

Landrum, Marlene

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**From:** Siefert, Caran  
**Sent:** Thursday, July 20, 2000 2:47 PM  
**To:** 'swimware@www.epa.state.oh.us'  
**Cc:** Brettschneider, David; Hertel, William; Johnston, Frank; Landrum, Marlene; Nickel, Kathi; Skintik, Ed; Siefert, Caran  
**Subject:** JUNE 2000 Discharge Monitoring Reports



9323924.ZIP

Attached are the electronic submittals of the June 2000 DMR reports.

Internal distribution will be via hard copy at a later date. If you have any questions, please contact Marlene Landrum at (513) 648-4197.

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 001  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 11000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - Parshall Flume

**- 3117**

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

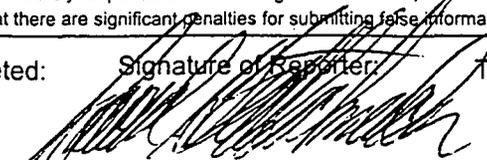
Day	(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(34675) 2,3,7,8 TCDD pg/l	(39032) Pentachlorophenol ug/l	(39120) Benzidine, Total ug/l	(39400) Toxaphene, Total ug/l
	(1) 2	2	2	3	3	3	3
	(2) 998	998	998	1	1	1	1
01	AA	AA	AA				
02							
03							
04							
05				AA	AA		AA
06	AA	1.7	2				
07	AA	AA	AA				
08							
09							
10							
11	AA	1.4	AA				
12							
13	AA	1.8	2.5				
14	AA	1.6	1.4				
15							
16	AA	AA	1.5				
17							
18							
19	7.4	3.6	4.4				
20							
21	3.6	AA	3.2				
22							
23	AA	AA	3.5				
24							
25							
26	AA	AA	2.2				
27							
28	AA	AA	2.8				
29						AA	
30							
31							
TOTAL	11	10.1	23.5	0	0	0	0
AVG	0.9167	0.8417	1.9583	0	0	0	0
MAX	7.4	3.6	4.4	0	0	0	0
MIN	0	0	0	0	0	0	0

Additional Remarks :

**000002**

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: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
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Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 001  
 Reported Date (Month Year) : June 2000

Application : 11000004\*FD  
 07/19/2000

Sampling Station Description :  
 FINAL OUTFALL - Parshall Flume

3117

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	2	3	3	3
	(2)	1	1	998	1	1	1
	(50050)	(50060)	(78391)	(80082)	(99992)	(00010)	(00300)
Day	Flow Rate MGD	Chlorine, Total Residual mg/l	Trichloroethene ug/l	CBOD 5 day mg/l	Mercury, Total Recoverable ug/l	Water Temperature C	Dissolved Oxygen mg/l
01	3.04	AA		AA		13	6.2
02	4.06	AA				19	
03	6.04					19	
04	6.173					16	
05	5.778		AA		AA	18	
06	5.149					14	
07	4.071	AA		AA		13	8.5
08	3.864					13	
09	3.883	AA				22	
10	4.585					21	
11	5.082	AA		AA		18	9.5
12	4.955					22	
13	5.101	AA		AA		22	8.2
14	4.445					11	
15	4.321	AA				11	
16	4.954					11	
17	5.66					13	
18	5.763					12	
19	5.947	AA		AA		13	8.3
20	5.926					13	
21	6.411	AA		AA		14	7.5
22	6.576					14	
23	6.491	AA		AA		14	7.1
24	6.577					13	
25	6.034					13	
26	5.704					12	
27	5.166	AA				13	
28	5.464	AA		AA		11	8.8
29	4.769					11	
30	5.061					11	
31							
TOTAL	157.05	0	0	0	0	440	64.1
AVG	5.235	0	0	0	0	14.6667	8.0125
MAX	6.577	0	0	0	0	22	9.5
MIN	3.04	0	0	0	0	11	6.2

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 001  
 Reported Date (Month Year) : June 2000  
 Sampling Station Description :  
 FINAL OUTFALL - Parshall Flume

Application : 07/19/2000  
 11000004\*FD

**-3117**

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)	(4)	(5)	(6)	(7)
Day	(00401) pH, Maximum S.U.	(00402) pH, Minimum S.U.	(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
01	6.7	6.6	AA	AA	AA	AA	2.3
02	6.7	6.6	AA				
03	7	6.7	AA				
04	6.9	6.7	AA				
05	7.8	6.4	AA				
06	7.2	7.1	AA		AA	AA	
07	7.2	7	AA	AA	AA	AA	3.3
08	7	6.8	AA				
09	6.9	6.9	AA				
10	7	6.9	AA				
11	7	6.9	AA	AA	AA	AA	3.9
12	7	6.9	AA				
13	7	6.8	AA	AA	AA	AA	1.8
14	6.8	6.8	AA		AA	AA	
15	6.8	6.8	AA				
16	6.8	6.8	AA		AA	AA	
17	6.8	6.8	AA				
18	6.8	6.7	AA				
19	6.8	6.7	AA	AA	AA	AA	AA
20	6.8	6.8	AA				
21	6.8	6.7	AA	AA	AA	AA	AA
22	6.7	6.7	2.4				
23	6.7	6.7	AA	AA	0.61	AA	AA
24	6.7	6.7	AA				
25	6.7	6.6	AA				
26	6.7	6.7	AA		0.32	AA	
27	6.7	6.7	AA				
28	6.7	6.6	AA	AA	AA	AA	AA
29	6.9	6.7	AA				
30	7	6.9	AA				
31							
TOTAL	206.6	202.7	2.4	0	0.93	0	11.3
AVG			0.08	0	0.0775	0	1.4125
MAX	7.8	7.1	2.4	0	0.61	0	3.9
MIN	6.7	6.4	0	0	0	0	0

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 45013940

Station Code : 001  
 Reported Date (Month Year) : June 2000  
 Sampling Station Description :  
 FINAL OUTFALL - Parshall Flume

Application : 07/19/2000  
 11000004\*FD

- 3117

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	2	2		
(2)	998	998	998	998	998		
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		
01	140	AA	AA	AA	AA		
02							
03							
04							
05							
06		3.9	AA	AA	AA		
07	14.6	3.1	AA	AA	AA		
08							
09							
10							
11	4.8	4.8	0.52	AA	AA		
12							
13	36.2	4.7	AA	AA	AA		
14		4.2	AA	AA	AA		
15							
16		4.4	AA	AA	AA		
17							
18							
19	81	5.6	AA	AA	AA		
20							
21	75.8	6.5	AA	3.9	AA		
22							
23	86.3	AA	AA	10	2.1		
24							
25							
26		3.1	1.24	AA	AA		
27							
28	67.7	AA	AA	AA	AA		
29							
30							
31							
TOTAL	506.4	40.3	1.76	13.9	2.1	0	0
AVG	63.3	3.3583	0.1467	1.1583	0.175		
MAX	140	6.5	1.24	10	2.1		
MIN	4.8	0	0	0	0		

Additional Remarks :

Name, Address City, County, ZIP :  
FERNALD ENVIRONMENTAL MANAGEMENT  
PROJECT  
7400 Willey Road  
Hamilton OH4501394C

Station Code : 002  
Reported Date (Month Year) : June 2000

Application :  
11O00004\*FD

07/19/2000

Sampling Station Description :  
BYPASS MONITORING - SWRB overflow

3117

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

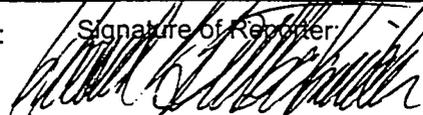
TOTAL	0	0	0	0	0	0	0	0
AVG	0							
MAX	0							
MIN	0							

Additional Remarks :

000006

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: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
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Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 003  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 1I000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - Stormwater Runoff to Paddy's Run

3117

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

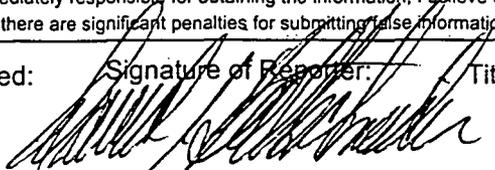
Day	(1) (2)	(00400) pH S.U.	(00530) Total Suspended Solids mg/l	(01079) Silver, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(31616) Fecal Coliform No./100ml	(50050) Flow Rate MGD	(50060) Chlorine, Total Residual mg/l
01	3 1		2 3	2 3	2 3	3 1	2 3	3 1
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19		7.4	35	AA	3.1	AK	4.493	AA
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								

TOTAL	7.4	35	0	3.1	0	4.493	0
AVG	7.4	35	0	3.1	0	4.493	0
MAX	7.4	35	0	3.1	0	4.493	0
MIN	7.4	35	0	3.1	0	4.493	0

Additional Remarks :

000007

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)	Date Report Completed: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
-------------------------	--------------------------------------	--	---

Formerly ERA SURI

Name, Address City, County, ZIP :  
FERNALD ENVIRONMENTAL MANAGEMENT  
PROJECT  
7400 Willey Road  
Hamilton OH 4501394C

Station Code : 003  
Reported Date (Month Year) : June 2000

Application : 07/19/2000  
1I000004\*FD

Sampling Station Description :  
FINAL OUTFALL - Stormwater Runoff to Paddy's Run

**3117**

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

(1)	3						
(2)	1						

(99992)

Mercury, Total  
Recoverable  
ug/l

Day

- 01
- 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

0.00578

TOTAL	0.0058	0	0	0	0	0	0
AVG	0.0058						
MAX	0.00578						
MIN	0.00578						

Additional Remarks :

Name, Address City, County, ZIP :  
FERNALD ENVIRONMENTAL MANAGEMENT  
PROJECT  
7400 Willey Road  
Hamilton OH4501394C

Station Code : 004  
Reported Date (Month Year): June 2000

Application : 11000004\*FD  
07/19/2000

Sampling Station Description :  
FINAL OUTFALL - Stormwater runoff from inactive flyash pile

3117

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	2	3	2
	(2)	3	3	3	3	1	3
	(00400)	(00530)	(01079)	(01114)	(01119)	(31616)	(50050)
	pH	Total Suspended Solids	Silver, Total Recoverable	Lead, Total Recoverable	Copper, Total Recoverable	Fecal Coliform No./100ml	Flow Rate
Day	S.U.	mg/l	ug/l	ug/l	ug/l		MGD
01							
02							
03							
04							
05	7.5	60	AA	5.4	2	AK	0.038
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	7.5	60	0	5.4	2	0	0.038
AVG	7.5	60	0	5.4	2	0	0.038
MAX	7.5	60	0	5.4	2	0	0.038
MIN	7.5	60	0	5.4	2	0	0.038

Additional Remarks :

000009

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 ERA SURI

Date Report Completed:  
07/19/2000

Signature of Reporter:

Title of Reporter:

ARWWP

Project Manager

Name, Address City, County, ZIP :  
FERNALD ENVIRONMENTAL MANAGEMENT  
PROJECT  
7400 Willey Road  
Hamilton OH4501394C

Station Code : 004  
Reported Date (Month Year) : June 2000

Application :  
1I000004\*FD

07/19/2000

Sampling Station Description :  
FINAL OUTFALL - Stormwater runoff from inactive flyash pile

3117

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

(1)	3						
(2)	1						

(71901)  
Mercury, Total  
Recoverable  
ug/l

Day

- 01
- 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

0.00234

TOTAL	0.0023	0	0	0	0	0	0
AVG	0.0023						
MAX	0.00234						
MIN	0.00234						

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 45013940

Station Code : 005  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 11000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - Stormwater runoff from production area

**3117**

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)	2	2	2	3	2	3
	(00400) pH S.U.	(00530) Total Suspended Solids mg/l	(01079) Silver, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(31616) Fecal Coliform No./100ml	(50050) Flow Rate MGD	(50060) Chlorine, Total Residual mg/l
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12	7.5	196	AA	6	AK	0.231	AA
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
<b>TOTAL</b>	7.5	196	0	6	0	0.231	0
<b>AVG</b>	7.5	196	0	6	0	0.231	0
<b>MAX</b>	7.5	196	0	6	0	0.231	0
<b>MIN</b>	7.5	196	0	6	0	0.231	0

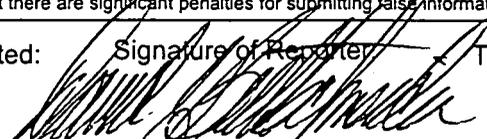
Additional Remarks :

**000011**

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 SUR1

Date Report Completed: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
--------------------------------------	--	---

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 45013940

Station Code : 005  
 Reported Date (Month Year) : June 2000

Application : 11000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - Stormwater runoff from production area

**3117**

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

(1)	3						
(2)	1						

(71901)  
 Mercury, Total  
 Recoverable  
 ug/l

- Day
- 01
- 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

0.00581

TOTAL	0.0058	0	0	0	0	0	0
AVG	0.0058						
MAX	0.00581						
MIN	0.00581						

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 006  
 Reported Date (Month Year) : June 2000  
 Application : 11000004\*FD

Sampling Station Description :  
 FINAL OUTFALL - Stormwater runoff from north end of property

**3117**

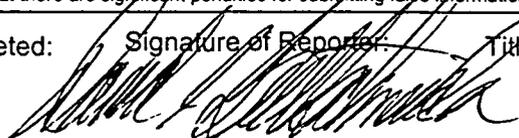
in(1) - Enter 1 for Continuous, 2 for Composite, 3 for Grab Sample	Reporting Lab :	Analyst :
in(2) - Enter frequency of sampling		

Day	(00400) pH S.U.	(00530) Total Suspended Solids mg/l	(01079) Silver, Total Recoverable ug/l	(01114) Lead, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(31616) Fecal Coliform No./100ml	(50050) Flow Rate MGD
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12	7.1	13	AA	AA	AA	AK	0.701
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
TOTAL	7.1	13	0	0	0	0	0.701
AVG	7.1	13	0	0	0	0	0.701
MAX	7.1	13	0	0	0	0	0.701
MIN	7.1	13	0	0	0	0	0.701

Additional Remarks :

**000013**

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: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
--------------------------------------	--	---

Name, Address City, County, ZIP :  
FERNALD ENVIRONMENTAL MANAGEMENT  
PROJECT  
7400 Willey Road  
Hamilton OH4501394C

Station Code :  
006

Reported Date (Month Year):  
June 2000

Application :  
1IO00004\*FD

Sampling Station Description :  
FINAL OUTFALL - Stormwater runoff from north end of property

3117

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					
(2)	1	1					

(50060) Chlorine, Total Residual mg/l  
 (71901) Mercury, Total Recoverable ug/l

Day  
01  
02  
03  
04  
05  
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24  
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26  
27  
28  
29  
30  
31

AA 0.00217

TOTAL	0	0.0022	0	0	0	0	0
AVG	0	0.0022					
MAX	0	0.00217					
MIN	0	0.00217					

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 601  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 1IO00004\*FD

Sampling Station Description :  
 INTERNAL MONITORING STATION - Sewage treatment plant

**3117**

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	2	3	1	
(2)	998	1	998	998	1	999	
	(80082) CBOD 5 day mg/l	(00400) pH S.U.	(00530) Total Suspended Solids mg/l	(00610) Nitrogen, Ammonia (NH3) mg/l	(31616) Fecal Coliform No./100ml	(50050) Flow Rate MGD	
01	3.3	6.5	14			0.056	
02		6.2				0.038	
03		6.3				0.021	
04		6.5				0.02	
05		6.6			AA	0.04	
06		6.4				0.048	
07	2.3	6.3	14	0.47		0.042	
08		6.4				0.041	
09		6.2				0.013	
10		6.3				0.021	
11	AA	6.4	4			0.02	
12		6.6			AA	0.055	
13	3	6.5	5.2			0.037	
14		6.3				0.042	
15		6.2				0.064	
16		6.8				0.068	
17		6.8				0.076	
18		6.8				0.04	
19	AA	6.9	2	0.11	AA	0.054	
20		6.5				0.056	
21	AA	6.4	5.6			0.061	
22		6.4				0.11	
23	2.1	6.6	11.6			0.061	
24		6.4				0.02	
25		6.7				0.03	
26		6.5			AA	0.049	
27		6.5				0.053	
28	AA	6.5	15.2			0.054	
29		6.4				0.044	
30		6.4				0.034	
31							
TOTAL	10.7	194.3	71.6	0.58	0	1.368	0
AVG	1.3375	6.4767	8.95	0.29	1	0.0456	
MAX	3.3	6.9	15.2	0.47	0	0.11	
MIN	0	6.2	2	0.11	0	0.013	

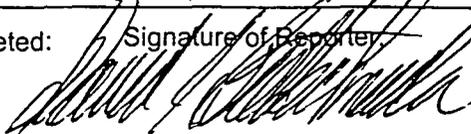
Additional Remarks :

**000015**

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: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
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Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH4501394C

Station Code : 801  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 11000004\*FD

Sampling Station Description :  
 UPSTREAM MONITORING - Upstream of outfall 11000004001

**3117**

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)	3	3	3	3	3	3	
		(00610) Nitrogen, Ammonia (NH3) mg/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00400) pH S.U.	(00900) Hardness, Total (CaCO3) mg/l	(00979) Cobalt, Total Recoverable ug/l	(0105E) Manganese, Total (Mn) ug/l
01								
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		AA	22	9	7.6	316	AA	50.4
29								
30								
31								
TOTAL		0	22	9	7.6	316	0	50.4
AVG		0	22	9	7.6	316	0	50.4
MAX		0	22	9	7.6	316	0	50.4
MIN		0	22	9	7.6	316	0	50.4

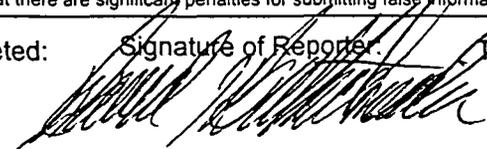
Additional Remarks :

**000016**

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 SUR1  
(Revised by SWMS)

Date Report Completed: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
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Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 45013940

Station Code : 801  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 11000004\*FD

Sampling Station Description :  
 UPSTREAM MONITORING - Upstream of outfall 11000004001

**3117**

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

Day	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	(2)	(2)	(2)	(2)	(2)	(2)	(2)
	(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							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	AA	AA	15	AA	15.1	3	8
29							
30							
31							
TOTAL	0	0	15	0	15.1	3	8
AVG	0	0	15	0	15.1	3	8
MAX	0	0	15	0	15.1	3	8
MIN	0	0	15	0	15.1	3	8

Additional Remarks :

Name, Address City, County, ZIP :  
FERNALD ENVIRONMENTAL MANAGEMENT  
PROJECT  
7400 Willey Road  
Hamilton OH 45013940

Station Code :  
801

Reported Date (Month Year) :  
June 2000

Application :  
11000004\*FD

07/19/2000

Sampling Station Description :  
UPSTREAM MONITORING - Upstream of outfall 11000004001

3117

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

(1)	3						
(2)	1						

(99992)

Mercury, Total  
Recoverable  
ug/l

Day

- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
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- 26
- 27
- 28
- 29
- 30
- 31

0.00617

TOTAL	0.0062	0	0	0	0	0	0
AVG	0.0062						
MAX	0.00617						
MIN	0.00617						

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 902  
 Reported Date (Month Year) : June 2000

Application : 07/19/2000  
 1I000004\*FD

Sampling Station Description :  
 DOWNSTREAM-NEARFIELD MONITORING - Downstream of outfall 1I000004001

**3117**

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)	(00610) Nitrogen, Ammonia (NH3) mg/l	(00010) Water Temperature C	(00300) Dissolved Oxygen mg/l	(00400) pH S.U.	(00900) Hardness, Total (CaCO3) mg/l	(00979) Cobalt, Total Recoverable ug/l	(01055) Manganese, Total (Mn) ug/l
01	3	1							
02	3	1							
03	3	1							
04	3	1							
05	3	1							
06	3	1							
07	3	1							
08	3	1							
09	3	1							
10	3	1							
11	3	1							
12	3	1							
13	3	1							
14	3	1							
15	3	1							
16	3	1							
17	3	1							
18	3	1							
19	3	1							
20	3	1							
21	3	1							
22	3	1							
23	3	1							
24	3	1							
25	3	1							
26	3	1							
27	3	1							
28	3	1	AA	23	7	7.9	308	2.3	51.4
29	3	1							
30	3	1							
31	3	1							
TOTAL			0	23	7	7.9	308	2.3	51.4
AVG			0	23	7	7.9	308	2.3	51.4
MAX			0	23	7	7.9	308	2.3	51.4
MIN			0	23	7	7.9	308	2.3	51.4

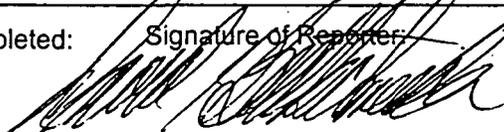
Additional Remarks :

**000019**

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 ERA SURI

Date Report Completed: 07/19/2000	Signature of Reporter: 	Title of Reporter: ARWWP Project Manager
--------------------------------------	--	---

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 902  
 Reported Date (Month Year) : June 2000  
 Application : 1I000004\*FD

Sampling Station Description :  
 DOWNSTREAM-NEARFIELD MONITORING - Downstream of outfall 1I000004001

**3117**

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	3	3	3	3	3	3
	1	1	1	1	1	1	1
	(01074)	(01079)	(01094)	(01113)	(01114)	(01118)	(01119)
	Nickel, Total Recoverable ug/l	Silver, Total Recoverable ug/l	Zinc, Total Recoverable ug/l	Cadmium, Total Recoverable ug/l	Lead, Total Recoverable ug/l	Chromium, Total Recoverable ug/l	Copper, Total Recoverable ug/l
Day							
01							
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	4.5	AA	11.9	2.2	4.8	3.9	7
29							
30							
31							

TOTAL	4.5	0	11.9	2.2	4.8	3.9	7
AVG	4.5	0	11.9	2.2	4.8	3.9	7
MAX	4.5	0	11.9	2.2	4.8	3.9	7
MIN	4.5	0	11.9	2.2	4.8	3.9	7

Additional Remarks :

Name, Address City, County, ZIP :  
 FERNALD ENVIRONMENTAL MANAGEMENT  
 PROJECT  
 7400 Willey Road  
 Hamilton OH 4501394C

Station Code : 902  
 Reported Date (Month Year) : June 2000

Application : 11000004\*FD  
 07/19/2000

Sampling Station Description :  
 DOWNSTREAM-NEARFIELD MONITORING - Downstream of outfall 11000004001

**3117**

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

(1)	3						
(2)	1						

(99992)  
 Mercury, Total  
 Recoverable  
 ug/l

Day  
 01  
 02  
 03  
 04  
 05  
 06  
 07  
 08  
 09  
 10  
 11  
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 18  
 19  
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 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31

0.00617

TOTAL	0.0062	0	0	0	0	0	0
AVG	0.0062						
MAX	0.00617						
MIN	0.00617						

Additional Remarks :