



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

FERNALD 4097
LOG C-0569

2002 JAN 17 A 9:58

REPLY TO THE ATTENTION OF 6446.3F

JAN 16 2002

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

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RE: OSDF DCN for Intervening
Layer

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) December 20, 2001, Document Change Notice (DCN) for the On-Site Disposal Facility (OSDF) intervening layer thickness and final cover system.

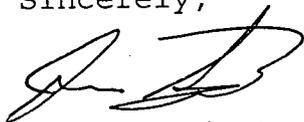
The letter requests approval for implementation of a design change to improve the long-term safety performance of the OSDF. The proposed design change consists of a 2-foot minimum intervening layer (in lieu of the current 4-foot design), a 2-foot thick category 1 layer under the 3-foot thick select-impacted-material layer, and the use of a 80-mil High Density Polyethylene geomembrane cap in the final cover of the OSDF.

U.S. EPA approves the DCN. It appears these design changes will provide more direct and better protection and support of the final cover system, lower the elevation of debris layers in the OSDF, and allow for potential further reduction on the OSDF footprint.

U.S. EPA recommends U.S. DOE make all efforts to utilize concrete crushing to further reduce the size of the OSDF footprint as well as the OSDF material transfer area. U.S. EPA believes concrete crushing will further improve the overall soil and debris placement operation of the OSDF.

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
Kim Chaney, U.S. DOE-HQ
John Bradburne, Fluor Fernald
Terry Hagen, Fluor Fernald
Tim Poff, Fluor Fernald