

SITE REGISTRY REPORT

CENTRAL AND CAMELBACK WATER QUALITY ASSURANCE REVOLVING FUND (WQARF) SITE SOUTHWEST CORNER SOURCE AREA PORTION Phoenix, Maricopa County, Arizona August 13, 1998

The Southwest Corner Source (SCS) Area Portion of the Central and Camelback WQARF site is located in the vicinity of Central Avenue and Camelback Road, Phoenix, Arizona. The SCS is approximately bounded to the east by Central Avenue, to the north by Camelback Road, to the south by Mariposa Street, and to the west by a residential area. The SCS is a portion of a larger tetrachloroethylene (PCE) plume (the Central and Camelback site).

The pathway of concern is groundwater. The property located at 4902 N. Central Avenue, was occupied by various dry cleaners from 1951 until present. Tetrachloroethylene (PCE), a solvent commonly used by dry cleaners has been detected in groundwater monitoring wells immediately north (directly downgradient) of the property at 4902 N. Central and in other groundwater monitoring wells farther downgradient of the property at 4902 N. Central. The maximum PCE concentration to date in these monitoring wells was 20,000 micrograms per liter.

This high concentration of PCE is approximately 10 percent of saturation, which indicates that dense non-aqueous phase liquids (DNAPLs) may be present. In general, DNAPL may be present if the PCE concentration exceeds 1 percent of saturation (2,000 micrograms per liter). The Southwest Corner Source (SCS) Area Portion of the Central and Camelback site includes the approximate extent of the suspected DNAPL.

The Aquifer Water Quality Standard for PCE is 5.0 micrograms per liter. Although the PCE concentrations in the SCS exceed this standard, the public health impact is minimal because there are no drinking water wells within the SCS. The public health impact of the larger Central and Camelback site is under evaluation.

The second public health issue is that groundwater is seeping into the bottom level of the underground parking garage of the office building at the southeast corner of Central Avenue and Camelback Road. The groundwater is being pumped, but there is concern that PCE could be drawn into the parking garage and released to the air.

This portion of a site (the SCS) scored 31 using the adopted eligibility and evaluation (E&E) form. 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 The SRR is intended as a historical document meeting the public notification requirements of Arizona Revised Statutes (A.R.S.) § 49-287.01 (B) and (D). The SCS boundaries depicted on the attached Site Boundary Map represents the Arizona

Department of Environmental Quality's (ADEQ) interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known DNAPL 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.

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. Interested persons are encouraged to review current information, and more detailed historical information, located in the public site file at ADEQ Phoenix Office and identified by the attached site file index.

Note: This registry report addresses the **Southwest Corner Source (SCS) Area Portion** of the Central and Camelback site only. The Central and Camelback site itself has not yet been listed on the registry. ADEQ is presently conducting a Preliminary Investigation (PI) of the Central and Camelback site, and anticipates that it will be ready for owner/operator comment in March 1999, and for public comment in April 1999.