



Motorola 52nd Street Superfund Site Operable Unit Three Study Area



September 2010

Dear Resident/Business Owner,

Beginning October 4, 2010 and ending approximately November 19, 2010, a series of groundwater monitoring wells will be installed within the area bounded by 20th Street to the east, 7th Avenue to the west, Buckeye Road to the south and McDonald Road to the north as part of the on-going investigation and clean-up groundwater contamination associated with the Motorola 52nd Street Superfund site. Some of these wells will be installed in your neighborhood. Well installation will be done by Honeywell and Arizona Public Service (APS) under the oversight of the U.S. Environmental Protection Agency (EPA) with support from the Arizona Department of Environmental Quality (ADEQ). A drilling schedule for each well will be sent to affected residents/businesses 2 weeks prior to drilling.

The Phoenix Central Valley experienced rapid growth and industrial manufacturing from the 1930s to the 1980s. The historic industrial and waste management practices resulted in groundwater contamination. The main contaminants of concern are the volatile organic compounds trichloroethene (TCE), tetrachloroethene (PCE) and trichloroethane (1,1,1 TCA) which were used for cleaning machine parts. This area of groundwater contamination was declared the Motorola 52nd St. Superfund site in 1989.

The Motorola 52nd Street Superfund site is divided into 3 areas, or Operable Units (OU). Groundwater extraction and treatment systems are located in OUs 1 and 2. The OU1 treatment system addresses groundwater contamination at the Old Cross Cut Canal and the OU2 system addresses groundwater contamination at 20th Street. Data gathered from the new and the existing wells in OU3 will provide additional information regarding the western-most portion of the plume, or contaminated area.

Contaminated groundwater is not being used for drinking water. Your water comes from the City of Phoenix and is safe to drink. The water supply is monitored and complies with the State of Arizona and federal drinking water standards. (Information for drinking water standards can be obtained from the City of Phoenix.)



Drill Rigs and Crew



Completed Groundwater Monitoring Well Vault

During the weeks of October 4th through November 19th, you will see drilling/soil sampling equipment and completed groundwater wells similar to the photographs above.

A flyer, which includes a map of the OU3 area and drilling schedule, is attached.

During work hours beginning on October 4th through November 19th 2010, there will be no parking along those locations where work will be conducted. Traffic control and barriers will be placed around each location in accordance with pre-approved traffic control permits issued by the City of Phoenix.

- Anticipated work hours – Monday through Friday – 7:00 a.m. to 6:00 p.m.
- A 40-foot long drill rig with a 40-foot tall mast will take up an area approximately 20 feet by 160 feet.
- There will be noise from the drilling.
 - The loudest noise will be similar to a heavy truck or motorcycle from 20 feet away.
 - Every measure will be taken to reduce noise including using sound control blankets/barriers as much as possible.
- Dust will be controlled by spraying water.
- Traffic control personnel will be onsite if needed.
- Soil and water waste generated during the work will be appropriately stored in covered bins and tanks at the drilling location or a centralized staging area.
- All waste will be disposed off-site after sample results are received.

We apologize in advance for the noise and inconvenience this work may cause. We appreciate your patience. Please feel free to contact the following people if you have any questions or concerns.

EPA Contacts:

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EPA's Motorola 52nd Street website address:
www.epa.gov/region09/Motorola52ndSt

ADEQ Contacts:

ADEQ Project Manager
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ADEQ's website address for Motorola Site Narrative
<http://www.azdeq.gov/environ/waste/sps/phxsites.html#mot52a>