

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 001  
 Reported Date (Month Year) : March 2002

Application : 11000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - PARSHALL FLUME

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

Day	(1)	3	2	3	2	2	2
	(2)	1	998	1	998	998	998
	(00530) Total Suspended Solids mg/l	(00550) Oil and Grease, Total mg/l	(00610) Nitrogen, Ammonia (NH3) mg/l	(00719) Cyanide, Free mg/l	(00979) Cobalt, Total Recoverable ug/l	(01055) Manganese, Total (Mn) ug/l	(01074) Nickel, Total Recoverable ug/l
01	AA			AA			AA
02	AA						
03	2.4						
04	AA	AA	3.51	AA	AA	99.8	AA
05	AA						
06	AA						
07	AA	AA	0.93	AA	AA	91.9	AA
08	AA						
09	AA			AA			AA
10	AA						
11	AA	AA	3.53	0.00585	AA	91.8	AA
12	2						
13	AA	AA	2.33	AA	AA	93.5	AA
14	2						
15	AA	AA	1.4	AA	AA	93.5	3.3
16	AA						
17	AA						
18	AA	AA	9.35	AA	AA	121	4
19	AA						
20	AA			AA			3.6
21	AA						
22	AA	AA	5.05	0.0088	AA	103	4
23	AA						
24	AA						
25	AA			AA			AA
26	AA						
27	AA	AA	1.99	AA	AA	109	5.1
28	AA						
29	2.4						
30	AA						
31	AA						
TOTAL	8.8	0	28.09	0.0147	0	803.5	20
AVG	0.2839	0	3.5112	0.0012	0	100.4375	1.6667
MAX	2.4	0	9.35	0.0088	0	121	5.1
MIN	0	0	0.93	0	0	91.8	0

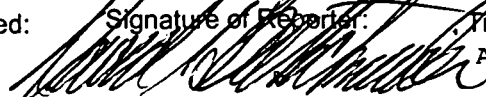
Additional Remarks :

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Form No EPA 4500 (8-91)

Formerly EPA SURI

Date Report Completed:  
04/18/2002

Signature of Reporter: 

Title of Reporter:  
ARWWP PROJECT MANAGER

1

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 001  
 Reported Date (Month Year) : March 2002

Application : 11O00004\*FD

04/18/2002

Page 2 of 4

Sampling Station Description :  
 FINAL OUTFALL - PARSHALL FLUME

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

(1)	2	2	2	3	2	2	2
(2)	998	998	998	1	998	998	998
Day	(01079) Silver, Total Recoverable ug/l	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(34675) 2,3,7,8 TCDD pg/l	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l
01	AA	4.2	AA		AA	1.9	2.5
02							
03							
04	AA	5.3	AA		AA	1.8	5.9
05							
06				AA			
07	AA	AA	AA		AA	2.2	AA
08							
09	AA	AA	AA		AA	1.6	AA
10							
11	AA	AA	AA		AA	1.2	AA
12							
13	AA	10.7	AA		AA	2.2	5.4
14							
15	AA	AA	AA		AA	AA	AA
16							
17							
18	0.32	AA	AA		AA	0.8	4.8
19							
20	AA	AA	AA		AA	AA	3
21							
22	AA	4.5	AA		AA	AA	6.3
23							
24							
25	0.48	25.9	AA		AA	AA	6.2
26							
27	AA	AA	AA		AA	AA	AA
28							
29							
30							
31							
TOTAL	0.8	50.6	0	0	0	11.7	34.1
AVG	0.0667	4.2167	0	0	0	0.975	2.8417
MAX	0.48	25.9	0	0	0	2.2	6.3
MIN	0	0	0	0	0	0	0

Additional Remarks :

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 001  
 Reported Date (Month Year) : March 2002

Application : 11000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - PARSHALL FLUME

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

(1)	3	3	3	1	3	3	2
(2)	1	1	1	999	1	1	998
Day	(39032) Pentachloropheno ug/l	(39120) Benzidine, Total ug/l	(39400) Toxaphene, Total ug/l	(50050) Flow Rate MGD	(50060) Chlorine, Total Residual mg/l	(78391) Trichloroethene ug/l	(80082) CBOD 5 day mg/l
01				5.695			
02				5.433			
03				5.579			
04				6.201	AA		AA
05				6.066			
06	AA	AA	AA	6.521	AA	AA	
07				5.751	AA		AA
08				6.127			
09				6.266			
10				5.945			
11				5.872	AA		AA
12				4.892	AA		
13				5.724	AA		AA
14				5.545			
15				5.533	AA		AA
16				5.861			
17				6.164			
18				6.133	AA		AA
19				6.396	AA		
20				6.194			
21				6.143			
22				6.396	AA		AA
23				5.957			
24				5.843			
25				5.924			
26				6.149			
27				6.533	AA		AA
28				6.516	AA		
29				6.285			
30				6.69			
31				6.113			
TOTAL	0	0	0	186.447	0	0	0
AVG	0	0	0	6.0144	0	0	0
MAX	0	0	0	6.69	0	0	0
MIN	0	0	0	4.892	0	0	0

Additional Remarks :

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 001  
 Reported Date (Month Year) : March 2002

Application :  
 11000004\*FD

04/18/2002

Page 4 of 4

Sampling Station Description :  
 FINAL OUTFALL - PARSHALL FLUME

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

(1)	3	3	3	1	1		
(2)	1	1	1	999	999		
Day	(99992) Mercury, Total Recoverable ug/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00401) pH, Maximum S.U.	(00402) pH, Minimum S.U.		
01		10.4		6.9	6.9		
02		10.4		6.9	6.9		
03		9.9		6.9	6.9		
04		9.8	7.2	6.8	6.8		
05		9.7		7.5	6.9		
06	0.00137	9.9		6.8	6.8		
07		10.6	7.2	6.8	6.8		
08		10.8		6.8	6.8		
09		10.6		6.8	6.8		
10		10.3		6.8	6.8		
11		10.4	7.3	6.8	6.8		
12		10.7		6.8	6.8		
13		10.7	8.5	6.8	6.8		
14		10.9		6.8	6.8		
15		10.8	8.1	6.8	6.8		
16		10.5		6.8	6.8		
17		10.2		6.8	6.8		
18		10.4	6.38	6.8	6.8		
19		10.4		6.8	6.7		
20		10.4		6.8	6.8		
21		10		6.7	6.7		
22		9.8	6.06	6.8	6.7		
23		10.1		6.8	6.7		
24		10.2		6.7	6.7		
25		10.1		6.7	6.7		
26		9.1		6.7	6.7		
27		9.5	6.8	6.7	6.7		
28		9.8		6.7	6.7		
29		10.4		6.7	6.7		
30		10.7		6.7	6.6		
31		10.7		6.7	6.7		
TOTAL	0.0014	318.2	57.54	210.9	209.9	0	0
AVG	0.0014	10.2645	7.1925				
MAX	0.00137	10.9	8.5	7.5	6.9		
MIN	0.00137	9.1	6.06	6.7	6.6		

Additional Remarks :

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 002  
 Reported Date (Month Year) : March 2002

Application : 11O00004\*FD

04/18/2002

Page 1 of 1

Sampling Station Description :  
 BYPASS MONITORING - SWRB OVERFLOW

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

Day	(1) (2) (01119) Copper, Total Recoverable ug/l	(2) (3) (50050) Flow Rate ug/l	(3) (1) (00401) pH, Maximum ug/l	(3) (1) (00402) pH, Minimum ug/l	(2) (3) (00530) Total Suspended Solids ug/l	(3) (1) (50060) Chlorine, Total Residual ug/l	(3) (1) (99992) Mercury, Total Recoverable ug/l
01	AL						
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	0	0	0	0	0	0	0
AVG	0						
MAX	0						
MIN	0						

Additional Remarks :

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Form No EPA 4500 (8-91)

Formerly EPA SURI

Date Report Completed:  
 04/18/2002

Signature of Reporter:  


Title of Reporter:  
 ARWWP PROJECT MANAGER

5

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 601  
 Reported Date (Month Year) : March 2002

Application : 11000004\*FD

04/18/2002

Page 1 of 1

Sampling Station Description :  
 INTERNAL MONITORING STATION - SEWAGE TREATMENT PLANT

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

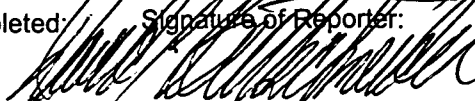
(1) (2)	3	2	1	2			
	(00400) pH S.U.	(00530) Total Suspended Solids mg/l	(50050) Flow Rate MGD	(80082) CBOD 5 day mg/l			
Day							
01	6.38		0.0375				
02	6.5		0.043				
03	6.71		0.039				
04	6.86	19	0.0435	3.92			
05	7.13		0.0407				
06	6.94	15.2	0.0578	8.2			
07	6.73		0.058				
08	6.95		0.049				
09	6.66		0.039				
10	6.85		0.048				
11	7.17		0.054				
12	6.86	12	0.0555	3.2			
13	6.6		0.0525				
14	6.59	5.6	0.055	4.27			
15	6.41		0.0462				
16	6.79		0.0717				
17	7.16		0.062				
18	7.03	22	0.0595	5.7			
19	6.9		0.0651				
20	6.75	36	0.0946	5.2			
21	6.81		0.081				
22	7.16	32	0.0589	4.1			
23	6.78		0.058				
24	7.26		0.049				
25	6.91		0.071				
26	7.11		0.107				
27	6.74	14.4	0.07	2.11			
28	6.93		0.085				
29	6.99		0.0759				
30	7.04		0.0522				
31	6.64		0.0304				
TOTAL	212.34	156.2	1.81	36.7	0	0	0
AVG	6.8497	19.525	0.0584	4.5875			
MAX	7.26	36	0.107	8.2			
MIN	6.38	5.6	0.0304	2.11			

Additional Remarks :

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Form No EPA 4500 (8-91)  
 Formerly EPA SURI  
Generalized by SWMS

Date Report Completed: 04/18/2002

Signature of Reporter: 

Title of Reporter: ARWWP PROJECT MANAGER

6

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 801  
 Reported Date (Month Year) : March 2002  
 Application : 11000004\*FD

04/18/2002

Page 1 of 3


Sampling Station Description :  
 UPSTREAM MONITORING - UPSTREAM OF OUTFALL 11000004001

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
Day	(00900) Hardness, Total (CaCO3) mg/l	(00400) pH S.U.	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00610) Nitrogen, Ammonia (NH3) mg/l	(00979) Cobalt, Total Recoverable ug/l	(01055) Manganese, Total (Mn) ug/l
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18	277.2	8.77	AH	10.48	0.23	AA	47.8
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	277.2	8.77	0	10.48	0.23	0	47.8
AVG	277.2	8.77	0	10.48	0.23	0	47.8
MAX	277.2	8.77	0	10.48	0.23	0	47.8
MIN	277.2	8.77	0	10.48	0.23	0	47.8

Additional Remarks :  
 AH: SAMPLE WAS NOT COLLECTED DUE TO ADMINISTRATIVE OVERSIGHT.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date Report Completed: 04/18/2002	Signature of Reporter: 	Title of Reporter: ARWWP PROJECT MANAGER	7
--------------------------------------	--	---	---

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH 45013940

Station Code : 801  
 Reported Date (Month Year) : March 2002

Application :  
 11000004\*FD

Sampling Station Description :  
 UPSTREAM MONITORING - UPSTREAM OF OUTFALL 11000004001

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

	3	3	3	3	3	3	3
(1)	1	1	1	1	1	1	1
(2)	1	1	1	1	1	1	1
Day	(01074) Nickel, Total Recoverable ug/l	(01079) Silver, Total Recoverable ug/l	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18	4	AA	15.6	AA	AA	AA	6
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
<b>TOTAL</b>	4	0	15.6	0	0	0	6
<b>AVG</b>	4	0	15.6	0	0	0	6
<b>MAX</b>	4	0	15.6	0	0	0	6
<b>MIN</b>	4	0	15.6	0	0	0	6

Additional Remarks :

AH: SAMPLE WAS NOT COLLECTED DUE TO ADMINISTRATIVE OVERSIGHT.

8



Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 801  
 Reported Date (Month Year) : March 2002

Application : 11O00004\*FD

04/18/2002

Sampling Station Description :  
 UPSTREAM MONITORING - UPSTREAM OF OUTFALL 11O00004001

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

	(1)	(2)	Mercury, Total Recoverable ug/l				
	3	1	(99992)				
Day							
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18			0.00875				
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	0.0088	0	0	0	0	0	0
AVG	0.0088						
MAX	0.00875						
MIN	0.00875						

Additional Remarks :

AH: SAMPLE WAS NOT COLLECTED DUE TO ADMINISTRATIVE OVERSIGHT.

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code :  
 902

Reported Date (Month Year) :  
 March 2002

Application :  
 11000004\*FD

04/18/2002

Sampling Station Description :

DOWNSTREAM - NEARFIELD MONITORING - DOWNSTREAM OF OUTFALL 11000004001

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

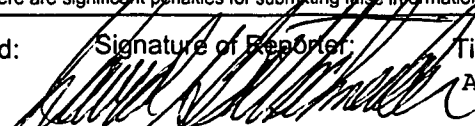
(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
Day	(99992) Mercury, Total Recoverable ug/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00400) pH S.U.	(00610) Nitrogen, Ammonia (NH3) mg/l	(00900) Hardness, Total (CaCO3) mg/l	(00979) Cobalt, Total Recoverable ug/l
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18	0.0118	AH	12.5	8.64	0.12	282.8	AA
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	0.0118	0	12.5	8.64	0.12	282.8	0
AVG	0.0118	0	12.5	8.64	0.12	282.8	0
MAX	0.0118	0	12.5	8.64	0.12	282.8	0
MIN	0.0118	0	12.5	8.64	0.12	282.8	0

Additional Remarks :

AH: SAMPLE WAS NOT COLLECTED DUE TO ADMINISTRATIVE OVERSIGHT.

I certify under the penalty of law that I have personally examined and am familiar with the information submitted and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Date Report Completed:  
 04/18/2002

Signature of Reporter:  


Title of Reporter:  
 ARWWP PROJECT MANAGER

10

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 902  
 Reported Date (Month Year) : March 2002

Application : 11O00004\*FD

04/18/2002

Sampling Station Description :  
 DOWNSTREAM - NEARFIELD MONITORING - DOWNSTREAM OF OUTFALL 11O00004001

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

(1)	3	3	3	3	3	3	3
(2)	1	1	1	1	1	1	1
Day	(01055) Manganese, Total (Mn) ug/l	(01074) Nickel, Total Recoverable ug/l	(01079) Silver, Total Recoverable ug/l	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18	46.4	5.7	0.48	14	AA	AA	AA
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	46.4	5.7	0.48	14	0	0	0
AVG	46.4	5.7	0.48	14	0	0	0
MAX	46.4	5.7	0.48	14	0	0	0
MIN	46.4	5.7	0.48	14	0	0	0

Additional Remarks :

AH: SAMPLE WAS NOT COLLECTED DUE TO ADMINISTRATIVE OVERSIGHT.

Name, Address City, County, ZIP :  
 Fernald Environmental Management Project  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 902  
 Reported Date (Month Year) : March 2002

Application :  
 11O00004\*FD

04/18/2002

Sampling Station Description :  
 DOWNSTREAM - NEARFIELD MONITORING - DOWNSTREAM OF OUTFALL 11O00004001

in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

Day	(1) (2) (01119) Copper, Total Recoverable ug/l					
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18	5.7					
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
TOTAL	5.7	0	0	0	0	0
AVG	5.7					
MAX	5.7					
MIN	5.7					

Additional Remarks :  
 AH: SAMPLE WAS NOT COLLECTED DUE TO ADMINISTRATIVE OVERSIGHT.

**Harootyan, Brian**

---

**From:** Web Mail Admin [daemon@demboy.epa.state.oh.us]  
**Sent:** Thursday, April 18, 2002 2:14 PM  
**To:** Brian.Harootyan@fernald.gov

Ohio EPA - Electronic Data Submission Receipt  
-----

System: SWIMWARE Version: 1.0.0

Fernald Environmental Management Project

7400 Willey Road

Hamilton OH 450139402

(513)-6484202

The following file was received on Thu Apr 18 14:13:48 2002

\*-----\*  
Email attachment(s):  
1471991.ZIP (application/octet-stream)

\*-----\*  
If you have any questions regarding this receipt or your data  
transmission,  
please call the SWIMware Help Line at: (614) 644-2050  
or send e-mail to: jeffrey.boyles@epa.state.oh.us.