



Motorola 52nd Street Superfund Site
Community Information Group Webinar
October 26, 2016 - 6:00p to 8:00p

Welcome & Opening - Carlin Hafiz, EPA

- Logistics for webinar, ground rules, roll call of CIG members only

Review Agenda - Carlin Hafiz, EPA

Technical Assistance Services Contract (TASC) Update – Carlin Hafiz, EPA

OU1 Updates - Laura Fischer, ADEQ / Rachel Loftin, EPA / Tom Suriano, Clear Creek

OU2 Updates – Laura Fischer & Karin Harker, ADEQ / Rachel Loftin, EPA

OU3 Updates – Rachel Loftin, EPA

Five Year Review - Rachel Loftin, EPA

Next Meeting & Adjourn



Motorola 52nd Street Superfund Site

Community Information Group Ground Rules

- Treat each other with respect
- Value constructive feedback
- Be brief and focus on facts, rather than opinions
- Be open, non-judgmental in our communications
- De-personalize the discussion-no personal attacks
- Honor that everyone participates, no one dominates
- Create action list with responsibilities, timelines
- Items outside focus of meeting take place offline

- TASC contractor is Skeo.
- Skeo met with CIG members, ADEQ, and EPA to poll for activities for the TASC funded work.
- Skeo will draft recommendations for activities to be funded.
- A call will be set up with CIG members, ADEQ, and EPA to go over and prioritize the activities to be funded.
- EPA will send an email with proposed dates for the prioritization call.

M52 GROUNDWATER PLUME GRAPHIC

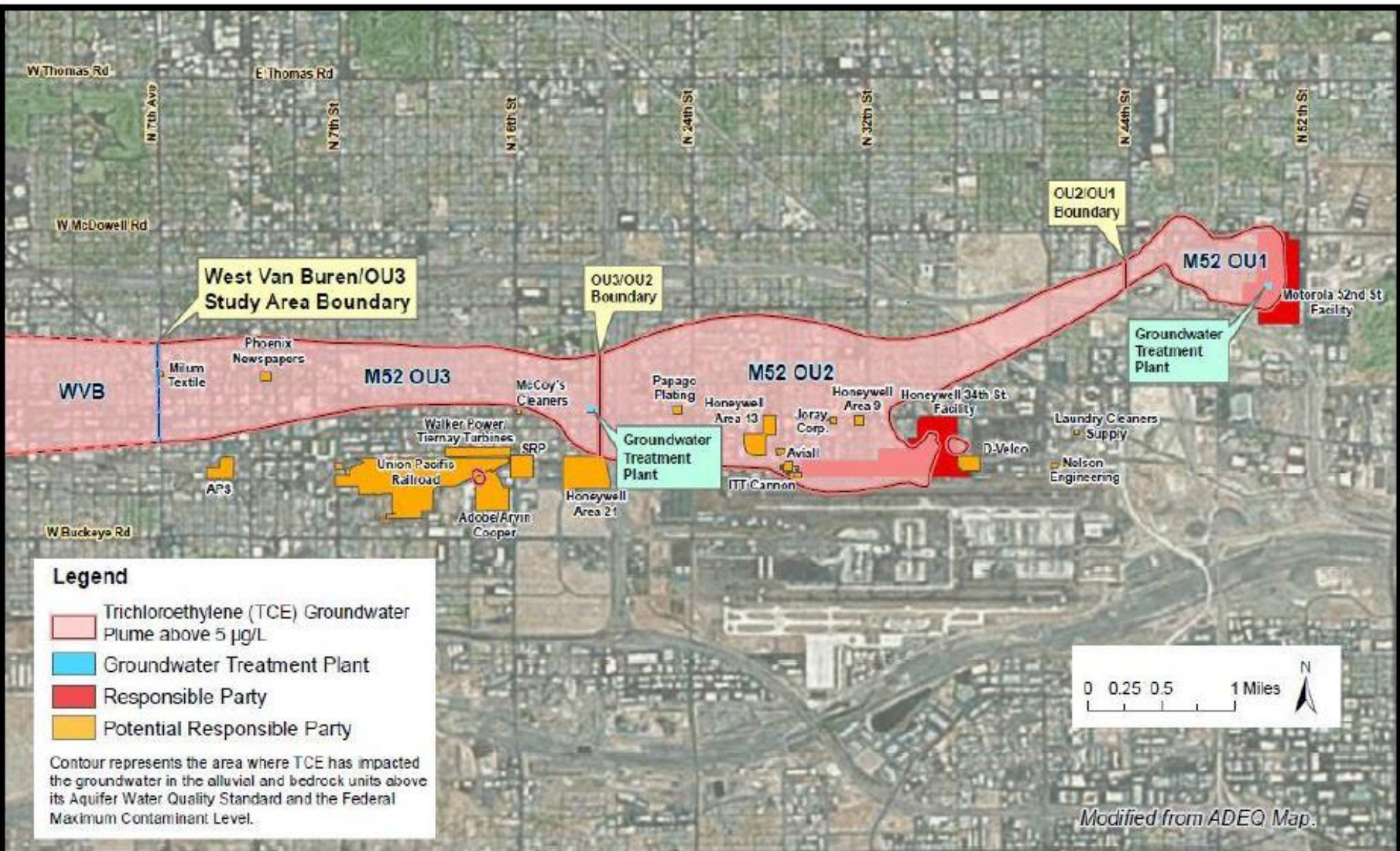


Figure 1: Approximate location of Motorola 52nd Street Superfund Site TCE groundwater plume (2010) and West Van Buren boundary.



- Field work has been completed for the Remedial Investigation and the report is currently being drafted. Upon completion of the Remedial Investigation, a Feasibility Study will be conducted to determine if any changes or adjustments to the existing remedy are necessary.
- A pilot test work plan has been submitted to EPA and ADEQ for review to look at the implementability and effectiveness of using PlumeStop in reducing or removing contamination/vapor intrusion in the Almeria neighborhood.



Vapor Intrusion

- The residential vapor intrusion investigation is complete. A total of 16 residential buildings required mitigation, including a duplex (19 residences).
- Working on ADOT commercial property deed restriction and mitigation as ADOT may put the property to use in the foreseeable future.
- Ongoing annual system maintenance checks and indoor air monitoring conducted at mitigated homes through February 2016. Indoor air monitoring to change to every 2 years for next sampling in 2018.
- The former approx. 90-acre M52 Complex vapor intrusion investigation was conducted in February, July and August 2016 by Freescale/Clear Creek.
- Presentation from Clear Creek was made during April 2016 webinar.
- No vapor intrusion occurring. Presentation from Clear Creek on 2016 Summer sampling.



Clear Creek Presentation



- ADEQ and EPA is continuing to complete the 2015 Operable Unit 2 Effectiveness Report reflecting the annual groundwater sampling in fall 2015.
- The Agencies have been working with Honeywell on the Focused Feasibility Study which will be revised to a Remedy Evaluation Plan for the Honeywell 34th Street Facility.
- ADEQ and EPA are reviewing an Offsite Well Installation Work Plan for data gap characterization of the plume downgradient and south of the Honeywell 34th Street Facility.
- Honeywell Area 21 located near 20th Street and Washington is moving forward with the requested soil gas sampling to be conducted as part of the Focused Remedial Investigation.
- The OU2 Groundwater Treatment system continues to provide plume containment. Groundwater levels continue to decline. The screen intervals above the water table, especially the southern extraction well are being monitored. So far this hasn't affected the extraction rates.



- ADEQ has completed the September 2015 Sitewide maps and is in the process of posting them on ADEQ's website. ADEQ is currently in the process of reformatting our website to be more user friendly so not all the information is available yet, but there is a link at the bottom that will take you to the old site.
- The former Joray/Kachina facility located at 30th Street and Washington continues to operate the soil vapor extraction (SVE) system that started in March 2013. The system has been successful in reducing contaminant levels for PCE in the shallow zone beneath the facility.
- The site-wide OU2 RI will be completed after the September 2016 groundwater sampling round and vapor intrusion sampling.

OU2 VI INVESTIGATION AREAS



- Primary Soil Gas Sample Location
- Secondary Soil Gas Sample Location
- ▲ Proposed Indoor Air Sample
- ⊕ Proposed Monitoring Well Location
- EW-03 Monitoring Well Location and ID
- EW-101 Soil Gas Monitoring Well Location and ID

- 2 Area of Interest and Number
- Residential
- School
- Hospital

- Extent of Salt River Gravel Hydrostratigraphic Unit
- - - 5 µg/L TCE Groundwater Contour
- · - 100 µg/L TCE Groundwater Contour
- · - 5 µg/L PCE Groundwater Contour
- Operable Unit Boundary

TCE = trichloroethylene
PCE = tetrachloroethylene



0 1,000 2,000 Feet



Motorola 52nd Street
Superfund Site
Phoenix, Arizona

Figure 2

OU2 Vapor Intrusions Areas
With Sample Points

Vapor Intrusion

- Freescale and Honeywell are conducting the following:
 - Finalizing the soil gas and indoor air workplans
 - Obtaining access to sampling locations, city permits, etc.
 - Coordinating with Agencies on community notifications
 - Installing a groundwater well that meets OU2 data needs although installed for another project
 - Conducting soil gas field work by end of 2016 or early 2017
 - Reporting soil gas results to EPA, as received, to assess if additional work needed or not
 - Vapor intrusion results will be incorporated into OU2-wide Remedial Investigation Report



- The draft Remedial Investigation, Risk Assessment, and Feasibility Study reports for OU3 were submitted by the OU3 Working Group in late April 2015.
- OU3 Status Fact Sheet issued in June 2016 says the remedy is for OU3 only and will not address the adjacent West Van Buren site. The remedy will:
 - Contain the groundwater plume at a location west of 7th Avenue, and
 - Restore the groundwater within OU3.
- The FS remedial alternative options are being developed for Agency review before the FS Report is submitted.
- The Feasibility Study is due by early Fall 2017. EPA issues the Preferred Alternative in a Proposed Plan Fact Sheet.
- A Public Meeting will be held for the preferred remedy in late 2017 or early 2018.
- EPA continues to work with other facilities on site-specific evaluations.

Vapor Intrusion: The OU3 soil vapor data indicates there is no vapor intrusion threat at OU3.



- The FYR was complete in September 2016 and will be available at the site repositories and ADEQ and EPA websites. The report was emailed out to the CIG email list on October 12, 2016.
- It evaluates the technical aspects of the OU1 and OU2 treatment plants to ensure they remain protective of human health and the environment.
- FYR address OU1 and OU2 only because they have remedies in place.
- Remedies are reducing the groundwater concentrations and the groundwater plume.
- OU1 is Protective in the short term.
- OU2 Protectiveness is Deferred until VI work is completed.
- OU3 Does not have a remedy in place yet, so it is not evaluated in a FYR.



Next CIG Webinar

- Proposed webinar date is October 18, 2017.
- If CIG members would like a conference call update in April 2017, please send an email to EPA with proposed dates.