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*APPROVAL OF THE FINAL OU #2  
REMEDIAL INVESTIGATION WORK  
PLAN ADDENDUM*

*05/28/93*

*USEPA/DOE-FN*

*2*

*LETTER*



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

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REPLY TO THE ATTENTION OF:

MAY 28 1993

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

HRE-8J

RE: Approval of the Final OU #2  
Remedial Investigation  
Work Plan Addendum

Dear Mr. Craig:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the Final Sampling and Analysis Plan Operable Unit 2 Remedial Investigation (RI) Work Plan Addendum.

The final Addendum adequately addresses and incorporates modifications concerning all but one of U.S. EPA's comments. Therefore, U.S. EPA hereby approves the final Addendum pending incorporation of the attached comment into the document.

Please submit modified pages incorporating the comment into the document within thirty (30) days of receipt of this letter.

Please contact me at (312/FTS) 886-0992 if you have any questions.

Sincerely,

James A. Saric  
Remedial Project Manager

Enclosure

cc: Graham Mitchell, OEPA-SWDO  
Pat Whitfield, U.S. DOE-HDQ  
Nick Kaufman, FERMCO  
Jim Thiesing, FERMCO  
Paul Clay, FERMCO

(WARNER)  
PARTIAL  
ACTION RESPONSE  
to DOE-1916-93  
(6172)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

AIR AND RADIATION DIVISION  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

4415

DATE: MAY 17 1993

SUBJECT: Review of the Final "Sampling and Analysis Plan for the Operable Unit 2 Work Plan Addendum,"  
Fernald Environmental Management Project, Fernald, Ohio

FROM: Gene Jablonowski, Environmental Engineer,  
Radiation Section (AT-18J)

TO: James Saric, Remedial Project Manager  
RCRA Enforcement Branch (HRE-8J)

The responses to comments and the final "Sampling and Analysis Plan for the Operable Unit 2 Work Plan Addendum" document has been reviewed, with all but one of my original comments being adequately addressed. The unresolved comment regards the Section 8.6.1, Calibration of Field Equipment, discussion of certain radiological instruments:

- a Ludlum Model 12 meter, if intended to be used for alpha particle surveys, would be configured with a ZnS scintillator or air proportional alpha detector, rather than the pancake probe (Geiger-Mueller) that is indicated in the Work Plan;
- the Ludlum Model 2 meter, when configured with a Ludlum 44-9 pancake Geiger-Mueller detector as indicated in the response to comments, should be calibrated by exposing the detector to a calibrated gamma field rather than a background concentration that is indicated in the Work Plan; and
- an inconsistency exists between the stated calibration period of the Eberline ESP-1 meter and its SPA-3 NaI detector; the Work Plan states a daily calibration while the responses to comments states a weekly calibration.

The language of the Work Plan and the response to comments seems to indicate a lack of understanding of radiological field instrumentation and their calibration and operational check requirements. This is a matter of concern since these instruments are to be used for radiological field screening, monitoring, and health and safety purposes. If you have further questions, please contact me at (FTS) 886-0169.

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