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September 14, 1998

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Fernald Environmental Management Project
Letter No. C:C:SWP(ARWWP):98-0039

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 - AUGUST 1998 - NPDES PERMIT NUMBER 11000004*ED -
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT**

Enclosed is the Noncompliance Report for August, 1998. In addition, the August 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,

David J. Brettschneider, Project Manager
AWWT & Wastewater Project

MML
Enclosures

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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: Brenda Hoog, Fluor Daniel Fernald, MS 52-2
- Donna Metzler, Fluor Daniel Fernald, MS 52-5

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

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The following tables describe the August 1998 noncompliances with the discharge limitations specified in the FEMP NPDES Permit. These tables list the affected outfalls, dates of noncompliance, parameter, permit limits, and measured effluent concentrations.

SEWAGE TREATMENT PLANT (STP) - OUTFALL *4601			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
August 5, 1998	TSS Concentration	40 mg/l	45.8 mg/l
August 10, 1998	TSS Concentration	40 mg/l	54.0 mg/l
August 17, 1998	TSS Concentration	40 mg/l	48.8 mg/l
August 24, 1998	TSS Concentration	40 mg/l	66.8 mg/l
August 31, 1998	TSS Concentration	40 mg/l	46.0 mg/l
Monthly Average	TSS Concentration	20 mg/l	39.6 mg/l

On July 18, 1998, the shift operator reported that there was damage to the flights and chains on the west clarifier at the STP, rendering it non-operational. The necessary replacement parts for the clarifier were received and unit was functioning properly as of August 10, 1998. On August 8, 1998, the shift operator noted that problems were being exhibited by the east clarifier at the STP. The east clarifier became non-operational on September 2, 1998. Repairs were made to this unit and it was returned to service on September 8, 1998. During this reporting month, there were five noncompliances for TSS at the STP as a result of only one clarifier operating.

The TSS concentration limit of 40 mg/l at the STP was exceeded five times during the month of August. The flow on each of these occasions was such that the total mass discharge limit of 24.2 kg/day was not exceeded. The TSS concentration on August 5, 1998 was 45.8 mg/l. The flow of 51,000 gallons resulted in a total mass discharge of 8.8 kg. The TSS concentration on August 10, 1998 was 54.0 mg/l. The flow of 63,000 gallons resulted in a total mass loading of 12.9 kg. The TSS concentration on August 17, 1998 was 48.8 mg/l. The flow of 52,000 gallons yielded a total mass loading of 9.6 kg.

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On August 24, 1998, the TSS concentration was measured at 66.8 mg/l. The flow of 57,000 gallons resulted in a total mass loading of 14.4 kg. The TSS concentration on August 31, 1998 was 46.0 mg/l. The flow of 50,000 gallons resulted in a total mass discharge of 8.7 kg. These noncompliances contributed to a higher than usual monthly TSS concentration average of 39.6 mg/l, which exceeds the permit 30-day concentration limitation of 20 mg/l.

The FDF/FEMP will continue to monitor these issues. However, at this time, there are no additional corrective actions identified.