

SITE REGISTRY REPORT
Shannon Road-Rillito Creek Site
Pima County, Tucson, Arizona
March 3, 1999

The Shannon Road-Rillito Creek Site (the Site) is located within the Tucson Basin, which is part of the upper Santa Cruz River Valley. The Site lies between, but is not bounded by Peglar Wash Park to the west, Meadowbrook Park to the east, and an area approximately one-quarter mile to the north and south of the Rillito Creek. See attached Site Boundary Map.

In 1993 the City of Tucson Z-6A Water supply well was taken out of use when concentrations of volatile organic compounds (VOCs) were identified in the well. Tucson Water's policy is to take drinking water wells out of use if contaminant concentrations reach one-half of the EPA Maximum Contaminant Level (MCL). Tucson Water continues to monitor the well on a regular basis as part of the Sweetwater Recharge Aquifer Protection Permit.

Through routine water quality testing in March 1994, traces of TCE and PCE were identified in one of the Metropolitan Domestic Water Improvement District's (Metro Water) water supply wells, the South Shannon Well. An engineering study was completed to determine the most efficient and effective alternative for ensuring water quality. In June 1997, Metro Water completed the installation of a wellhead treatment system on the South Shannon Well. Metro Water held a public open house and workshop on July 10, 1997. Details were provided on the contamination identified in the South Shannon Well and on steps Metro Water had taken to address the problem. Though PCE exceeds AWQS in the groundwater, no VOCs have been detected in the water after the treatment process. Samples are collected monthly to insure proper operation of the treatment system.

In September 1994, VOCs were detected in the Acacia Gardens Mobile Home Park water supply well. The VOCs included trichloroethylene (TCE), tetrachloroethylene (PCE) and cis-1,2-dichloroethene (c-1,2-DCE). Pima County connected the Acacia Gardens Mobile Home Park to the Tucson Water distribution system in 1995. Tucson Water supplied water to Acacia Gardens until the owners installed a wellhead treatment system in July 1997. Analytical results from this well for June 1998 indicate PCE concentrations exceeding the Aquifer Water Quality Standards (AWQS) prior to treatment, and no detections following the treatment process.

The known pathway of concern is groundwater. Analytical data from August 1998, indicates PCE exceeding the AWQS in at least three wells in the area. TCE and cis-1,2 dichloroethene (DCE) have also been identified at concentrations below AWQS.

ADEQ is scheduled to begin a Remedial Investigation (RI) of the Site during 1999. The

RI will focus on defining the lateral and vertical extent of the plume, and source identification.

The Site was evaluated using the Eligibility and Evaluation (E&E) form developed by the Department in 1996, resulting in a score of 53. See the attached E&E form.

This draft Site Registry Report (SRR) is based upon information available as of the date prepared. The SRR is intended as a historical document meeting the public notification requirements of ARS § 49-287.01 (B) and (D). Site boundaries depicted on the attached Site Boundary Maps represent ADEQ's interpretation of data available at the time the maps were constructed. The maps are intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of the SRR. The actual extent of contamination may be different. Therefore, the geographic boundaries for this site may change in the future as new information becomes available.

Public comments to this draft SRR will be considered prior to finalization. An updated SRR **will not** be issued once finalized. As new information becomes available in the future, it will be made available for public review through placement in the public file.

Interested persons are encouraged to review current information, and more detailed historical information, located in the public site file at either the ADEQ Tucson Office or the ADEQ Phoenix Office (Site File W-10000) and identified by the attached site file index.