

**SITE REGISTRY REPORT**  
**Camelback and 16th Street**  
**Maricopa County, Phoenix, Arizona**

In 1993, ADEQ was approached by Bank One to consider reaching a settlement agreement regarding a property located at 16th Street and Camelback Road in Phoenix. The property was vacant. Bank One hired several environmental consultants to conduct investigations at the site. These investigations disclosed total petroleum hydrocarbons (TPH) contaminated soil and ground water contaminated with tetrachloroethylene (PCE) and dichloroethane (1,2, DCA) and benzene. The site is located in Section 22, Township 2 North, Range 3 East, Gila and Salt River Base and Meridian, Maricopa County. The subject site is 343,383 square feet in area.

Initial reports indicate that the commercial plant nursery which occupied the site at one time used fertilizers, pesticides, and herbicides. The plant nursery also had an underground storage tank (UST) and a vehicle service pit. A soil vapor survey was performed at the site based on information gathered in the initial report. Soil vapor access holes were drilled in a grid pattern over the site to a depth of 5 x 10 feet below ground surface. Samples were analyzed on site for VOCs, benzene, toluene, ethyl benzene and xylene. All of these constituents were detected in several samples, but at relatively low concentrations.

A Consent Decree was lodged in court on January 11, 1994 between ADEQ and Bank One. Additional investigation was initiated to determine the lateral and vertical extent of the TPH compounds identified during the previous investigation, and to localize and characterize potential on-site source(s) suspected of contributing to the PCE contamination discovered in the ground water. Three monitor wells (MW-4, MW-5 and MW-6) were installed upgradient along the eastern edge of the property. Monitor well (MW-4) 4 was placed west of an off-site dry well, the well MW-5 was placed near the eastern edge of the property upgradient of MW-1 and well MW-6 was placed near the southeastern corner of the property.

Petroleum contaminated soils identified earlier were excavated, and thermally remediated on-site by ADEQ. At the close of the project, 405 tons of petroleum contaminated soils had been treated.

In 1995, ADEQ conducted a second soil vapor survey at this site. A total of 15 samples were collected at depths of up to 10 feet below ground surface depending upon location specific conditions. The purpose of the survey was to identify the on site sources of contaminants found in the ground water beneath the site. Soil vapor survey results indicated detections of PCE at concentrations ranging from 1.3 to 2.3 ug/L (micrograms per liter) in four of the 15 samples collected. Results from this survey failed to identify the source of the location of soil contamination which might be contributing to the ground water contamination.

In February of 1996 ADEQ initiated additional ground water characterization activities to identify ground water source areas at the site which had been identified during previous investigations. This was accomplished through the installation and sampling of temporary ground water well points, and through the installation and sampling permanent up and down gradient ground water monitoring wells. The ADEQ installed four ground water monitoring wells and four temporary ground water well points. Permanent

monitoring wells MW-7 and MW-10 and HP-1 through HP-4 were installed during this phase. Information gathered from this investigation did not identify sources and did not establish the extent of contamination. The flow direction is westerly and the ground water depth is 60-65 feet below ground surface.

This Site Registry Report (SRR) is based upon information available as of the date shown. The SRR is intended as a historical document meeting the public notification requirement of ARS 49-287.01 (B) and (D). Site boundaries depicted on the 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 SRR. The actual event of contamination may be different. Therefore, the geographic boundaries for this site may change in the future as new information becomes available.

An updated SRR and associated Site Boundary Map will not be issued. As new information becomes available it will be made available for public review through placement in the public file.

This site is being placed on the site registry because quarterly sampling of the monitoring wells in the site area, and the implementation of a Record of Decision (ROD) The E+E score is 23.