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February 14, 2000

Fernald Environmental Management Project

Letter No. C:SWP(ARWWP):2000-0003

Mr. Thomas A. Winston, District Chief  
Ohio Environmental Protection Agency  
Southwest District Office  
401 East Fifth Street  
Dayton, Ohio 45402-2911

Dear Mr. Winston:

**NONCOMPLIANCE REPORT - JANUARY 2000 - NPDES PERMIT NUMBER 11000004\*ED -  
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT (FEMP)**

Enclosed is the Noncompliance Report for January 2000. A copy of the January 2000 Discharge Monitoring Reports are enclosed to aid your review. If you have any questions, please contact Ms. Marlene M. Landrum at (513) 648-4197.

Sincerely,



David J. Brettschneider  
Project Manager

DJB:mml  
Enclosures

- c: D. J. Carr, Fluor Fernald, MS 52-2  
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EDC File No. 52700

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w/o: L. J. Evans, Fluor Fernald, MS90  
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NONCOMPLIANCE REPORT  
NPDES PERMIT NO. 11000004\*ED  
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT  
U.S. DEPARTMENT OF ENERGY

The following table describes the January 2000 noncompliances with the discharge limitations specified in the FEMP NPDES Permit. This table lists the affected outfall, dates of the noncompliances, parameter, permit limits, and measured effluent concentrations.

SPILLWAY TO PADDYS RUN - OUTFALL *4002			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
January 3, 2000	TSS Concentration	50 mg/l	134.0 mg/l

PARSHALL FLUME - OUTFALL *4001			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
January 4, 2000	TSS Mass Loading	473 kg/day	933.79 kg/day

The TSS violation at the Parshall Flume occurred during a stormwater bypass event. The bypass was initiated in an attempt to mitigate an overflow of the Stormwater Retention Basin (SWRB) due to heavy sequential rainfall events. The bypass event commenced at 7:45 pm on January 3, 2000 and ended at 11:25 am on January 5, 2000.

The noncompliance at the Parshall Flume is directly related to the stormwater bypass event. The TSS concentration for January 4, 2000 was 36 mg/l. The discharge of 6,853,000 gallons that day to the Great Miami River from the FEMP resulted in a total mass discharge of 933.79 kg.

The noncompliance at the Spillway to Paddys Run occurred during the aforementioned heavy sequential rainfall events. The overflow event began at 8:10 pm on January 3, 2000 and ended at 12:20 pm on January 4, 2000. The basin began to overflow at 8:10 pm. The intensity of this rainfall resulted in a rapid rise in the basin stormwater, which did not allow for the necessary settling of solids to occur. The TSS concentration at the spillway on January 3 was 134 mg/l.

The Fluor Fernald/FEMP will continue to monitor this issue. However, at this time, there are no specific corrective actions identified.