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OSDF TEST PAD FINAL REPORT

01/16/97

**USEPA
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APPROVAL**

DOE-FEMP



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

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REPLY TO THE ATTENTION OF:

SRF-5J

Mr. Johnny W. Reising
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

RE: OSDF Test Pad Final Report

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) draft On-Site Disposal Facility (OSDF) test pad program final report.

The report indicates that the compacted clay liner constructed from borrow material can achieve the required low permeabilities.

Overall, the report indicates that the test pad program was performed according to the previously approved work plan, and that the presentation and recommendations are adequate. However, a few minor issues require further clarification.

First, during pad construction, only heavy caterpillar equipment was used to compact soil. Generally, a sheep's-foot roller is used to achieve more uniform compaction of the clay materials by breaking down clods into finer particles. U.S. DOE must explain why a sheep's-footed roller was not used.

Also, data logs indicate that several rain events occurred during the sealed, double-ring infiltrometer tests. Data logs also indicate that water was occasionally pumped out of the outer ring. U.S. DOE must indicate any impacts such rain events may have had on the test results.

Therefore, U.S. EPA approves the OSDF test pad final report pending incorporation of adequate responses and changed pages to the above comments. U.S. DOE must submit responses to comments and changed pages within thirty (30) day receipt of this letter.

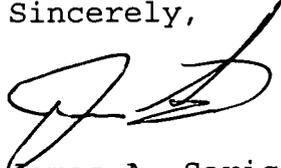
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Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,



James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

cc: Tom Schneider, OEPA-SWDO
Jack Baublitz, U.S. DOE-HDQ
John Bradburne, FERMCO
Charles Little, FERMCO
Terry Hagen, FERMCO
Tom Walsh, FERMCO