Fernald Environmental

FERMCO

Restoration Management Corporation (now renamed Fluor Daniel Fernald) P.O. Box 398704 Cincinnati, Ohio 45239-8704 (513) 738-6200

September 12, 1997

Fernald Environmental Management Project
Letter No. C:SWP(ARP):97-0030

Ohio Environmental Protection Agency
Division of Surface Water
C M & E - Permit Comp. Unit
P.O. Box 1049
Columbus, Ohio 43266-1049

Gentlemen:

OHIO ENVIRONMENTAL PROTECTION AGENCY DISCHARGE MONITORING REPORTS - FERNALD ENVIRONMENTAL MANAGEMENT PROJECT - NPDES PERMIT NUMBER 1IO00004*ED - AUGUST, 1997

Enclosed are the Ohio Environmental Protection Agency Discharge Monitoring Report forms for the Fernald Environmental Management Project (FEMP) for August 1997. If you have any questions or comments regarding these reports, please contact Douglas J. Abbott at (513) 648-5287.

Sincerely,

David J. Brettschneider, Project Manager
AWWT & Wastewater Project

DJB:DJA
Enclosures

988

6-106.

Fernald Environmental
FERMCO
Restoration Management Corporation
(now renamed Fluor Daniel Fernald)

c: S. M. Beckman, Fluor Daniel Fernald, MS 52-3
D. J. Carr, Fluor Daniel Fernald, MS 9
L. C. Goidell, Fluor Daniel Fernald, MS 65-2
N. Haffein, EM-423, QO
E. H. Henry, Fluor Daniel Fernald, MS 52-5
W. A. Hertel, Fluor Daniel Fernald, MS 52-5
F. L. Johnston, Fluor Daniel Fernald, MS 52-2
J. D. Kappa, DOE-FEMP, MS 45
M. M. Landrum, Fluor Daniel Fernald, MS 52-5
C. C. Little, Fluor Daniel Fernald, MS 2
C. G. Seifert, Fluor Daniel Fernald, MS 52-2
E. P. Skintik, DOE-FEMP, MS 45
T. J. Walsh, Fluor Daniel Fernald, MS 65-2
AR Coordinator, MS 78
EDC File No. 52700

9002 M 9501 900212 **4500** 988

NTHLY REPORT FORM

U.S. DEPARTMENT OF ENERGY 1ID00004001 AUG 1997 1 2 03/24/90 OH00095

Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704

4001 PARSHALL FLUME, EFFLUENT TO GREAT MIAMI RIVE
Hamilton

	1	1	1	3	2	3	3	2	2	2
	999	999	999	1	998	1	1	998	998	998
	CONDUI FLOW MGD	pH (MIN) S.U.	pH (MAX) S.U.	WATER TEMP. C	TOT.SUSP SOLIDS MG/L	DISS. OXYGEN MG/L	O & G TOTAL MG/L	NITRO NH3-N MG/L	NITRO NO2+NO3 MG/L	FLUORID TOTAL MG/L
		REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING C
	50050	00402	00401	00010	00530	00300	00550	00610	00630	00951
01	1.872	7.2	7.7	15	AA					
02	2.444	7.4	7.6	15	AA					
03	2.650	7.2	7.4	15	AA	9.7	AA	AA	0.9	0.34
04	2.636	7.3	7.4	15	AA					
05	1.897	7.2	7.6	15	AA					
06	1.892	7.4	7.6	14	AA					
07	1.946	7.2	7.7	16	AA					
08	1.915	7.5	7.9	14	AA					
09	1.821	7.9	8.2	14	AA					
10	1.820	8.0	8.4	15	2.0					
11	1.885	8.3	8.5	15	AA	9.9	AA	AA	1.6	0.36
12	1.838	8.5	8.7	15	AA					
13	1.870	7.6	8.2	15	AA					
14	2.117	7.9	7.6	16	AA					
15	3.066	7.3	7.6	15	AA					
16	2.209	7.3	7.8	16	AA					
17	2.219	7.5	7.8	15	2.0					
18	3.634	7.2	7.6	19	51.6					
19	4.020	7.0	7.4	19	27.2		AH	0.12	1.3	0.45
20	3.303	7.3	7.6	15	6.8	8.6				
21	2.198	7.3	7.6	14	4.4					
22	2.078	7.2	7.5	14	3.2					
23	2.126	7.4	7.8	14	AA					
24	2.156	7.4	7.6	15	AA					
25	2.125	7.2	7.4	14	AA					
26	2.100	7.2	7.5	15	AA					
27	2.202	7.2	7.6	14	AA	8.4	AA	AA	1.7	0.36
28	1.983	7.2	7.6	15	AA					
29	1.723	AE	AE	12	AA					
30	1.653	AE	AE	13	AA					
31	2.004	7.3	7.5	13	AA					
	69.402	N/A	N/A	N/A	145.2	36.6	AA	0.42	5.5	1.51
	2.239	N/A	N/A	15	6.4	9.1	AA	0.11	1.3	0.39
	4.020	8.5	8.7	19	51.6	9.9	AA	0.12	1.7	0.45
	1.653	7.0	7.4	12	AA	8.4	AA	AA	0.9	0.34

REMARKS: ALL REPORTING CODES MUST BE EXPLAINED IN THIS SECTION.

AA:00530-2.0 mg/l;00550-5.0 mg/l;00610-0.10 mg/l;00630-0.1 mg/l;00951-0.01 mg/

AE: 00401, 00402 - Continuous pH meter malfunctioning. 8/29:Min.-7.2, Max.-7.7

AE: 00401, 00402 - Continuous pH meter malfunctioning. 8/30:Min.-7.2. Max.-7.5

AH: 00550 - Sample container broken during transit.

REPORTER

DATE REPORT COMPLETED 9/12/97

ARWWP Project Mgr. 3 FD

9002 M 9501 900212

4500

988

NTHLY REPORT FORM

U.S. DEPARTMENT OF ENERGY
Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704

1I000004001 AUG 1997 2 2 03/24/90 OH00095

4001 PARSHALL FLUME, EFFLUENT TO GREAT MIAMI RIV
Hamilton

	2	3	2							
	998	1	998							
	COPPER TOT,REC UG/L	CHROMI HEX-DS UG/L	C-BOD 5 DAY MG/L	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING
	01119	01220	80082							
01										
02										
03	9.7	AA								
04			AA							
05										
06										
07										
08										
09										
10										
11	AA	AA	AA							
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18			AA							
19	AA	AA								
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25			AA							
26										
27	7.8	AA								
28										
29										
30										
31										
	27.5	AA	AA							
	6.7	AA	AA							
	9.7	AA	AA							
	AA	AA	AA							

REPORTING CODES MUST BE EXPLAINED IN THIS SECTION

AA: 01119 - 5.0 ug/l; 01220 - 5.0 ug/l; 80082 - 2.0 mg/l.

REPORTER

9/12/97

ARWWP Project Mgr. 4 FD

9002 M 9501 900212

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NTHLY REPORT FORM

PRINTING DATE APPLICATI

U.S. DEPARTMENT OF ENERGY 1I000004002 AUG 1997 1 2 03/24/90 OH00095

Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704

4002 SPILLWAY FROM STORMWATER RETENTION BASIN
Hamilton

THIS FORM MUST BE TYP

	2	3	2	3	2	2	2	2	2	2
	4	1	4	1	4	4	4	4	4	4
	CONDUI FLOW MGD	pH S.U.	TOT.SUSP SOLIDS MG/L	O & G Total MG/L	NITRO NH3-N MG/L	NITRO NO2+NO3 MG/L	PHOS TOTAL MG/L	FLUORI TOTAL MG/L	NICKEL TOT,REC UG/L	SILVER TOT,REC UG/L
	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING C
	50050	00400	00530	00550	00610	00630	00665	00951	01074	01079
01										
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04										
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REPORTING CODES MUST BE EXPLAINED IN THIS SECTION.

NO WATER OVERFLOWED FROM THE STORMWATER RETENTION BASIN.

REPORTER

9/12/97

ARWWP Project Mgr. 5 FD

9002 M 9501 900212

4500

ONTHLY REPORT FORM

U.S. DEPARTMENT OF ENERGY
Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704

1I000004002 AUG 1997 2 2 03/24/90 OH00095

4002 SPILLWAY FROM STORMWATER RETENTION BASIN
Hamilton

THIS FORM MUST BE TYPE

	2 4 CHROMI TOT,REC UG/L	2 4 COPPER TOT,REC UG/L	3 1 CHROMI HEX-DS UG/L	2 4 CHLORINE TOT,RESI MG/L						
	01118	01119	01220	50060						
01										
02										
03										
04										
05										
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REPORTING CODES MUST BE EXPLAINED IN THIS SECTION

NO WATER OVERFLOWED FROM THE STORMWATER RETENTION BASIN.

REPORTER

9/12/97

ARWWP Project Mgr. 6 FD

9002 M 9501 900212

4500

ONTHLY REPORT FORM

U.S. DEPARTMENT OF ENERGY
Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati. OH 45253-8704

1I000004601 AUG 1997 1 1 03/24/90 OH00095

4601 SEWAGE TREATMENT PLANT EFFLUENT
Hamilton

THIS FORM MUST BE TY

	1	3	2	2	2	3				
	999	1	998	998	998	1				
	CONDUI FLOW MGD	pH S.U.	C-BOD 5 DAY MG/L	TOT.SUSP SOLIDS MG/L	AMMONI NH3-N MG/L	FEC CO MF-FCB #/100ML				
	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING C
	50050	00400	80082	00530	00610	31616				
01	0.064	8.0								
02	0.041	7.3								
03	0.033	7.7								
04	0.067	7.9	AA	3.2	AA	AA				
05	0.077	8.0								
06	0.072	8.0	AA	AA						
07	0.066	7.9								
08	0.077	7.7								
09	0.044	7.6								
10	0.037	7.6								
11	0.086	7.6	AA	2.0		AA				
12	0.072	7.7								
13	0.102	7.7	AA	6.8						
14	0.068	7.6								
15	0.084	7.6								
16	0.041	7.6								
17	0.083	7.6				AA				
18	0.094	7.7	AA	2.8						
19	0.080	7.7			AA					
20	0.086	7.6	AA	AA						
21	0.068	7.6								
22	0.065	7.7								
23	0.056	7.6								
24	0.071	7.6				AA				
25	0.078	7.8	AA	AA						
26	0.050	7.7								
27	0.078	7.6	AA	2.4						
28	0.076	7.5								
29	0.065	7.6								
30	0.034	7.6								
31	0.035	7.6				AA				
	2.050	N/A	AA	23.2	AA	AA				
	0.066	N/A	AA	3.0	AA	AA				
	0.102	8.0	AA	6.8	AA	AA				
	0.033	7.3	AA	AA	AA	AA				

REMARKS - REPORTING CODES MUST BE EXPLAINED IN THIS SECTION
AA: 00530 - 2.0 mg/l; 00610 - 0.10 mg/l; 31616 - 20 colonies/100ml.
AA: 80082 - 2.0 mg/l.

REPORTER

9/12/97

ARWWP Project Mgr. FD

9005 M 9009 900212

4500

Chief 988

ONTHLY REPORT FORM

U.S. DEPARTMENT OF ENERGY
Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704

1I000004589 AUG 1997

4589 SEWAGE SLUDGE AFTER PLANT 8 DEWATERING
Hamilton

1 1 03/24/90 OH00095

NOTE: THIS FORM MUST BE TYP

	3	3	3	3	3	3	3	3		
	1	1	1	1	1	1	1	1		
	CADMIUM CD,TOT MG/KG	CHROMI CR,TOT MG/KG	COPPER CU,TOT MG/KG	LEAD PB,TOT MG/KG	NICKEL NI,TOT MG/KG	ZINC ZN,TOT MG/KG	SLUDGE WEIGHT D-TONS	MERCURY HG,TOT MG/KG		
	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING C
	01028	01029	01043	01052	01068	01093	70316	71921		
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ALL REMARKS: AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION

NO SLUDGE REMOVED DURING MONTH.

REPORTER

9/12/97

ARWWP Project Mgr. 8 FD