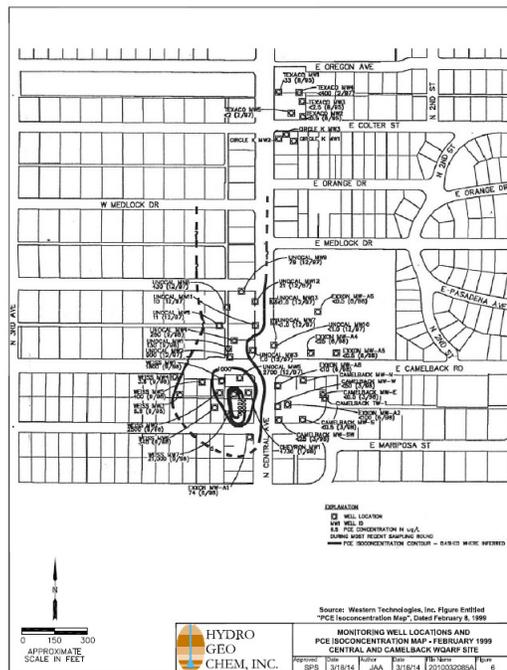
RI Report

- Summarizes investigations conducted to date at study area.
- Contains Land and Water Use Report detailing current and reasonably foreseeable land and water uses.

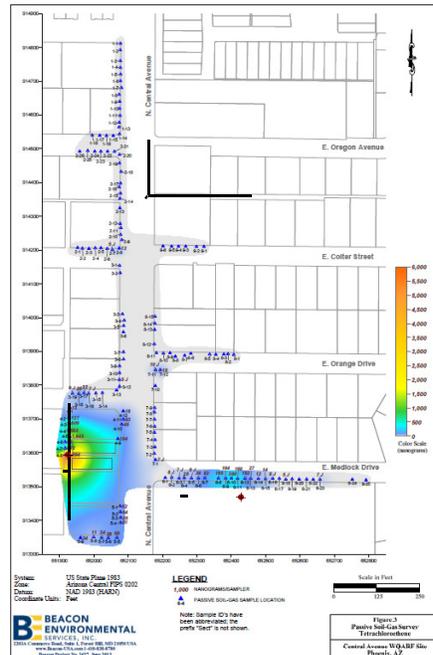
- Red dashed line represents estimated PCE plume at start of investigation.
- Blue dashed line represents estimated PCE plume as of last sampling event.



- Wells monitored and sampled in 1999.
- Wells were part of leaking underground storage tank (LUST) investigations.



- Recent investigations by ADEQ.



Future Planned Work

- Continue O&M Activities for both SVE and Groundwater systems.
- Continue to monitor water levels monthly and collect groundwater samples quarterly as budget allows.
- Prepare Proposed Remedial Objectives (RO) Report.
- Finalize RI Report and RO Report.
- Initiate Feasibility Study (FS) Phase of investigation.