

West Van Buren Site Registry Report
Phoenix, Maricopa County, Arizona
January 28, 1998

The West Van Buren (WVB) site is a Water Quality Assurance Revolving Fund (WQARF) priority list site. ADEQ is investigating soil and groundwater contamination that occurs in the area. The Eligibility and Evaluation score for the WVB area is 50.

The WVB boundaries are shown on the attached figure. A groundwater contamination plume exists in the area and stretches approximately from 7th Avenue on the east to 83rd Avenue on the west, to Van Buren Street on the north to Buckeye Road on the south. The groundwater contamination plume primarily consists of tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethene, 1,1-dichloroethane, and 1,1,1-trichloroethane. Additionally, chromium is present in the southeast portion of the project area and benzene, toluene, xylene, and ethyl benzene have been detected at various locations, particularly in proximity to the Phoenix Terminal which is located between 51st and 55th Avenue along Van Buren Street.

Depth to groundwater within the study area ranges from 40 feet along the Salt River to greater than 80 feet in the northwestern portion of the study area. The regional groundwater flow direction is to the west-northwest. On a site specific basis, groundwater has been shown to flow to the north, northwest, west and southwest due to seasonal and areal variations in pumpage of large capacity irrigation wells.

Releases are documented to have occurred at the following facilities: 1) 720 West Buchanan (American Linen Supply Company), 2) 320 West Lincoln (Maricopa County Materials Warehouse), 3) 1122 West Hilton (Chemresearch), 4) 50 South 45th Avenue (Van Waters and Rogers), 5) 35th Avenue and Van Buren (Reynolds Metals historic aluminum extrusion facility), and 6) 740 South 59th Avenue (Dolphin Inc.). ADEQ believes these facilities are contributing to the area-wide groundwater contamination. Additionally, petroleum contaminated soil and groundwater exists at some petroleum facilities at the Phoenix Terminal. Soil vapor extraction activities are occurring at Van waters and Rogers, Maricopa County Materials warehouse, and some facilities at the Phoenix Terminal. Reynolds Metals has completed excavation and removal of soils at their facility.

Groundwater in the area is not used for drinking water purposes. The entire area is served by the City of Phoenix municipal water system.

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 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.

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.

Documents pertaining to the West Van Buren area can be reviewed at the Arizona Department of Environmental Quality's office at 3033 N. Central, Phoenix.