

**1778**

**R-002-207.7**

**REMOVAL #1 - PLANT 6  
U.S. DOE FERNALD  
OH6 890 008 976**

**10/01/90**

**USEPA/DOE-FMPC  
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LETTER  
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
230 SOUTH DEARBORN ST.  
CHICAGO, ILLINOIS 60604

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REPLY TO ATTENTION OF:

OCT 01 1990

5HR-12

Mr. Bobby Davis  
United States Department Of Energy  
Feed Materials Production Center  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

Re: Removal #1 - Plant 6  
U.S. DOE Fernald  
OH6 890 008 976

Dear Mr. Davis:

On August 6, 1990, the United States Department of Energy (U.S. DOE) submitted a revised Work Plan and Health and Safety Plan for removal action #1 - Plant 6, which were prepared by Westinghouse Materials Company of Ohio (WMC0). Another copy of this document was forwarded to the United States Environmental Protection Agency on September 18, 1990.

The revised work plan states that routing the untreated contaminated ground water through the general sump would not result in the discharge of pollutants at levels above the "trigger levels" for routine NPDES discharge. The relevant contaminant levels are those that are discharged into the water treatment system, prior to dilution. Dilution of contaminated ground water with other waste streams does not meet CERCLA's statutory preference for treatment.

U.S. EPA has reviewed the revised work plan and in accordance with requirements of Section IX.C of the 1990 Consent Agreement is approving this document with the following modification:

1. U.S. DOE must provide treatment for contaminants in the water pumped from under Plant 6 prior to dilution with other waste streams or waste water. This treatment shall include appropriate air stripping and/or charcoal filtration to remove volatile organic compounds (VOCs). All treatment units shall include appropriate controls for controlling air emissions.
2. U.S. DOE shall monitor the rate and volume of water pumped from each collection well. U.S. DOE shall collect a representative sample of the pumped water from each collection well weekly and analyze it for all

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hazardous substances. This information shall be presented to U.S. EPA in the monthly Consent Agreement status report. U.S. DOE may propose to limit the list of analytes after sampling verifies indicates what contaminants are present.

In accordance with Section IX.C of the 1990 Consent Agreement, this work plan must be implemented within five (5) days of the date of this approval.

Please contact me at (312/FTS) 886-4436 if you have any questions.

Sincerely,



Catherine A. McCord  
On-Scene Coordinator

cc: Richard Shank, OEPA  
Graham Mitchell, OEPA-SWDO  
Joe LaGrone, U.S. DOE - ORO  
Leo Duffy, U.S. DOE - HDQ