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

1699

September 14, 1998

Fernald Environmental Management Project
Letter No. C:SWP(ARWWP):98-0038

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, 1998

Enclosed are the Ohio Environmental Protection Agency Discharge Monitoring Report forms for the Fernald Environmental Management Project (FEMP) for August, 1998. If you have any questions or comments regarding these reports, please contact Marlene M. Landrum at (513) 648-4197.

Sincerely,

David J. Brettschneider, Project Manager
Aquifer Restoration/Wastewater Project

DJB:MML
Enclosures

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FLUOR DANIEL FERNALD

c: S. M. Beckman, Fluor Daniel Fernald, MS 52-3
D. J. Carr, Fluor Daniel Fernald, MS 52-2
L. J. Evans, Fluor Daniel Fernald, MS 90
L. C. Goidell, Fluor Daniel Fernald, MS 65-2
N. Hallein, EM-42/CLOV
E. H. Henry, Fluor Daniel Fernald, MS 52-5
W. A. Hertel, Fluor Daniel Fernald, MS 52-5
R. J. Janke, DOE-FEMP, MS 45
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. G. Siefert, 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

c w/o: Brenda Hoog, Fluor Daniel Fernald, MS 52-2
Donna Metzler, Fluor Daniel Fernald, MS 52-5

9002 M 9501 900212

NTHLY REPORT FORM

4500

1699

U.S. DEPARTMENT OF ENERGY 1IO00004001 AUG 1998 1 2 03/24/90 OH0009580
Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704 Hamilton

4001 PARSHALL FLUME, EFFLUENT TO GREAT MIAMI RIVER

FORM

	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	FLUORIDE TOTAL MG/L
	50050	00402	00401	00010	00530	00300	00550	00610	00630	00951
01	5.342	7.1	7.2	14	AA					
02	5.495	7.1	7.2	14	AA	9.6	AA	AA	1.4	0.29
03	5.341	7.0	7.1	14	AA					
04	5.405	6.8	6.9	14	AA					
05	4.529	6.8	7.1	14	AA					
06	5.310	7.0	7.1	15	2.6					
07	5.277	6.9	7.1	15	AA					
08	4.862	6.9	7.1	14	AA					
09	5.189	6.9	7.1	12	AA					
10	5.805	6.9	7.1	14	AA	9.6	AA	AA	2.2	0.31
11	5.022	7.0	7.1	15	AA					
12	4.674	6.9	7.1	16	AA					
13	3.532	7.1	7.2	12	AA					
14	4.039	7.0	7.2	14	AA					
15	3.797	7.0	7.4	13	AA					
16	5.812	6.9	7.2	13	AA					
17	5.822	6.9	7.2	14	AA					
18	5.714	7.0	7.2	13	AA	8.0	AA	AA	1.4	0.26
19	5.774	7.0	7.2	13	AA					
20	5.819	7.0	7.2	14	AA					
21	5.717	6.9	7.2	15	AA					
22	5.735	7.0	7.2	13	AA					
23	5.796	7.1	7.2	13	AA					
24	5.869	7.0	7.0	14	AA					
25	5.368	7.0	7.2	14	AA					
26	5.133	7.0	7.3	13	AA	9.6	AA	AA	1.6	0.34
27	5.421	6.9	7.1	13	AA					
28	5.391	7.0	7.1	13	AA					
29	5.739	7.1	7.1	12	AA					
30	5.569	7.1	7.1	12	AA					
31	5.684	7.1	7.1	11	AA					
	163.982	N/A	N/A	N/A	62.6	36.8	AA	AA	6.6	1.20
	5.290	N/A	N/A	14	2.0	9.2	AA	AA	1.7	0.30
	5.869	7.1	7.4	16	2.6	9.6	AA	AA	2.2	0.34
	3.532	6.8	6.9	11	AA	8.0	AA	AA	1.4	0.26

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

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

1I000004001 AUG 1998 2 2 03/24/90 OH000958

4001 PARSHALL FLUME, EFFLUENT TO GREAT MIAMI RIVER

FORM

	2	3	2
	998	1	998
	COPPER TOT,REC UG/L	CHROMI HEX-DS UG/L	C-BOD 5 DAY MG/L
	01119	01220	80082
01			
02	AA	AA	
03			AA
04			
05			
06			
07			
08			
09			
10	2.8	AA	AA
11			
12			
13			
14			
15			
16			
17			AA
18	AA	AA	
19			
20			
21			
22			
23			
24			AA
25			
26	AA	AA	
27			
28			
29			
30			
31			AA
	14.2	AA	AA
	3.6	AA	AA
	5.2	AA	AA
	AA	AA	AA

AA: 01119 - 2.6 ug/L; 01220 - 6.0 ug/L; 80082 - 2.0 mg/L.

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

1IO00004002 AUG 1998 1 2 03/24/90 OH0009580

4002 SPILLWAY FROM STORMWATER RETENTION BASIN

FORM

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
50050	00400	00530	00550	00610	00630	00665	00951	01074	01079

NO WATER OVERFLOWED FROM THE STORMWATER RETENTION BASIN.

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

1I000004002 AUG 1998 2 2 03/24/90 OH0009580

4002 SPILLWAY FROM STORMWATER RETENTION BASIN

FORM

2	2	3	2
4	4	1	4
CHROMI TOT,REC UG/L	COPPER TOT,REC UG/L	CHROMI HEX-DS UG/L	CHLORINE TOT,RESI MG/L
01118	01119	01220	50060

NO WATER OVERFLOWED FROM THE STORMWATER RETENTION BASIN.

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9005 M 9009 900212
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U.S. DEPARTMENT OF ENERGY
Fernald Environmental
Management Project
P.O. Box 538704
Cincinnati, OH 45253-8704 Hamilton

1I000004589 AUG 1998 1 1 03/24/90 OH0009580

4589 SEWAGE SLUDGE AFTER DEWATERING

FORM

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
01028	01029	01043	01052	01068	01093	70316	71921

NO SLUDGE REMOVED DURING MONTH.

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9002 M 9501 900212

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U.S. DEPARTMENT OF ENERGY 1IO00004601 AUG 1998 1 1 03/24/90 OH0009580

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

4601 SEWAGE TREATMENT PLANT EFFLUENT

FORM

	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
	50050	00400	80082	00530	00610	31616
01	0.022	6.6				
02	0.026	6.5			0.14	AA
03	0.056	6.9	2.7	9.8		
04	0.053	6.9				
05	0.051	6.9	6.1	45.8		
06	0.052	6.5				
07	0.032	6.8				
08	0.031	6.6				
09	0.030	6.5				
10	0.063	6.9	5.1	54.0		AA
11	0.066	6.7				
12	0.053	6.5	4.0	18.0		
13	0.050	6.6				
14	0.030	6.9				
15	0.024	6.6				
16	0.017	6.6				
17	0.052	6.5	4.6	48.8		AA
18	0.039	6.7			0.17	
19	0.039	6.5	3.2	25.6		
20	0.062	6.6				
21	0.049	6.5				
22	0.017	6.2				
23	0.017	6.5				AA
24	0.057	6.7	9.6	66.8		
25	0.061	6.6				
26	0.049	6.6	4.5	35.2		
27	0.064	6.8				
28	0.026	6.5				
29	0.028	6.5				
30	0.017	6.8				
31	0.050	6.6	7.3	46.0		
	1.283	N/A	47.1	350.0	0.31	AA
	0.041	N/A	5.3	39.6	0.16	AA
	0.066	6.9	9.6	66.8	0.17	AA
	0.017	6.2	2.7	9.8	0.14	AA

AA: 00530 - 2.0 mg/L; 00610 - 0.10 mg/L; 31616 - 20- colonies/100ml;
AA: 80082 - 2.0 mg/L.

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