

## **DECLARATION FOR AN AMENDMENT TO THE RECORD OF DECISION**

### **Site Name and Location**

Holtz & Krause Landfill  
Wausau, Wisconsin  
T28 R08E S06

### **Statement of Basis and Purpose**

This decision document establishes an amendment to the Record of Decision dated July 22, 1992 ("ROD") for the Holtz & Krause Landfill site (the "Site") in Wausau, Wisconsin. This decision to amend the ROD was reached in accordance with the Comprehensive Environmental Response, Compensation & Liability Act ("CERCLA"), as amended by the Superfund Amendments & Reauthorization Act of 1986 ("SARA") and the National Oil & Hazardous Substances Pollution Contingency Plan ("NCP").

This ROD Amendment is based on the contents of the information and data provided to the Wisconsin Department of Natural Resources ("DNR") as summarized in the *Holtz and Krause Landfill Technical Support Document for Record of Decision Amendment*, dated February 9, 2011 ("Technical Support Document"). The data and information set forth in the Technical Support Document constitute the latest information on the Site and the associated condition of the groundwater at and/or near the Site. The Technical Support Document and the underlying information on which it is based are maintained as part of the Administrative Record for the Site.

The DNR, on the basis of information and analysis in the Technical Support Document, hereby approves a modification to the work necessary to remediate the site required by the ROD, in accordance with the provisions of Par. IX. B. of the Consent Decree for the Site filed in the Western District of Wisconsin federal district court on September 21, 1995 in the case captioned 95C 0675C.

### **Description of Amendment to the Remedy**

The ROD signed in July of 1992 selected the following remedy:

- (1) low-permeable cap consistent with Chapter NR 504, Wisconsin Administrative Code
- (2) active gas extraction with treatment to control Volatile Organic Compounds [VOCs] and methane

- (3) phased groundwater/leachate extraction dependent on groundwater compliance with NR 140, Wisconsin Administrative Code standards
- (4) wastewater discharge to local surface waters if groundwater extraction phase is triggered
- (5) on-site wastewater treatment required to the degree necessary to meet WPDES permit
- (6) installation of groundwater monitoring wells to complete long-term groundwater monitoring network
- (7) operation and maintenance of all systems
- (8) long-term groundwater monitoring
- (9) abandonment of existing monitoring wells which are not in compliance with NR 141, Wisconsin Administrative Code, or are not necessary for long-term monitoring
- (10) disposal of investigative wastes generated during the remedial investigation and remedial action phases of this project
- (11) institutional controls, deed restrictions, and site controls

By 1995, the landfill cap and gas extraction remedy components were completed, and long-term groundwater monitoring and operation and maintenance activities commenced. In a letter dated October 5, 1995, DNR approved final acceptance of the landfill cap and gas extraction construction. The remedy components related to the phased groundwater extraction (components 3, 4, and 5) were not implemented at that time. Following promulgation of the NR 700 series, specifically § NR 726.05(2)(b), Wisconsin Administrative Code, which sets forth the requirements where natural attenuation is demonstrated to be effective, the DNR determined that monitored natural attenuation is a technically feasible, cost-effective remedial alternative for groundwater at the Site.

DNR hereby determines to amend the ROD as follows:

- (1) Natural attenuation will replace phased groundwater extraction as the remedy for groundwater, and to the extent determined necessary by DNR, it shall be implemented by groundwater monitoring in accordance with an approved plan.
- (2) Institutional controls and site controls shall be expanded to include access rights to off-site properties where Site cap and/or remediation systems are located, and such access areas shall be included on the DNR's Geographic Information System ("GIS") Registry; and the Site shall be added to the GIS Registry.

The remaining components of the original ROD will continue, including:

- (1) Landfill gas emission monitoring shall be conducted as determined to be appropriate by DNR.
- (2) Groundwater monitoring shall, to the extent determined necessary by DNR, be conducted in accordance with an approved monitoring plan. The results of any monitoring conducted under an approved plan shall be summarized annually in an Annual Monitoring Report and submitted to DNR.

### STATUTORY DETERMINATION AND DECLARATION STATEMENT

Based on the information collected as contained in the Administrative Record on Site contamination, associated risks to human health and the environment and consideration of applicable groundwater standards, DNR hereby determines to amend the ROD as set forth above. This amendment to the ROD is based on the current remedy eliminating threats associated with direct contact and in mitigating, in conjunction with natural groundwater attenuation, the groundwater contamination. As the primary risks are addressed by the prior response action and natural attenuation is shown to be an effective mechanism for achieving groundwater standards, the ROD is amended to remove the requirement to undertake active groundwater/leachate extraction.

The selected remedy set forth in this amendment is protective of human health and the environment, complies with federal and state requirements that are legally applicable or relevant and appropriate to the remedial action and is cost effective.

Dated this 22nd day of June, 2011.



Mark Giesfeldt, Director  
Bureau for Remediation and Redevelopment  
Wisconsin Department of Natural Resources