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**REVISED PROCEDURES FOR OU #4
VITRIFICATION TREATABILITY STUDY**

06/22/92

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD

CHICAGO, IL 60604-3590

JUN 22 1992

REPLY TO THE ATTENTION OF:

HRE-8J

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

RE: Revised Procedures for
OU #4 Vitrification
Treatability Study

Dear Mr. Craig:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the revised Procedures for the Operable Unit (OU) #4 Vitrification Treatability Study. U.S. DOE has satisfactorily responded to majority of U.S. EPA's written comments.

Therefore, U.S. EPA hereby approves the revised procedures pending incorporation of the attached comments.

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
Dennis Carr, WMCO

*Allen
Action Required
to T-1360
(4065)*

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ATTACHMENT
TECHNICAL COMMENTS

REVISED PROCEDURES FOR THE OPERABLE UNIT 4 TREATABILITY STUDY WORK PLAN
SILOS 1, 2, and 3

1. U.S. Department of Energy (DOE) Response to U.S. Environmental Protection Agency Specific Comment No. 2 -- DOE states that triplicate analyses will be conducted for bulk density, apparent density, and moisture content. DOE should clearly state that this applies to all samples, not just feed samples.
2. Appendix D, page 3, third paragraph -- DOE should also analyze the condensate to evaluate total radon emanation during vitrification.
3. Page 4, Line 10. -- DOE presents a method for calculating the upper bound moisture content (the moisture content of the waste as received) and a lower bound moisture content (the moisture content of the waste before testing). The work plan should state what difference between the upper bound and lower bound moisture content is acceptable to ensure that the waste used in the tests are representative of the wastes that will be treated during the full-scale operation.