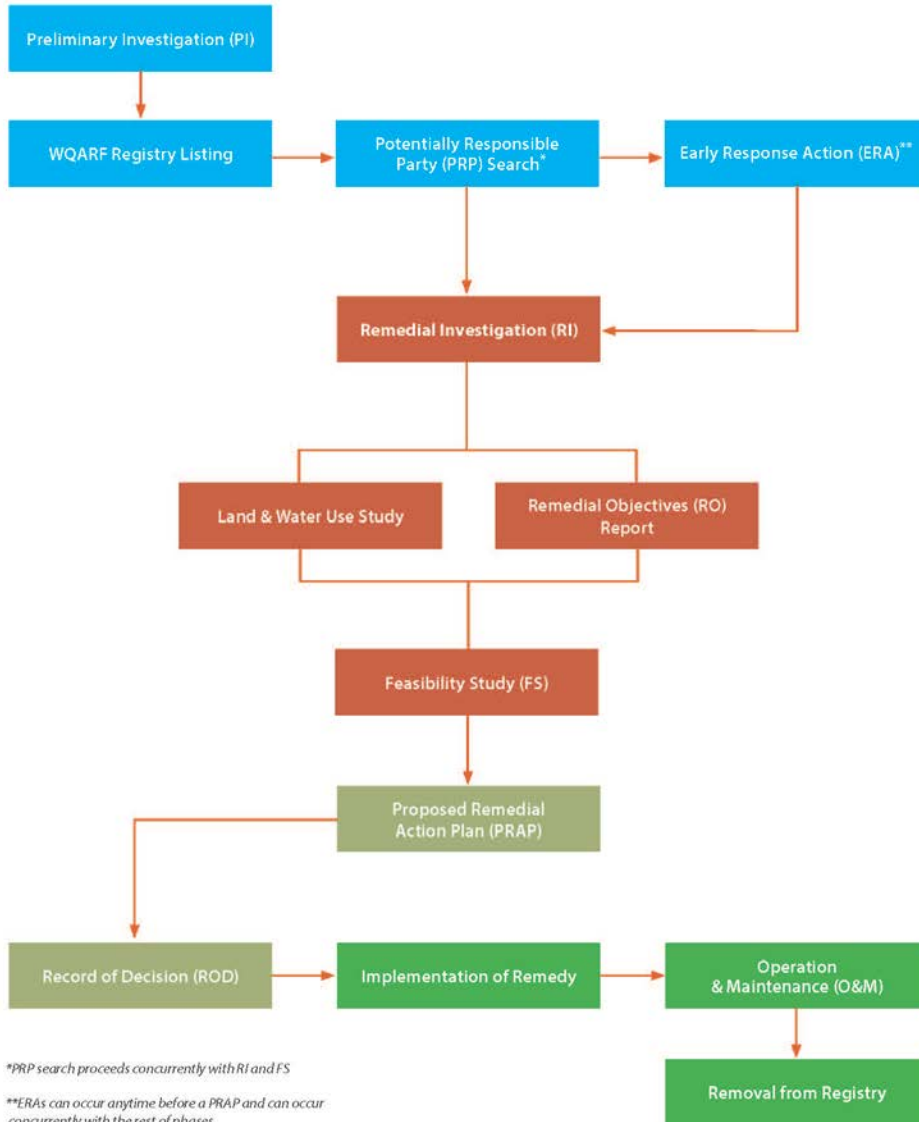


7th Avenue & Bethany Home Road Water Quality Assurance Revolving Fund Site

Community Advisory Board Meeting March 11, 2015

WQARF PHASES

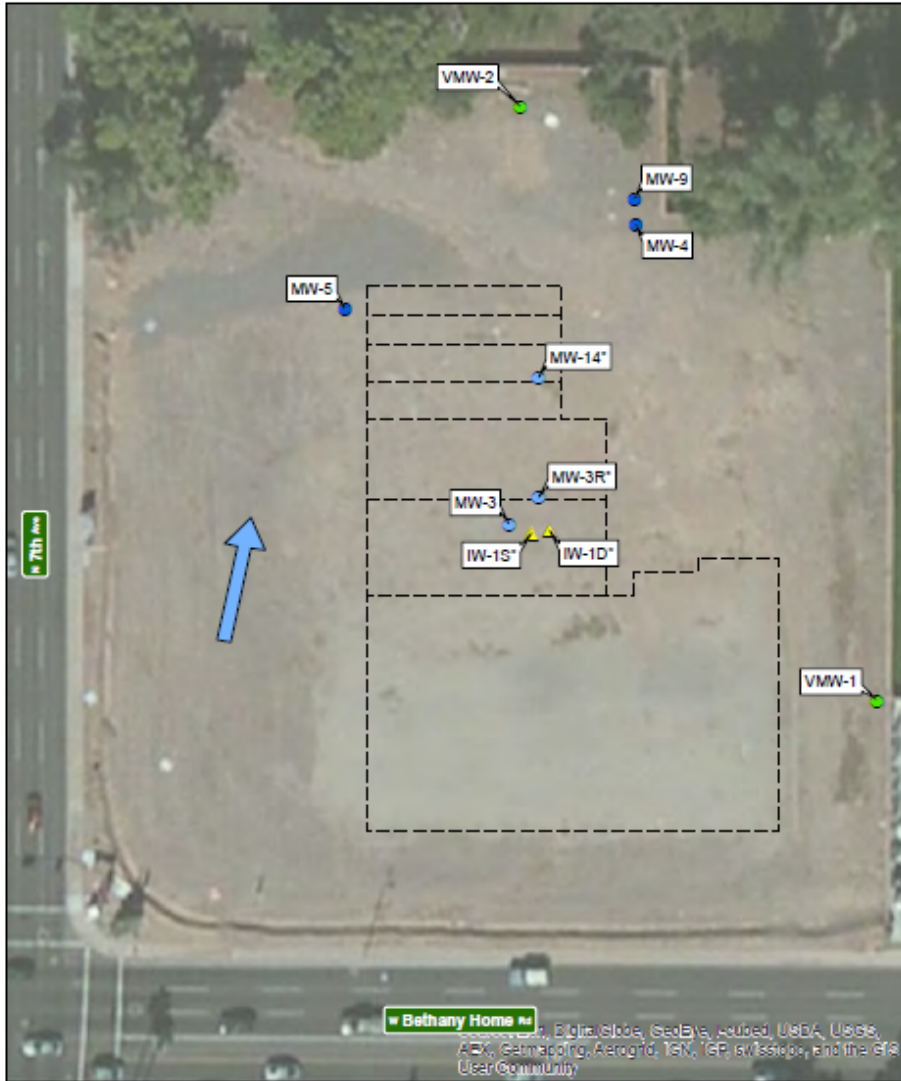


*PRP search proceeds concurrently with RI and FS

**ERAs can occur anytime before a PRAP and can occur concurrently with the rest of phases

- Arcadis sampled pilot area test wells again in August 2014. Results indicated continued reductive dechlorination in the pilot test area. Particularly at directly down gradient monitor well 3R.

G:\Project\ADEQ (Arizona Department of Environmental Quality)\7th Bethany\GIS\p\ops\fig 3 Bayless property well network.mxd 1/10/2014

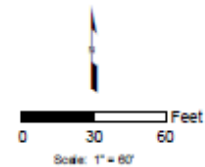


LEGEND

- Groundwater monitor well
- Groundwater monitor well (pilot test network)
- Vapor Monitoring Well (Approximate Location)
- ▲ Groundwater injection well
- Former building
- ➔ Approximate direction of groundwater flow

NOTES

- Aerial photo source: ESRI World Imagery.
- * = well location is approximated based on measurements collected at the site.

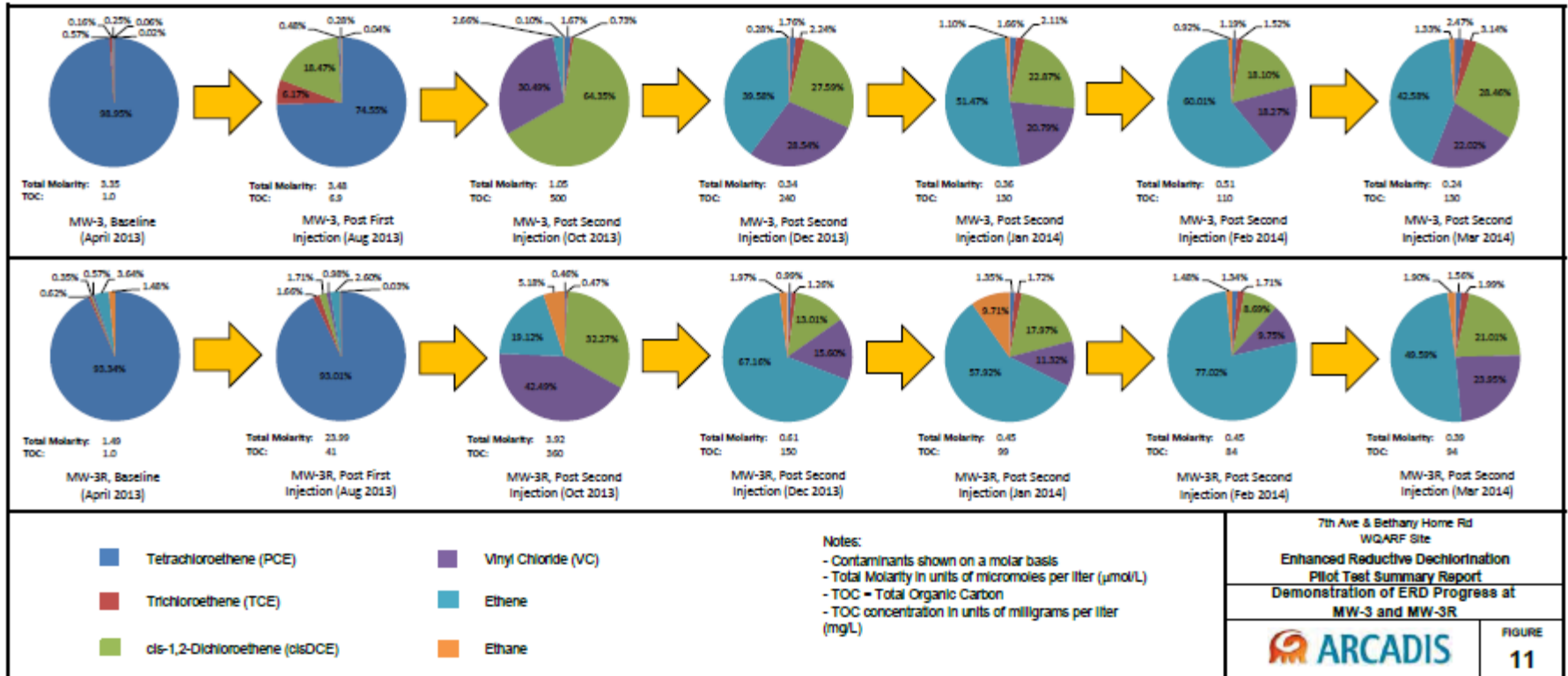


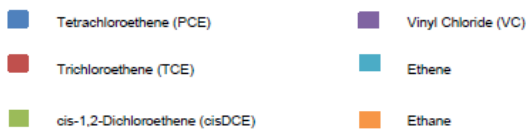
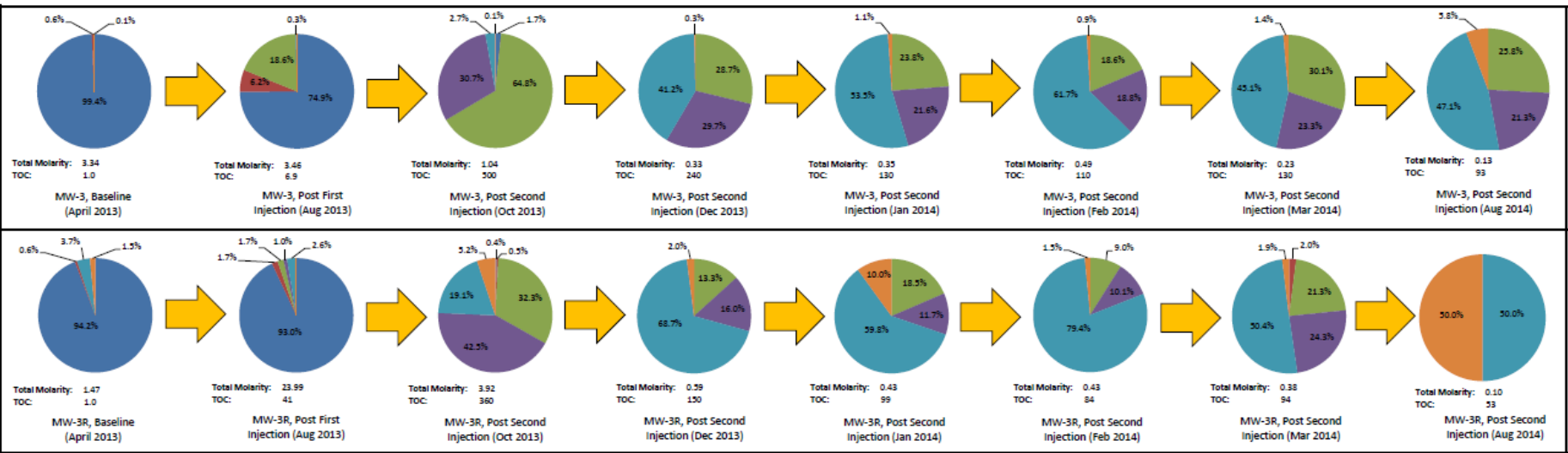
7TH AVENUE & BETHANY HOME ROAD WQARF SITE
PHOENIX, ARIZONA

BAYLESS PROPERTY WELL NETWORK



FIGURE
3





Notes:
 - Contaminants shown on a molar basis
 - Total Molarity in units of micromoles per liter (μmol/L)
 - TOC = Total Organic Carbon
 - TOC concentration in units of milligrams per liter (mg/L)

- In the August 2014 sampling, still no significant impact at monitor well MW-14 located approximately 65 feet down gradient of the injections wells. Tracer, fluorescein dye, and total organic carbon arrival at MW-14 are indicating aquifer travel times on the order of 0.3 feet per day.

- ADEQ switched to a best value based contract in fiscal year 2015. Aracadis did not make the engineering discipline of the new contract. The contract was awarded to URS Corporation, now AECOM.
- AECOM is currently finalizing the proposed remedial action plan (PRAP). Reductive de-chlorination is the proposed remedy.

- AECOM has slightly revised Arcadis' remedial plan, predominately by:
 - moving the on site injection line closer to MW-4, near the north side of the property.
 - Not including a pumping element.
 - Adding two more injection wells to each transect.
 - Applying very conservative aquifer travel time estimate of 0.15 feet/day, which increases the estimated time needed for treatment from five to nine years.

- A second injection line is still proposed for Berridge Lane and a single injection point is still planned near the highest concentration location on the west side plume.
- ADEQ hopes to complete the Record of Decision by the end of Fiscal Year 2015.

Questions?

ADEQ Contacts:

Scott Goodwin, Project Manager
Remedial Projects Section

sdg@azdeq.gov

(602) 771-4452, 1-800-234-5677 ext. 771-4452

Caroline Oppleman, Community Involvement Coordinator
Remedial Projects Section

co2@azdeq.gov

(602) 771-6890, 1-800-234-5677 ext. 771-6890