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December 14, 1998

Fernald Environmental Management Project
Letter No. C:C:SWP(ARWWP):98-0045

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

Dear Mr. Winston:

**NONCOMPLIANCE REPORT - NOVEMBER 1998 - NPDES PERMIT NUMBER 11000004*ED -
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT**

Enclosed is the Noncompliance Report for November, 1998. In addition, the November 1998 Discharge Monitoring Reports are enclosed to aid your review. If you have any questions, please contact Marlene M. Landrum at (513) 648-4197.

Sincerely,

A handwritten signature in black ink, appearing to read "David J. Brettschneider". The signature is written in a cursive, somewhat stylized script.

David J. Brettschneider, Project Manager
AWWT & Wastewater Project

MML
Enclosures



Mr. Thomas Winston, District Chief
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E. P. Skintik, DOE-OFEMP, MS 45
T. J. Walsh, Fluor Daniel Fernald, MS 65-2
AR Coordinator, MS 78
EDC File No. 52700
- c w/o: Larry Evans, Fluor Daniel Fernald, MS 90
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Donna Metzler, Fluor Daniel Fernald, MS 52-5

NONCOMPLIANCE REPORT
 NPDES PERMIT NO. 11000004*ED
 FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
 U.S. DEPARTMENT OF ENERGY

The following table describes the November 1998 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.

SEWAGE TREATMENT PLANT (STP) - OUTFALL *4601			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
November 16, 1998	TSS Concentration	40 mg/l	67.0 mg/l
Monthly Average	TSS Concentration	20 mg/l	28.9 mg/l

On November 20, 1998, analysis reflected a Total Suspended Solids (TSS) result of 67.0 mg/l for the sample taken at the Sewage Treatment Plant (STP) on November 16, 1998. This noncompliance also contributed to an exceedance of the monthly TSS concentration limitation of 20 mg/l. An examination of the operating logs for this day did not reveal any unusual events or circumstances that could have led to an elevated TSS reading. There were no equipment malfunctions noted during this time.

The FEMP is continuing to investigate the cause of the TSS violations at the STP. Currently, the evaluation is focusing on whether high swings in influent flows (morning weekdays vs. off-hours and weekends) are contributing to these violations, and whether some type of flow equalization is required. Other areas of investigation include influent screening, clarifier control, and adjustments in aeration in the reactor basin. The FEMP has recently reduced the duration of basin aeration to ensure the floc retains good settling properties in the clarifier. To date, no definitive cause of the TSS violations has been identified.

The FEMP/FDF will continue to investigate this situation. However, at this time, there are no corrective actions identified.