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**CONDITIONAL APPROVAL OF REVISED PART 1,
ALTERNATE WATER SUPPLY WORK PLAN FOR
THE SOUTH GROUNDWATER CONTAMINATION
PLUME REMOVAL ACTION**

02/07/92

USEPA/DOE-FO

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LETTER

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

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FEB 07 1992

REPLY TO THE ATTENTION OF:

Mr. Jack R. Craig
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

HRE-8J

RE: Conditional Approval of Revised
Part 1, Alternate Water Supply
Work Plan for the South
Groundwater Contamination Plume
Removal Action

Dear Mr. Craig:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the revised Part 1, Alternate Water Supply Work Plan for the South Groundwater Contamination Plume Removal Action.

The revised Work Plan includes responses to the Ohio Environmental Protection Agency's (OEPA) comments, and reflects changes that have developed since January 1991. U.S. EPA hereby approves the Work Plan pending incorporation of U.S. EPA's comments on Attachment I.

Please contact me at (312/FTS) 886-0992 if you have any questions.

Sincerely,

James A. Saric
Remedial Project Manager

Enclosure

cc: Graham Mitchell, OEPA-SWDO
Pat Whitfield, U.S. DOE-HDQ

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ATTACHMENT

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REVISION 1 TO PART 1 OF THE WORK PLAN FOR THE SOUTH PLUME
REMOVAL ACTION FERNALD ENVIRONMENTAL MANAGEMENT PROJECT SITE

1. Section 3.0, Page I-2: The work plan uses "5 meter units above background" as the selection criterion for laboratory analysis. This is too broad a criterion and the work plan's "5 meter units" should be replaced with "5 parts per million."
2. Section 3.0, Page I-2: The work plan uses indefinite language such as "if warranted" and "may." The work plan should state definite activities and specify criteria that will require activities to occur.
3. Section 3.0, Page I-2: The work plan states that soil samples will be placed in glass jars that will be sealed with aluminum foil lids. Specific procedures should be presented on how an airtight seal will be maintained.
4. Section 3.0, Page I-2: Specific procedures should be presented for maintaining the soil sample at 60°F. Although 60°F is high enough to volatilize target compounds into the headspace, better results could be obtained if the temperature was raised to 86°F (30°C) or higher. A method more consistent with the headspace screening presented in SW 846 method 3810 is recommended.
5. Section 3.0, Page I-2: The work plan should reference all quality control procedures and sampling procedures listed in the approved remedial investigation/feasibility study (RI/FS) quality assurance project plan (QAPjP).
6. Section 3.0, Page I-2: The work plan should justify the selection of the listed compounds as the target compounds.
7. Section 3.0, Page I-2: The work plan states that samples will be retained at 60°F for "at least 15 minutes." Samples should be retained for a consistent period of time to produce comparable results among samples.

8. Section 3.0, Page I-3: The work plan specifies that rinsate and trip blank samples will be used as quality assurance/quality control (QA/QC) samples. The work plan should indicate that duplicate samples will also be collected and used as QA/QC samples.

9. Section 3.0, Page I-3: The work plan should indicate that trip blank samples will be included in each cooler containing samples for volatile organic analysis. The work plan should also indicate that rinsate blanks and duplicate samples will be collected at a frequency of one for each ten samples.

