



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

FERNALD _____

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LIBRARY REPLY TO THE ATTENTION OF:

MAY 25 1999

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

SRF-5J

2252

RE: OSDF Interim Leachate Line

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) drawings and specifications for the interim leachate conveyance system for the On-Site Disposal Facility (OSDF). The submittal consisted of five drawings and various specifications for the interim leachate conveyance system.

The drawings and specifications incorporate the lessons learned during the leak investigation and the use of butt-welded joints will significantly enhance the reliability of the interim system. However, the welding procedure for joints at the permanent lift station and Manhole No.3 should be carefully evaluated to ensure proper pipe alignment and fusion temperature.

U.S. DOE should also evaluate any potential impacts of connecting the 6-inch diameter older pipe with the 6-inch diameter new pipe. The welded connections may be prone to additional stress, or the slight elevation increase of the old pipe may alter the gravitational flow of the leachate to the permanent lift station.

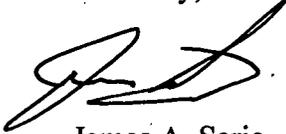
The pipelining proposed for Manholes No.1 and 2 and from Manholes No. 2 and 3 is an established procedure for repairing leaking pipes. However, the joints within each 400-foot length of slip line pipe should be tested and certified by the manufacturer before installation.

The drawings and specifications reflect generally accepted engineering practices and U.S. EPA approves the design. This approval in no way certifies the design for construction. In addition, U.S. EPA's approval does not imply that the leachate line, when constructed, will meet the performance standards or be accepted.



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
Bill Murphie, U.S. DOE-HQ
John Bradburne, FERMCO
Terry Hagen, FERMCO
Tom Walsh, FERMCO