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Mr. Phil Schroeder
MDNR Water Pollution Control
Permits Section Chief
Missouri Department of Natural Resources
Post Office Box 176
Jefferson City, MO 65102

Dear Mr. Schroeder:

IN SITU CHEMICAL OXIDATION OF TCE IN GROUNDWATER

The Weldon Spring Site is approaching the implementation phase of groundwater remedial action. This action is described in the September 2000 Interim Record of Decision for the Groundwater Operable Unit at the Chemical Plant Area of the Weldon Spring Site. The Department of Energy has worked closely with the Environmental Protection Agency Region VII and the Missouri Department of Natural Resources, as well as other stakeholders, to select this remedy and develop a design to implement it.

Specifications (enclosed) describing the work scope have been written and are out for bid to a specialized technical community with experience in utilizing this technology. The remedial action will be conducted entirely on site, since CERCLA defines contiguous groundwater contamination to be on the site of the source of contamination. Bench scale tests and subsurface evaluations have already been conducted by some of these technical experts. Oxidizing chemicals, which will be specified in the successful bid, will be injected into the shallow aquifer to remediate trichloroethylene. Initial tests will be conducted in two locations to establish the radius of influence at areas of relatively high and low hydraulic conductivities. Monitoring will be conducted to determine the results of the treatment, as well as the fate of the injected chemicals.

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This letter is to specifically notify your organization of this activity. We have mentioned it briefly in recent Discharge Monitoring Reports, but want to be sure you have an opportunity to see the design specifications for this activity. The Division of Geology and Land Survey and the Federal Facility Section of the Hazardous Waste Program have been involved in the process of selecting and implementing this remedial action. We will address any specific issues your program identifies. We are scheduled to award the contract before the end of the year, and at that time we will send you additional information regarding the chemicals to be injected. If you have any questions regarding this matter, please contact Tom Pauling at (636)926-7051.

Sincerely,

ORIGINAL SIGNED BY
PAMELA THOMPSON

Pamela Thompson
Project Manager
Weldon Spring Site
Remedial Action Project

cc: Ron Kucera, MDNR
Peter Price, MDNR-DGLS
Evan Kifer, MDNR-DGLS
Tim Stallman, MDNR
Tom Siegel, MDNR
Larry Erickson, MDNR
Ben Moore, MDNR

EM-95:TPauling:x7051:emh 10/12/01 (m:ICO Notice to WPCP)

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WELDON SPRING SITE REMEDIATION PROJECT

In-Situ Chemical Oxidation Pilot Test Work Plan

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