



# EPA

# Motorola (52nd Street Plant) Superfund Site Update

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY • REGION 9 • SAN FRANCISCO, CALIFORNIA • FEBRUARY 2000

## CONSTRUCTION PLANS FOR MOTOROLA 52<sup>nd</sup> STREET SUPERFUND SITE CLEANUP

Construction of a groundwater treatment system with associated groundwater wells and pipelines will be taking place in Phoenix from March 2000 through July 2001. See the map below for the location of the construction activities, and the table on the other side for the construction schedule. The system is being constructed to clean up groundwater in an area of the Motorola 52<sup>nd</sup> Street Superfund site known as Operable Unit 2 (OU2) that has been contaminated with hazardous chemicals such as trichloroethylene (TCE). The groundwater treatment system has been designed to do the following:

- pump out the contaminated groundwater at a total rate of 5,300 gallons per minute from three extraction wells;
- pipe the groundwater to a treatment plant;
- treat the water to meet drinking water standards; and
- discharge the treated water to the Salt River Project Grand Canal for irrigation uses.

Construction of the entire treatment system should be complete by August 2001. System inspections, testing and startup are planned to be finished by December 2001. Long-term operation of the system will begin after system startup and testing is complete. The treated water that will be discharged to the Grand Canal will be used by Salt River Project for agricultural irrigation and will not be used for drinking water.

### OU2 Area Contamination

Trichloroethylene, a hazardous chemical, also known as TCE, and other similar chemicals, are present in the OU 2 groundwater. This contamination does not pose a current risk to local community members since drinking water is currently supplied by the City of Phoenix distribution system from surface water sources outside the OU2 area.

While the groundwater is not used currently for drinking water, it is a

potential future drinking water source. To protect this groundwater resource, Motorola Inc. and Honeywell (formerly AlliedSignal) will construct and operate this treatment system to remove the contamination and to prevent it from moving further west. The EPA is responsible for overseeing construction and operation of the OU2 treatment plant, and both the Arizona Department of Environmental Quality (ADEQ) and EPA are responsible for planning and overseeing the overall cleanup activities at the Motorola 52<sup>nd</sup> Street Superfund Site.

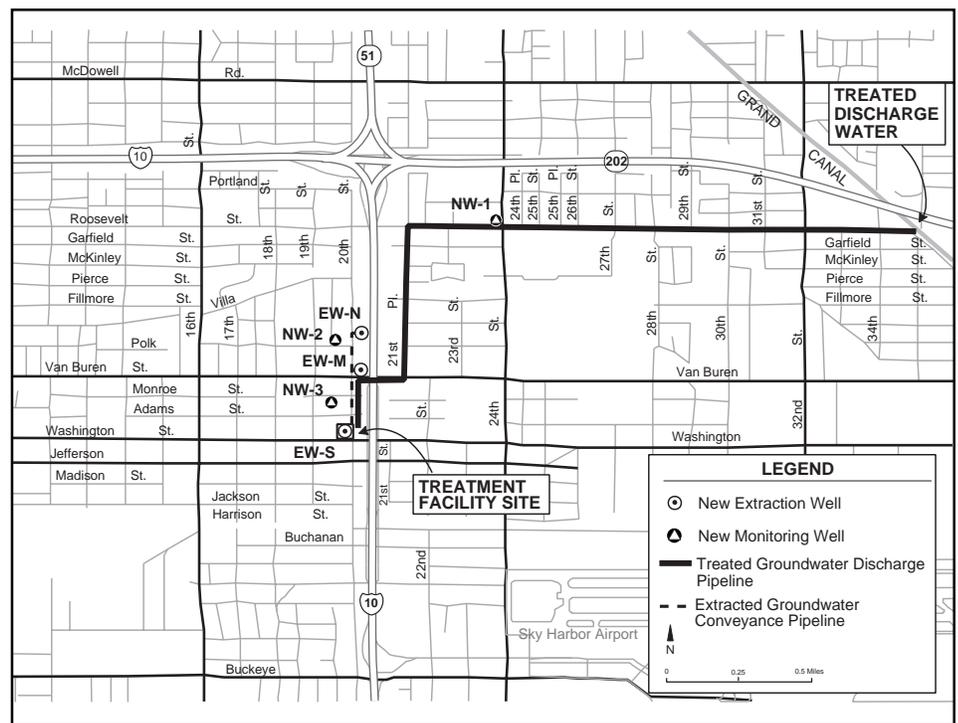


Figure 1: Motorola 52nd Street Superfund Site, showing OU2 Area

A Spanish version of this fact sheet is available. • Un versión en español de este folleto está disponible.

# Construction Schedule

Construction of the OU2 treatment system is expected to begin in March 2000 and be completed in July 2001. The following table outlines the various steps in the construction process, the role each component of the treatment system will serve, and the projected start and completion dates for the system's components.

<b>Construction Schedule</b>	
<b>System Component and Purpose</b>	<b>Period of Construction</b>
<b>Extraction Wells and Temporary Pipeline</b> – install wells to pump contaminated groundwater to create the zone of capture. After installation, short-term tests of the well capacity will be conducted and this test water will be conveyed by temporary pipeline to the city sanitary sewer (along 20 <sup>th</sup> Street)	<b>March 2000 – August 2000</b>
<b>Monitoring wells</b> – install wells to monitor water levels to verify the zone of capture and monitor the reduction of contaminant concentration over time (24 <sup>th</sup> Street & Roosevelt and near 20 <sup>th</sup> Street and Van Buren)	<b>April 2000 – May 2000</b>
<b>Pipelines</b> – install pipelines to convey extracted water to treatment plant and to convey treated water to discharge point (20 <sup>th</sup> Street, Van Buren, 21 <sup>st</sup> Pl., Roosevelt St. to Grand Canal at 36 <sup>th</sup> St.)	<b>May 2000 – March 2001</b>
<b>Treatment Plant</b> – build a facility to remove TCE and other contaminants from groundwater prior to use (20 <sup>th</sup> St & Washington)	<b>June 2000 – July 2001</b>

## Community Notification and Involvement

During construction of the treatment system, traffic detours and other construction impacts may inconvenience local community members. EPA is requiring dust control measures and limiting nighttime work to minimize noise and dust impacts. Additionally EPA, ADEQ, Motorola Inc., and Honeywell are coordinating efforts to notify community members as traffic detours and other construction activities are scheduled in their neighborhoods.

EPA encourages the public to participate in community involvement activities throughout the Superfund cleanup process for OU2. If you would like to be on the mailing list for future site updates or if you have any questions about this effort or EPA's involvement at the Motorola 52<sup>nd</sup> Street Superfund site, please contact:

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...or You may call the EPA Toll-free Message Line  
(1-800-231-3075) and we will return your call.

**Technical documents related to the site can be found at the Information Repositories in the locations listed below.**

**Arizona Department of Environmental Quality**  
3033 N. Central Avenue  
Phoenix, AZ  
(602) 207-4420

**USEPA Superfund Records Center**  
95 Hawthorne Street  
San Francisco, CA  
(415) 536-2000

**City of Phoenix Public Libraries:  
Saguaro Branch**  
2808 N. 46<sup>th</sup> Street  
Phoenix, AZ  
(602) 262-6801

**Central Branch**  
1221 N. Central Avenue  
Phoenix, AZ  
(602) 262-4636

**Learn more about EPA Superfund Sites on the Internet at: [www.epa.gov/superfund](http://www.epa.gov/superfund)**

Certain EPA documents can be accessed electronically at this Web Site.