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**RESULTS OF CHARACTERIZATION TRENCHING IN  
THE OPERABLE UNIT 2 SOLID WASTE LANDFILL  
AND SOUTH FIELD AREA 2**

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LETTER



**Department of Energy**  
**Fernald Environmental Management Project**  
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SEP 29 1992

DOE-2833-92

Mr. James A. Saric, Remedial Project Director  
U.S. Environmental Protection Agency  
Region V - 5HR-12  
230 South Dearborn Street  
Chicago, Illinois 60604

Mr. Graham E. Mitchell, Project Manager  
Ohio Environmental Protection Agency  
40 South Main Street  
Dayton, Ohio 45402

Dear Mr. Saric and Mr. Mitchell:

**RESULTS OF CHARACTERIZATION TRENCHING IN THE OPERABLE UNIT 2 SOLID WASTE  
LANDFILL AND SOUTH FIELD AREA 2**

Enclosed for your review and consultation are the results of the Solid Waste Landfill and South Field Area 2 trenching activities, which were completed on July 16 and August 4, 1992, respectively. These activities were performed as defined in the Work Plan Addendum for Excavation of Trenches in the Operable Unit 2 Solid Waste Landfill (February 13, 1992), and the Sampling and Analysis Plan for the Production Area and Other Suspect Areas (October 4, 1989).

The trenching in the Solid Waste Landfill was conducted to visually characterize the contents of the Solid Waste Landfill due to areas of non-recovery in three Remedial Investigation/Feasibility Study (RI/FS) soil borings. The trenching successfully accomplished these objectives and provided valuable additional information on the nature and extent of waste in the landfill. In addition, four leachate samples were collected from the trenches. The analytical results for these samples are currently in the ASI/IT data validation process and will be incorporated into the OU 2 Feasibility Study fate and transport modelling.

Three parallel trenches were identified in a 1954 aerial photo, approximately 250 feet north of the Inactive Flyash Pile. The trenching in this area, South Field Area 2, was an attempt to uncover and characterize the three trenches present in the 1954 aerial photo. However, the efforts did not uncover evidence of the actual trenches, but did lead to the conclusion that the 1954 excavations were probably not burial trenches (see Enclosure ).

The following are included to further summarize the results of the trenching:

- Enclosure 1: Summary of results for both areas.
- Enclosure 2: WEMCO Site Media Sampling detailed report on the trenching conducted in the Solid Waste Landfill.
- Enclosure 3: WEMCO Site Media Sampling detailed report on the trenching conducted in the South Field Area 2.
- Enclosure 4: Video cassettes and photographs for both areas.

If you or your staff have any questions, please contact Johnny Reising at FTS/Commercial 513-738-9083.

Sincerely,



*for*

Jack R. Craig  
Fernald Remedial Action  
Project Manager

FN:Reising

Enclosures: As Stated

cc w/encs. (1-3):

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