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PRE-FINAL DESIGN PACKAGE FOR THE HAUL ROAD

07/24/96

USEPA DOE-FN
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DISAPPROVA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

847

J-2550

JUL 25 10 16 AM '96

JUL 24 1996

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: Pre-Final Design Package
for the Haul Road

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) pre-final design package (90 percent) for the Haul road and rerouted north entrance road.

The package includes design criteria, calculations, drawings, electrical specifications, and the Remedial Action Work Plan.

U.S. EPA disapproves the Haul road pre-final design package pending adequate responses to the attached comments. U.S. DOE must submit a response to comment document and a revised design package within thirty (30) days receipt of this letter.

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

Enclosure

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

TECHNICAL REVIEW COMMENTS ON THE PREFINAL DESIGN PACKAGE (90 PERCENT) AND DRAFT REMEDIAL ACTION WORK PLAN FOR THE HAUL ROAD AND REROUTED NORTH ENTRANCE ROAD FERNALD ENVIRONMENTAL MANAGEMENT PROJECT, FERNALD, OHIO

Specific technical review comments on (1) the design criteria package (DCP), (2) design and construction calculations package, (3) prefinal design drawing package, and (4) draft remedial action work plan (RAWP) of the prefinal design package (PDP) (90 percent) are presented below.

SPECIFIC COMMENTS

DESIGN CRITERIA PACKAGE

Commenting Organization: U.S. EPA Commentor: Saric
Section #: 2.3.1 Page #: 2-10 Line #: NA
Original Specific Comment #: 1

Comment: Section 2.3.1 states that temporary sedimentation basins will be used to prevent sedimentation from migrating off site. These sedimentation basins do not appear in any of the plans. The sedimentation basin locations should be shown in the final design package and in the temporary erosion control drawings for both the haul road and relocated north entrance road.

Commenting Organization: U.S. EPA Commentor: Saric
Section #: 2.3.1 Pages #: 2-11 and 2-12 Line #: NA
Original Specific Comment #: 2

Comment: The roads on which the nonwoven geotextile is to be used are not clear. The last paragraph on Page 2-11 states that a nonwoven geotextile will be used on the haul road. The first paragraph on Page 2-12 refers to the north entrance road and the pavement as bituminous with an aggregate sub-base but does not mention a nonwoven geotextile layer. The last sentence of the last paragraph on Page 2-11 should be revised as follows: "To reduce the risk of cross contamination and prevent fines from interfering with the sub-base, a nonwoven geotextile will be used on both the haul road and the relocated north entrance road."

Commenting Organization: U.S. EPA Commentor: Saric
Section #: 2.3.1 Page #: 2-12 Line #: NA
Original Specific Comment #: 3

Comment: This paragraph refers to the compaction of the subgrade of both roadways and is not consistent with the typical

