

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

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(513)648-3000

FLUOR

May 19, 2004

Fernald Closure Project
Letter No. C:SP:2004-0034

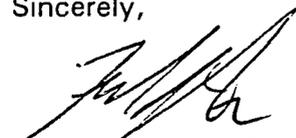
Mr. Thomas A. Winston, District Chief
Ohio Environmental Protection Agency
Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911

Dear Mr. Winston:

**NONCOMPLIANCE REPORT – APRIL 2004 - NPDES PERMIT NUMBER 11000004*GD
FERNALD CLOSURE PROJECT (FCP)**

Enclosed is the April 2004 Noncompliance Report. If you have any questions, please contact me at (513) 648-5294.

Sincerely,



Frank Johnston, Environmental Compliance
Silos & Waste Pits Project

FLJ
Enclosure

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- c: Joe Bartoszek, OEPA-SWDO
- N. Hallein, EM-42/CLOV
- Ev Henry, Fluor Fernald, MS52-5
- Bill Hertel, Fluor Fernald, MS52-5
- Mike Kopp, Fluor Fernald, MS52-5
- Dave Lojek, DOE-FCP, MS45
- 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
- SP Letter Log, MS77

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

The following table describes the April 2004 noncompliance 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.

| Sewage Treatment Plant Effluent – Outfall *4601 | | | |
|--|-------------------------------|--------------|--------------|
| Date | Parameter | Permit Limit | Actual Value |
| April 4, 2004 | Total Suspended Solids | 40 mg/L | 48.0 mg/L |
| April 2004 | Total Suspended Solids (Avg.) | 20 mg/L | 26.1mg/L |

No definitive cause has been determined for the April noncompliance. All unit operations were on-line and operational. An analysis of the biomass indicated a healthy and diverse population and the absence of organisms detrimental to the process (e.g. filamentous). BOD removal remains at an acceptable level

Factors such as cold weather, excessive infiltration/inflow into the sanitary sewer system, and over-aeration in the reactor basin due to the low hydraulic load on the plant have been known to adversely impact TSS removal performance. These could be contributing factors to the elevated TSS measurements during April.

The slightly elevated TSS measurements from the STP had no adverse impact on the ultimate discharge to the Great Miami River. Fluor Fernald Inc. will continue to monitor this situation closely.