



Restoration Management Corporation

P. O. Box 538704 Cincinnati, Ohio 45253-8704 (513) 648-3000

August 12, 1997

Fernald Environmental Management Project
Letter No. C:SWP(ARP):97-0031

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

Dear Mr. Winston:

**NONCOMPLIANCE REPORT - AUGUST 1997 - NPDES PERMIT NUMBER 11000004*ED -
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT**

Enclosed is the Noncompliance Report for August 1997. In addition, a copy of the August 1997 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
Aquifer Restoration/Wastewater Project

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Enclosures

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

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The following table describes the August 1997 noncompliance with the discharge limitations specified in the FEMP NPDES Permit. This table lists the outfall, date of noncompliance, parameter, permit limit, and measured effluent concentration.

OUTFALL (NAME AND NUMBER): PARSHALL FLUME - 4001

<u>Date</u>	<u>Parameter</u>	<u>Limitation</u>	<u>Measurement</u>
August 18, 1997	TSS	45 mg/l	51.6 mg/l
August 18, 1997	TSS	473 kg/day	709.7 kg/day

The TSS violation occurred at the Parshall Flume during a stormwater bypass event. The bypass was necessary to prevent an overflow of the Stormwater Retention Basin. The bypass event commenced at 12:05 am on August 18, 1997 and ended at 12:30 pm on August 20, 1997. The noncompliance was discovered on August 19, 1997 and the OEPA was informed of this noncompliance on that same day as required under the terms of the permit.

The noncompliance is directly related to the stormwater bypass event. The TSS concentration for that day was 51.6mg/l. The discharge of 3,634,000 gallons to the Great Miami River from the FEMP resulted in a total mass discharge of 709.7 kg.

The FEMP maintains daily logs recording TSS measurements at various locations on site. Operator logs indicate that, with the exception of the stormwater bypass, all systems were operating normally. The following are tabulated TSS measurements which were taken at the Parshall Flume one day prior to and two days following the noncompliance event.

TSS MEASUREMENTS AT THE PARSHALL FLUME - OUTFALL *4001

<u>Date</u>	<u>TSS Measurement</u>	<u>Total Mass Discharge</u>
August 17, 1997	2.0 mg/l	16.8 kg/day
August 18, 1997	51.6 mg/l	709.7 kg/day
August 19, 1987	27.2 mg/l	413.9 kg/day
August 20, 1997	6.8 mg/l	85.0 kg/day

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