

Record of Decision Declaration

**57th & N. Broadway Site, Operable Unit 1, Wichita-Park City, Kansas,
September 1999**

Site Name and Location

57th & N. Broadway site, Operable Unit 1 (OU1), Wichita-Park City, Kansas

Statement of Basis and Purpose

This decision document presents the selected remedy for the 57th & N. Broadway site OU 1, in Park City - Wichita, Kansas, chosen in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). This decision is based on the Administrative Record for this site. The state of Kansas concurs on the selected remedy.

Assessment of the Site

Actual or threatened releases of hazardous substances at and from this site, if not addressed by implementation of the response action selected in this Record of Decision (ROD), may present an imminent and substantial endangerment to public health, welfare, or the environment.

Description of the Selected Remedy

This decision document is for the second and final action for the site. A ground water plume split into two parts has been discovered at the site, the northern plume and the southern, Riverview, plume. This action will address contaminated ground water and soils. An in-well treatment system will be designed for the northern plume to contain and treat the plume to the point that contaminant levels fall below Maximum Contaminant Levels (MCLs). Additional in-well strippers may be added to the Riverview plume to complete the treatment of the southern plume to MCLs. In addition, in-situ vapor extraction will be utilized to treat contaminated soils at the former Wilko Paint facility. Additional soil sampling will take place on the Midland Refinery and Wilko properties to determine if in-situ vapor extraction will be necessary to treat soils which could constitute a source for ground water contamination at these locations. This remedy also includes ground water monitoring to determine the effectiveness of the treatment system and institutional controls to prevent exposure to contaminated ground water.

The major components of the selected remedy will include the following actions.

- Design and install a system of in-situ vapor extraction wells to prevent the migration of contaminated ground water for the northern plume, while treating the plume to reduce contaminants to levels below the MCLs. If necessary, additional in-situ vapor extraction wells will be added to the system in the Riverview plume to prevent migration of ground water contamination and to treat ground water contamination to MCLs.

- An in-situ vapor extraction system will be installed to treat the contaminated soils at the former Wilko Paint facility.
- Soil sampling will take place to ensure that no source areas of soil contamination remain on the Midland Refinery or Wilko Paint properties. If source areas are discovered, they will be treated with in-situ vapor extraction.
- Ground water monitoring will be conducted to determine the effectiveness of the treatment system.
- Institutional controls will be implemented to prevent exposure to contaminated ground water.

Statutory Determinations

The selected remedy is protective of human health and the environment, complies with federal and state requirements that are applicable or relevant and appropriate to the remedial action, and is cost-effective. This remedy utilizes permanent solutions and alternative treatment technologies to the maximum extent practicable and satisfies the statutory preference for remedies that employ treatment that reduces toxicity, mobility, or volume as a principal element.

Because this remedy may result in hazardous substances, pollutants, or contaminants above health-based levels remaining on site for up to ten years, a five-year review will be conducted to ensure that the remedy continues to provide adequate protection of human health and the environment.

ROD Data Certification Checklist

The following information is included in the Decision Summary Section of this Record of Decision (ROD). Additional information can be found in the Administrative Record file for this site.

- Chemicals of concern and their respective concentrations.
- Baseline risk represented by the chemicals of concern.
- Clean-up levels established for chemicals of concern and the basis for these levels.
- How source materials constituting principal threats are addressed.
- Current and reasonably anticipated future land use assumptions and current and potential future beneficial uses of ground water used in the baseline risk assessment and ROD.
- Potential land and ground water use that will be available at the site as a result of the selected remedy.
- Estimated capital, annual operation and maintenance (O&M), and total present worth costs, discount rate, and the number of years over which the remedy cost estimates are projected.
- Key factor(s) that led to selecting the remedy.

Michael J. Sanderson, Director
Superfund Division