

Motorola 52nd Street (M52) Superfund Site Brief Overview

- The M52 Site involves an area of contaminated groundwater approximately 7 miles east to west and 3 miles north to south. It has been divided into 3 operable units (OUs). Please see maps for locations of each OU. US EPA and ADEQ (“the Agencies”) work together on overseeing the cleanup of the site.
- The groundwater in this area, which is 40-90 feet below ground surface, is not being used for drinking water. The City of Phoenix supplies drinking water from sources outside of the site. The water that is used for drinking is regularly tested to ensure compliance with regulatory standards.
- Freescale (a corporate successor to Motorola) and Honeywell have been identified as Responsible Parties (RPs) for the site and are funding the major portions of the cleanup for OU1 and OU2. A number of smaller companies have been named potential RPs at the site. The Agencies are currently working with these companies to conduct investigations of their properties. The Agencies continue to research additional parties that may have contributed to contamination at the site.
- The main contaminants of concern are the volatile organic compounds (VOCs) trichloroethene (TCE), tetrachloroethene (PCE), trichloroethane (1,1,1 TCA), and vinyl chloride.
- Each OU is in a different stage of the cleanup process. OU1 and OU2 are undergoing groundwater treatment as an interim action. The treatment plants have contained the groundwater contamination and, in OU2 and OU3, reduced the concentration of chemicals as well. OU3 is undergoing remedial investigation (data collection), after which a cleanup action will be proposed. The final remedy of the overall site must address the sources of contamination.
- A primary challenge at the site is in OU1, where the source of contamination consists of chemicals embedded in the bedrock that are continually released into the groundwater. Freescale is currently investigating whether there is a technology capable of effectively removing these chemicals from the bedrock. This is the only part of the site where concentrations of chemicals in groundwater have not decreased as a result of groundwater treatment. However the goal is to contain the source in OU1 so that it no longer flows into groundwater to the west (or downgradient) of OU1.
- Recent or upcoming activities and issues:
 - EPA to begin evaluation of vapor intrusion (VI) to indoor air pathway for the residential neighborhood in OU1. EPA will also have the lead for evaluation of the VI pathway for industrial buildings in OU1.
 - Bedrock extraction pilot study underway in OU1
 - ON Semiconductor plant closing and alternative water discharge plans

- OU2 Consent Decree comments currently under review
 - Several soil investigations are underway in OU2 with several RPs
 - OU3 Administrative Order of Consent between EPA, Honeywell, and Arizona Public Service Company has been signed; new monitoring wells to be installed in summer 2010.
- More information on the M52 Site is available on the ADEQ and EPA websites, and at the repositories noted below where you can find documents for review:

ADEQ
 Records Management Center
 1110 West Washington Street
 Phoenix, AZ 85007
 (602) 771-4380

City of Phoenix Public Library
 Saguaro Branch
 2808 North 46th Street
 Phoenix, AZ 85008
 (602) 262-6801

U.S. EPA
 Superfund Records Center
 95 Hawthorne Street, Ste. 403 S
 San Francisco, CA 94105-3901
 (415) 536-2000

City of Phoenix Public Library
 Burton Barr Branch
 1221 North Central Avenue
 Phoenix, AZ 85004
 (602) 262-4636

To request documents regarding this site, please contact the Records Center for either EPA or ADEQ. Electronic versions may also be available at the site repositories.

- Staff at ADEQ and EPA area always willing to answer any questions you may have. Feel free to call the staff listed below:

ADEQ Contact

Felicia Calderón, ADEQ Lead
 Community Involvement
 (602) 771-4167
 e-mail at:
calderon.felicia@azdeq.gov

EPA Contact

Leana Rosetti, EPA Supporting
 Community Involvement
 (415) 972-3070
 e-mail at: *rosetti.leana@epa.gov*

- If you would like to be on the M52 mailing list, please be sure your name and address are included on the sign-up sheet for this meeting.