



Region 7

Iowa
Kansas
Missouri
Nebraska

Fact Sheet

October 2004

First Five-Year Review Completed 57th and North Broadway Superfund Site, Wichita-Park City, Kansas

INTRODUCTION

The U.S. Environmental Protection Agency (EPA) conducts regular five-year reviews on certain Superfund sites. These reviews are required by the Superfund law [42 U.S.C. § 9621(c)]. EPA Region 7 completed its first five-year review of the 57th and North Broadway Superfund site in Wichita-Park City, Kansas. The five-year review was conducted to make sure the cleanup continues to protect human health and the environment.

SITE

The 57th and North Broadway Superfund site is primarily a ground water containment site that includes residential and commercial areas. The site is located in and near the northern portion of the city of Wichita, Kansas on a diagonal that runs from the extension of West 58th Street North and Broadway Avenue to the southwest to approximately West 46th Street North and Armstrong Drive.

A contaminated ground water plume extends beneath this residential, commercial, and industrial area. Before remedial actions began, nearly all water for household use within the site was obtained from private wells in the contaminated aquifer.

BACKGROUND

The 57th and North Broadway site was first identified in 1983 as a result of local residents' concerns about the quality of

drinking water in the Wichita Heights area, located on the northern edge of the city of Wichita, Kansas. In response to these concerns, State and Federal investigations identified volatile organic compounds (VOCs) above the accepted levels in the area groundwater. Contaminants were identified in the soils, ground water, and surface water on, beneath, and next to the site.

RESTORATION

The site was identified in two Operable Units (OU). Riverview OU2 is in the southwest portion of the site bounded on the north by West 50th Street North, on the east by Arkansas Avenue, on the south by West 46th Street North, and on the west by Armstrong Drive. The preferred remedial alternative was identified as connecting residents to a public water supply and the installation of in-situ vapor extraction wells.

OU1 addressed the remaining site contamination including both ground water and soil. The preferred alternative for this OU was the installation of in-situ vapor extraction wells and a soil vapor extraction (SVE) system for remediation of the contaminated soil at the former Wilko Paints property. It was determined an additional SVE system should be installed at the Midland Refinery property. Both the Wilko and Midland systems are now operating.

From August 1990 to May 1992, the EPA supplied residents and businesses with bottled water until the installation of an alternate water supply line could be completed. The alternative water supply

was made available to businesses and residences by connecting to the Park City Water District water line. EPA connected the Riverview OU2 residents to the public water supply in 1998.

All remedial action construction activities for the 57th and North Broadway site are currently completed and in active remediation. The final stage of construction was achieved in September 2002.

FIVE-YEAR REVIEW

The five-year review was conducted from October 2002 through September 2004 and included:

- a file review and site visit,
- document review of monitoring data taken since the initiation of construction activities,
- review of data taken in the quarterly monitoring of groundwater and the SVE systems, and
- meeting with the Community Advisory Group on the progress of the remedial systems.

Contamination levels in the ground water and the vented soil vapor are dropping. This indicates all systems are functioning as designed. Early problems with the SVE extraction wells have been remedied but excessive summer temperatures can cause the SVE systems to shut down. This has been addressed and resolved to the extent practical.

The plume is not spreading and endangering anyone using ground water as a drinking water source. Those within the plume are connected to public water. The plume is considered to be adequately controlled to protect human health and the environment.

ADDITIONAL INFORMATION

During a five-year review, EPA studies information from the site and inspects the site to make sure it continues to be protective. We encourage the community to tell us about site conditions or concerns you may have.

The five-year review report and detailed site information can be found at the following locations:

Park City Community Public Library
1530 East 61st Street North
Park City, Kansas

EPA Record Center
901 N. 5th Street
Kansas City, Kansas

If you have questions or need additional information on the five-year review process, please contact:

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