

Public Notice: Five-Year Review

The U.S. Environmental Protection Agency (EPA) and Arizona Department of Environmental Quality (ADEQ) are beginning the Five-Year Review for the existing Records of Decision (RODs) and associated ongoing environmental clean-up actions at the Motorola 52nd Street Superfund site. As part of the five-year review process, interviews will be held with public officials, facility representatives, and members of the community. These interviews are used to make technical assessments of the site conditions. The Five-Year Review Report will be completed in September 2016.

What is a Five Year Review?

The five-year review is conducted to determine if the clean-up goals (known as Remedial Action Objectives or RAOs) are adequately protecting human health and the environment. If issues that impact the protectiveness of the remedy are found during the five-year review, recommendations to address them are made. The Site is a groundwater plume divided into three areas called Operable Units (OUs). The RAOs for OU1 of the site were described in the 1988 ROD and the RAOs for OU2 were described in the 1994 ROD and the 1999 Explanation of Significant Differences.

The five-year review is a technical assessment with a focus on answering three key questions:

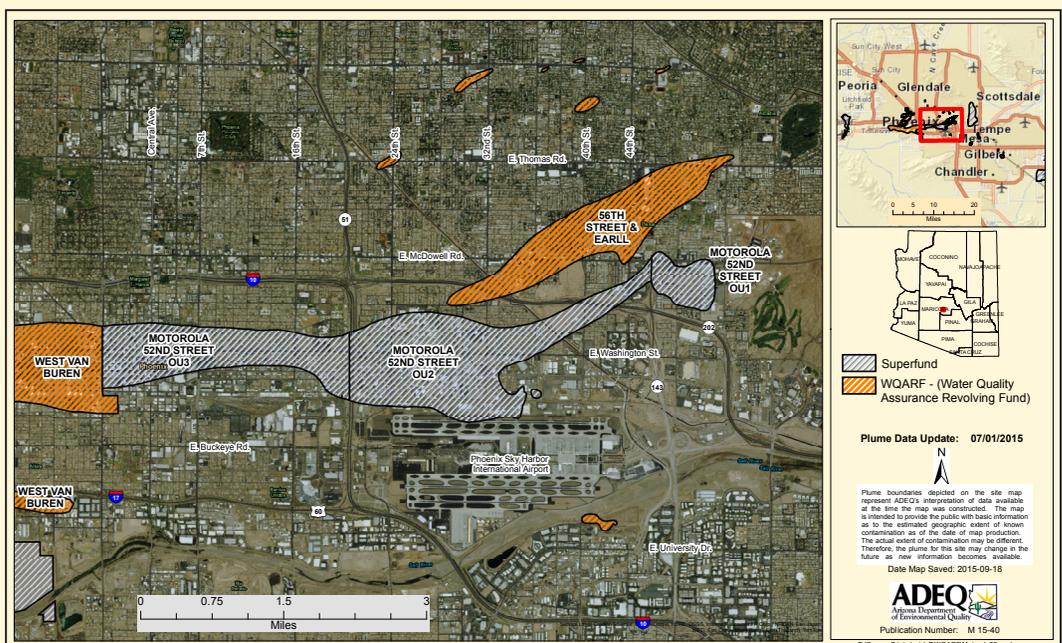
- Question A: Is the remedy functioning as intended by the decision documents?
- Question B: Are the assumptions used at the time of remedy selection still valid?
- Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

The Motorola 52nd Street Superfund site has two ongoing groundwater extraction and treatment systems resulting from formal Records of Decision. These are the primary clean-up actions to be evaluated in the Five-Year Review, although additional or voluntary clean-up actions also under way at the site will be referenced and considered.

Site Background

The Motorola 52nd Street Superfund Site is located in the City of Phoenix, Maricopa County, Arizona. Groundwater is not used for drinking water purposes in the site area. In the past, chemicals were spilled/leaked at the former Motorola semiconductor manufacturing plant (Motorola) at 52nd Street and McDowell Road, the Honeywell jet fuel facility (Honeywell) at 34th Street and Air Lane, and potentially at other facilities in the area. OU1 is the easternmost area and includes the former Motorola 52nd Street Semiconductor facility. OU2 is the central portion of the groundwater plume and includes the Honeywell 34th Street Plant and other facilities. OU3 is the western portion of the groundwater plume and includes Arizona Public Service and Adobe Air/Arvin Meritor as well as other facilities. The entire site study area boundaries are generally 52nd Street to the east, Palm Lane to the north, 7th Street to the west and Buckeye Road to the south. Motorola Semiconductor Products Sector (Motorola) owned and operated the 52nd Street facility from 1956 to 1999. As part of its electronics manufacturing operation, Motorola used solvents, including volatile organic compounds such as trichloroethene (TCE), tetrachloroethene (PCE), and 1,1,1-trichloroethane

(TCA) to clean and degrease parts and equipment. Investigations in the 1980s revealed groundwater contamination at the 52nd Street facility and to the west. In 1989 the site was added to the Superfund National Priorities List, or NPL. Freescale (a company formerly a part of Motorola) has operated a groundwater extraction and treatment system since 1992 in OU1. In OU2, Freescale and Honeywell have operated a groundwater extraction and treatment system since 2001. These treatment systems have effectively reduced the overall groundwater plume and contain and treat the contaminated groundwater in OU1 and OU2. Individual facility cleanups are also ongoing in OU3. Groundwater treatment is expected to continue for many years.



For More Information

When completed, the Five-Year Review Report will be available on the EPA and ADEQ websites and at the following site repositories:

Web Pages

Information about the Site is available at the following Web pages:



ADEQ: <http://azdeq.gov/environ/waste/sps/phxsites.html#mot52a>

EPA: <http://www.epa.gov/>

Information Repositories

The information repositories listed below holds the Five-Year Review Report for the Motorola 52nd Street Superfund Site as well as other documents related to the investigation and cleanup of this Superfund Site:

Burton Barr Public Library

1221 North Central Avenue
Phoenix, AZ 85004
(602) 262-4636

Saguaro Library

2808 North 46th Street
Phoenix, AZ 85008
(602) 262-6801

ADEQ Records Center

1110 West Washington Street
Phoenix, AZ 85007
(602) 771-2300
(800) 234-5677

EPA Superfund Records Center

75 Hawthorne Street (3rd floor)
San Francisco, CA 94105
(415) 820-4700

United States Environmental Protection Agency, Region 9
75 Hawthorne Street (SFD-6-3)
San Francisco, CA 94105
Attn: Carlin Hafiz (M52 2/16)

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EPA Motorola 52nd St. Superfund Site



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How To Contact Us

If you have questions or concerns about the Motorola 52nd Street Superfund Site, please contact any of the staff listed below:

EPA Contacts for Site:

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ADEQ Contacts for Site:

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