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July 14, 1998

Fernald Environmental Management Project  
Letter No. C:C:SWP(ARWWP):98-0032

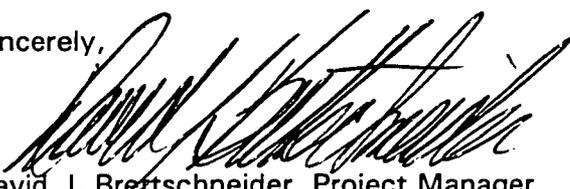
Mr. Thomas Winston, District Chief  
Southwest District Office  
Ohio Environmental Protection Agency  
401 East Fifth Street  
Dayton, OH 45402-2911

Dear Mr. Winston:

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

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

1



Mr. Thomas Winston, District Chief  
Letter No. C:C:SWP(ARWWP):98-0032  
Page 2

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EDC File No: 52700

c w/o: Brenda Hoog, Fluor Daniel Fernald, MS 52-2  
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NONCOMPLIANCE REPORT  
 NPDES PERMIT NO. 11000004\*ED  
 FERNALD ENVIRONMENTAL MANAGEMENT PROJECT  
 U.S. DEPARTMENT OF ENERGY

The following tables describes the June 1998 noncompliances with the discharge limitations specified in the FEMP NPDES Permit. These tables list the outfalls, dates of the noncompliances, parameters, permit limits, and measured effluent concentrations.

PARSHALL FLUME - OUTFALL *4001			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
June 22, 1998	TSS Concentration	45 mg/l	47.6 mg/l

The TSS concentration for June 22 was 47.6 mg/l, exceeding the permit limit of 45 mg/l. The discharge of 2,498,000 gallons to the Great Miami River from the FEMP resulted in a total mass discharge of 450.4 kg, which is within the permit limitations for mass loading at this outfall. The noncompliance at the Parshall Flume was discovered on June 29, 1998 and the OEPA was informed of this noncompliance on this same day as required under the terms of the permit. This TSS violation occurred during routine operations. The FEMP initiated a stormwater bypass to prevent an overflow of the Stormwater Retention Basin (SWRB) on June 19, 1998, which continued through June 20, 1998. However, there was no bypass event ongoing at the time of the noncompliance. The direct cause of the noncompliance at the Parshall Flume has not yet been determined.

SEWAGE TREATMENT PLANT - OUTFALL *4601			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
June 15, 1998	TSS Concentration	40 mg/l	87.6 mg/l
June 15, 1998	TSS Mass Loading	24 kg/day	29.2 kg/day
June 17, 1998	TSS Concentration	40 mg/l	42.8 mg/l
June 22, 1998	TSS Concentration	40 mg/l	41.2 mg/l

The new Sewage Treatment Plant began operating on May 12, 1998. It is expected that measurements at the STP will fluctuate until such time that operations at this facility are stabilized. In addition, the STP suffered several electrical and mechanical upsets, including loss of power to the UV system and blowers, and damaged flights and chains which required repair. Also, during this time, only one clarifier was operational. The noncompliances experienced reflect the complications of startup operations at new STP. On June 24, both clarifiers at the facility were operational. The TSS results at the STP began trending downward toward the end of the month. It is believed that these repairs undertaken in June will stabilize the situation.

The TSS concentration at the STP on June 15 was 87.6 mg/l. The flow of 88,000 gallons resulted in a total mass loading of 29.2 kg. The permit limit is 24.2 kg/day. Despite the high TSS reading at the STP, the TSS reading at the Parshall Flume for that day was 2 mg/l, which is well below the permit limitation of 45 mg/l at that outfall.

The TSS concentration at the STP on June 17 was 42.8 mg/l. The flow of 79,000 gallons resulted in a total mass loading of 12.8 kg. Despite the high TSS concentration reading at the STP, the mass loading was below the permit limit of 24.2 kg/day. Also, the TSS reading at the Parshall Flume for that day was 23.6 mg/l, which is well below the permit limitation of 45 mg/l at that outfall.

The TSS concentration at the STP on June 22 was 41.2 mg/l. The flow of 71,000 gallons resulted in a total mass loading of 11.1 kg, which is below the permit limit of 24.2 kg/day. On this day, TSS reading at the Parshall Flume was 47.6 mg/l, which is slightly above the permit limitation of 45 mg/l at that outfall.