



United States Department of the Interior

OFFICE OF THE SECRETARY
Office of Environmental Policy and Compliance
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Denver, Colorado 80225-0007



July 30, 2010

Memorandum

TO:

Regional Director, Fish and Wildlife Service, Twin Cities
Director, MO Water Science Center, U.S. Geological Survey, Rolla

From: Regional Environmental Officer

Subject: **Public Comment Period and Public Meeting Announced for the Riverfront Superfund Site, OUs 2 and 6, New Haven, Missouri**

As indicated in the attached Fact Sheet, EPA Region 7 and the Missouri Department of Natural Resources (MDNR) are releasing a Proposed Plan (Plan) which explains their preferred alternative for addressing soil and groundwater contamination at the Riverfront Superfund Site, Operable Units 2 and 6 (OUs 2 and 6) in New Haven, Missouri.

EPA and MDNR are asking for your comments on the Plan. **The comment period ends on September 3, 2010.** In addition there will be a public meeting on Tuesday, August 10, 2010, from 7:00 p.m. to 9:00 p.m. at the Trinity Lutheran Church in New Haven. EPA representatives will summarize investigations and discuss the rationale for EPA's preferred alternative.

If you have any questions or need additional information, please contact the EPA address listed in the Fact Sheet.

Please specify in any correspondence to EPA that comments are provided by your Bureau as technical assistance only and do not constitute a position the Department of the Interior may take regarding possible injury to natural resources. Copies of such correspondence should also be provided to this office.

Robert F. Stewart
Regional Environmental Officer

Attachment

cc: FWS/MO - D. MOSBY



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Fact Sheet

July 2010

EPA Announces Public Meeting and Comment Period, Riverfront Superfund Site, OUs 2 and 6, New Haven, Missouri

INTRODUCTION

EPA Region 7 and the Missouri Department of Natural Resources (MDNR) are releasing a Proposed Plan (Plan) which explains their preferred alternative for addressing soil and groundwater contamination at the Riverfront Superfund Site, Operable Units 2 and 6 (OUs 2 and 6) in New Haven, Missouri.

EPA and MDNR are asking for your comments on the Plan. Although a preferred alternative for addressing the contamination is presented in the Plan, a final decision will not be made until all public comments are reviewed. A 30-day public comment period will run from

August 4, 2010 through September 3, 2010. A public meeting is scheduled for Tuesday, August 10, 2010, from 7:00 p.m. to 9:00 p.m. at the Trinity Lutheran Church in New Haven. EPA representatives will summarize investigations and discuss the rationale for EPA's preferred alternative.

Community members may comment at the meeting or submit comments by mail or electronically through **September 3**. After all comments have been evaluated, EPA and MDNR will make a decision, which will be published in a Record of Decision.

PUBLIC MEETING/COMMENT PERIOD

Plan to attend an EPA meeting to offer your comments on the Proposed Plan for OUs 2 and 6. The meeting is scheduled:

Tuesday, August 10, 2010

7 p.m. to 9 p.m.

Trinity Lutheran Church

9521 Highway 100

New Haven, Missouri

All comments should be addressed to:

Dianna Whitaker

Community Involvement Coordinator
EPA Region 7
901 North 5th Street
Kansas City, Kansas 66101
913-551-7598, Toll-free 1-800-223-0425
E-mail: whitaker.dianna@epa.gov

Industrial Drive Sites (OUs 2 and 6)

In 1986, the hazardous substance tetrachloroethene (PCE) was detected in two public water-supply wells in the northern part of New Haven. Following the discovery of the PCE, two new public-supply wells were installed in the southern part of New Haven.

Based on information obtained through site investigations, EPA divided the Riverfront Site into six operable units. OUs 2 and 6 involve soil and groundwater contamination on approximately 20 acres known as the Industrial Drive and Industrial Drive South sites.

The Kellwood Company operated a tube mill at 202 Industrial Drive between 1973 and 1985 where PCE was used to remove oil from fabricated parts. Kellwood sold the facility in 1985. Investigations of hazardous substances in the area of the former Kellwood facility and landfarm area immediately north of the facility began in 1989.

In 1994, soil from the landfarm area exhibiting PCE concentrations exceeding 380,000 micrograms per kilogram (ug/kg) was excavated by Kellwood for off-site incineration. From 1994 to 1996, soil remaining on the landfarm area was tilled to maximize the volatilization of the residual PCE. However, dense non-aqueous phase liquid (DNAPL) containing high concentrations of PCE remains present in the landfarm area. A DNAPL is a liquid that is denser than water and does not dissolve in water. Since March 2008, approximately six liters of DNAPL have been removed through periodic recovery operations.

Operable Unit 2 consists of the former Kellwood manufacturing facility and the landfarm area directly to the north of the facility. Operable Unit 6 is the area south and southwest of OU2 where groundwater containing PCE is located.

The Remedial Investigation/Feasibility Study (RI/FS) for OUs 2 and 6 is complete. The Plan summarizes findings and recommendations from the RI/FS. The Plan also provides details about several other Remedial Alternatives which were considered for OUs 2 and 6.

THE PREFERRED ALTERNATIVE

EPA and MDNR recommend Alternative 2c as the Preferred Alternative for addressing soil and groundwater contamination at OUs 2 and 6.

Alternative 2c includes:

- DNAPL recovery followed by *in situ* oxidation treatment;
- Whole-house water treatment units;
- *In situ* groundwater remediation;
- Institutional controls; and
- Groundwater monitoring.

DNAPL recovery would continue in existing wells in the landfarm area and additional DNAPL recovery wells would be installed to the north and west of the former Kellwood facility. After DNAPL recovery efforts have been completed, the DNAPL wells may be used for *in situ* chemical oxidation treatment of the residual contamination. The oxidant would be injected into the wells to reduce the amount of chemicals of concern (COC) in the groundwater. The COC identified for OUs 2 and 6 include PCE and its degradation products, TCE, 1,2-dichloroethene and vinyl chloride. The treatment would be repeated periodically as needed in the landfarm area until monitoring wells confirm that COC levels have reached remedial action targets or monitoring indicates that further treatment would not have an appreciable effect in reducing COC concentrations.

Whole-house water treatment units would be used to remove COC contamination from residential water as it enters the house. This prevents potential exposure to COC in water used for drinking, cooking, cleaning, bathing and showering.

The *in situ* groundwater remediation component of Alternative 2c would require that treatability tests be performed to determine the most effective *in situ* groundwater treatment technology for a line of treatment wells that would be installed at the southern end of Industrial Drive. Technologies that would be evaluated include bioremediation, chemical oxidation, and chemical reduction. Following the selection of the most effective *in situ* groundwater treatment technology, Phase 2 of the Alternative will be implemented. Phase 2 would include a pilot test of the recommended technology, followed by design and implementation of full-scale treatment.

Institutional controls would include the well construction requirements that have already been applied to the area, including OUs 2 and 6, by the State of Missouri; public educational and informational activities to prevent human contact with contaminated soils and consumption of groundwater; and may also include the imposition of activity and use limitations through environmental covenants.

Scheduled groundwater monitoring will be conducted to monitor the changes in the concentrations of COC over time within OUs 2 and 6. This includes monitoring of residential wells.

EPA and MDNR believe that Alternative 2c would protect human health and the environment and provide a cost effective approach for addressing soil and ground water contamination at OUs 2 and 6.

ADDITIONAL INFORMATION

The Proposed Plan and other site-related documents are available for review

during regular business hours at the following locations:

New Haven Regional Library
109 Maupin
New Haven, Missouri

EPA Region 7
901 N. 5th Street
Kansas City, Kansas

Site documents, including the OUs 2 and 6 Proposed Plan, are also available at the Riverfront Site website located at <http://mo.water.usgs.gov/epa/nh/index.htm>

If you have questions, please contact:

Dianna Whitaker
Community Involvement Coordinator
EPA Region 7
901 North 5th Street
Kansas City, Kansas 66101
913-551-7598, Toll-free 1-800-223-0425
E-mail: whitaker.dianna@epa.gov

EPA Region 7 is committed to providing reasonable accommodations to individuals with disabilities. If you require a reasonable accommodation to participate in the public meeting, please notify the EPA Reasonable Accommodations Coordinator, Jonathan Cooper at 1-800-223-0425, or by e-mail at cooper.jonathan@epa.gov at least seven (7) days prior to the meeting. Speech or hearing impaired individuals should e-mail or call using the local relay service.

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