

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

5051

(513)648-3000

FLUOR

September 19, 2003

Fernald Closure Project
Letter No. C:ARWWP:2003-0024

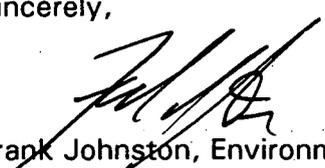
Mr. Thomas A. Winston, District Chief
Ohio Environmental Protection Agency
Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911

Dear Mr. Winston:

**NONCOMPLIANCE REPORT – AUGUST 2003 - NPDES PERMIT NUMBER 11000004*GD
FERNALD CLOSURE PROJECT (FCP)**

Enclosed is the August 2003 Noncompliance Report. If you have any questions, please contact me at (513) 648-5294.

Sincerely,



Frank Johnston, Environmental Compliance
Aquifer Restoration/Wastewater Project

FLJ
Enclosure

Mr. Thomas A. Winston, District Chief
Letter No. C:ARWWP:2003-0024
Page 2

c: Joe Bartoszek, OEPA-SWDO
N. Hallein, EM-42/CLOV
Ev Henry, Fluor Fernald, MS52-5
Bill Hertel, Fluor Fernald, MS52-5
Marc Jewett, Fluor Fernald, MS52-5
Mike Kopp, Fluor Fernald, MS52-5
Dave Lojek, DOE-FCP, MS45
Donna Metzler, Fluor Fernald, MS52-5
Ed Skintik, DOE-FCP, MS45
Tom Schneider, OEPA-SWDO
ECDC, Fluor Fernald, MS52-7
~~AR Coordinator, MS78~~
File Record Subject NPDES Permit
Project Number 52700

5051

**NONCOMPLIANCE REPORT
NPDES PERMIT NO. 11000004*GD
FERNALD CLOSURE PROJECT
U.S. DEPARTMENT OF ENERGY**

The following table describes the August 2003 noncompliances with the discharge limits specified in the Fernald Closure Project (FCP) NPDES Permit. This table lists the affected outfall, dates of the noncompliance, parameter, permit limits, and measured effluent concentrations.

DATE	LOCATION	PARAMETER	EFFLUENT LIMIT	ACTUAL MEASUREMENT
August 18, 2003	601	Total Suspended Solids	40 mg/L	43 mg/L

It appears the cause of the noncompliance was an unusually high silt loading resulting in an influent with relatively high total suspended solids and low BOD. This condition resulted in a temporarily low biological activity within the aeration tanks. A microscopic exam of the mixed liquor confirmed this reduced activity. The process control sample that was collected was observed to contain an unusual amount of clay. Operators responded by preparing and adding a batch of "bugs" which alleviated the upset condition.

Fluor Fernald has been operating the east aeration tank at the sewage treatment plant as a surge tank to mitigate against the known infiltration/inflow into the sanitary sewer system and will continue to do so. The process control in place allows operators to quickly respond to upset conditions. Fluor Fernald will continue to monitor sewage treatment plant performance but there are no specific actions contemplated at this time.