



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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

FERNALD

LOG K-2279

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REPLY TO THE ATTENTION OF

AUG 20 1997

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

SRF-5J

RE: Comparability of  
In-situ Gamma  
Spectrometry

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) comparability of in-situ gamma spectrometry and laboratory data.

This document provides the results and conclusions of the comparability of the High-Purity Germanium detector (HPGe) results to those of standard sampling and laboratory analysis procedures.

U.S. DOE has not adequately addressed the limitations of the technology associated with its use for the soils project. The HPGe comparability study does not provide a thorough justification for using it to evaluate waste acceptance criteria. U.S. EPA has attached comments on the document.

Therefore, U.S. EPA disapproves the HPGe comparability study. Given the nature of these comments, U.S. EPA recommends a meeting to discuss a path forward for the use of HPGe in future soils projects and revision of this document.

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







