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FLUOR GLOBAL SERVICES

January 18, 2001

Fernald Environmental Management Project
Letter No. C: SWP(ARWWP):2001-003

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 - DECEMBER 2000 - NPDES PERMIT NUMBER 1IO0000*FD - FERNALD ENVIRONMENTAL MANAGEMENT PROJECT (FEMP)

Enclosed is the Noncompliance Report for December 2000. If you have any questions, please contact Mr. Frank Johnston at (513) 648-5294.

Sincerely,

David J. Brettschneider
Project Manager

DJB:FLJ

c: Joe Bartoszek, OEPA-SWDO
N. Hallein, EM-42/CLOV
Ev Henry, Fluor Fernald, MS52-5
William Hertel, Fluor Fernald, MS52-5
Rob Janke, DOE-FEMP, MS45
Marc Jewett, Fluor Fernald, MS52
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Tim Poff, Fluor Fernald, MS65-2
Caran Siefert, Fluor Fernald, MS52-2
Ed Skintik, DOE-FEMP, MS45
Tom Schneider, OEPA-SWDO
AR Coordinator, MS78

w/o encl.:
Donna Metzler, Fluor Fernald, MS52-5
File Record Subject : NPDES Permit
Project Number52700

NONCOMPLIANCE REPORT
NPDES PERMIT NO. 1I000004*FD
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
U.S. DEPARTMENT OF ENERGY

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

SEWAGE TREATMENT PLANT EFFLUENT – OUTFALL *4601			
DATE	PARAMETER	PERMIT LIMIT	ACTUAL MEASUREMENT
December 6, 2000	TSS Concentration	40 mg/l	48.8 mg/l

The December 6, 2000 noncompliance was caused by operator error in adjusting the clarifier flow split. While adjusting the east clarifier influent valve, the operator inadvertently shut off the flow to the east clarifier. This error increased the flow-through rate of the west clarifier resulting in reduced settling time in the west clarifier. This increased flow would have also disturbed fine settleable solids that normally settle toward the effluent end of the clarifier.

A contributing factor was likely the cold temperatures experienced. Settling rates are reduced during cold weather thus resulting in an increase in solids over the weir.

This TSS exceedance in the STP effluent did not have an adverse impact on the final outfall to the Great Miami River (Outfall 4001). The TSS measured on December 6, 2000 at 4001 was 2.4 mg/l.