



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

NOV 0 9 2005

REPLY TO THE ATTENTION OF

Mr. Johnny W. Reising  
United States Department of Energy  
Fernald Closure Project  
175 Tri-County Parkway  
Springdale, Ohio 45246

SR-6J

RE: SWRB WAC Attainment Plan

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) Waste Acceptance Criteria (WAC) attainment plan for the sediment in the Storm Water Retention Basins (SWRB). This plan summarizes sampling activities conducted to characterize sediment in the SWRB.

The document indicates that above WAC material exists in the SWRB and that there are data gaps, particularly in the center of the SWRB, where additional samples are required. U.S. EPA has enclosed comments on the document. Therefore U.S. EPA disapproves the SWRB WAC attainment plan. U.S. DOE must submit a revised document and responses to comments 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  
Con Murphy, Fluor Fernald  
Frank Johnston, Fluor Fernald

TECHNICAL REVIEW COMMENTS ON  
"WAC ATTAINMENT PLAN FOR SEDIMENT IN THE STORM WATER RETENTION  
BASINS"

FERNALD CLOSURE PROJECT

SPECIFIC COMMENTS

Commenting Organization: U.S. EPA Commentor: Saric  
Section #: 4 Page #: 1 Line #: Not Applicable (NA)  
Specific Comment #: 1

Comment: The text states that two sediment samples collected in 2004 from the Center and East Basins each were above the waste acceptance criteria (WAC) for technetium-99 and that all sediment samples collected from the West Basin were below-WAC for uranium and technetium-99 and refers to Figure 1. The text should be revised to state the WAC for uranium and technetium-99, the constituents of concern for the Storm Water Retention Basins. Also, according to Figure 1, all sediment samples were collected from the perimeter of the three basins. Additional sediment samples should be collected from the center (deeper) parts of the basins to make a proper WAC attainment determination for the three Storm Water Retention Basins. The appropriate sections of the plan should be revised accordingly.

Commenting Organization: U.S. EPA Commentor: Saric  
Section #: 5 Page #: 2 Line #: NA  
Specific Comment #: 2

Comment: The text states that two samples collected in 2005 from the Center Basin were greater than the '20 times rule' for total selenium and refers to Figure 2. Figure 2 indicates that the four sediment samples collected from the Center Basin were collected from the perimeter of the basin and not the center (deeper) part. Additional sediment samples should be collected from the center of all three Storm Water Retention Basins and analyzed for Envirocare WAC parameters. The appropriate sections of the plan should be revised accordingly.