

REGISTRY REPORT

West Central Phoenix - North Canal Site

I. INTRODUCTION

This Site Registry Report for the West Central Phoenix North Canal Plume Site is prepared to meet the requirements established in Arizona Revised Statutes (A.R.S.) §49-287.01.

II. BACKGROUND

The West Central Phoenix (WCP) Water Quality Assurance Revolving Fund (WQARF) Project Area was placed in the WQARF Priority List in 1987. Data obtained after the site was placed on the WQARF list indicated three primary areas of VOC contamination: the “Main Plume Area,” the “WCP North Plume Site” and the “Southeast Area.” Subsequent investigations indicated that the “Main Plume Area” consisted of several separate plumes of contamination, including the WCP North Canal Plume Site.

To date, ADEQ has conducted investigations at the following facilities in the WCP North Canal Plume Site:

1. Facility located at 3632 W. Clarendon Avenue

ADEQ installed two monitor wells in 1992. Groundwater samples obtained from the two monitor wells located up-gradient and on-site indicated the presence of TCE. The up-gradient (southern) well near the facility entrance showed maximum TCE concentrations of 16.7 micrograms per liter ($\mu\text{g/L}$), while the down-gradient well (inside the property boundaries and west of the former drywell) showed maximum TCE concentrations of 87 $\mu\text{g/L}$. These concentrations are above the State and federal drinking water standards of 5 $\mu\text{g/L}$.

Additional information regarding this facility is found in the WCP files under the facility file name of Osborn Products.

2. Facility located at 3839 N. 39th Avenue

In 1992, ADEQ installed two shallow groundwater monitor wells up- and down-gradient of the facility. The wells were sampled in 1992 and again, in 1994. The highest VOC concentrations observed during the two sampling events in the down-gradient well (WCP-5) were 270 $\mu\text{g/L}$, 13 $\mu\text{g/L}$, and 130 $\mu\text{g/L}$ for TCE, PCE, and 1,1-DCE, respectively. The highest VOC concentrations detected in the up-gradient well (WCP-9) were 1.8 $\mu\text{g/L}$, 1.8 $\mu\text{g/L}$, and less than 0.5 $\mu\text{g/L}$ for TCE, PCE, and 1,1-DCE, respectively.

Additional information regarding this facility is found in the WCP files under the facility file name of Precise Metal Products.

III. PUBLIC HEALTH ISSUES

So far, testing in the WCP area indicates almost no chance of human contact with the contamination.

Sampling shows that the contaminated soils are under asphalt parking lots or asphalt-surfaced storage areas, or under the concrete floors of buildings. Contaminated drinking water wells in the area have been shut down.

Although there is very little chance people will have contact with the contaminants, the Arizona Department of Health Services (ADHS) will conduct Health Risk Assessments at sites where Remedial Investigations/Feasibility Studies (RI/FSs) are being conducted to evaluate potential health risks. The contaminants found in the groundwater in the WCP area and at the WCP North Canal Plume Site are classified as probable human carcinogens because some studies have shown they cause cancer in some animal species.

IV. E&E SCORE

Based on the most current information, the current E&E score for the WCP North Canal Plume Site is 22.

V. LIMITATIONS

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 A.R.S. § 49-287.01 (B) and (D). Site boundaries depicted on the attached Site Boundary Map represent ADEQ's 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 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.