

MONTHLY REPORT FORM

4500

5467

Name, Address City, County, ZIP :  
 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH 45253870

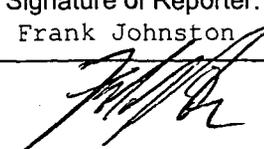
Station Code : 001  
 Reported Date (Month Year) : April 2004  
 Sampling Station Description :  
 Final Outfall

Application : 11000004\*GD  
 5/19/2004

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	1	2	3
	(2)	998	998	998	998	999	998	1
		(01114) Lead, Total Recoverable ug/l	(01118) Chromium, Total Recoverable ug/l	(01119) Copper, Total Recoverable ug/l	(01268) Antimony, Total Recoverable ug/l	(50050) Flow Rate MGD	(80082) CBOD 5 day mg/l	(50092) Mercury, Total (Low Level) ng/l
01		1.21	2.52	AA		6.407	AA	
02						7.191		
03						7.316		
04		1.2	2.65	AA		7.166	AA	
05						7.339		
06		1.21	2.63	AA	AA	7.091		
07						6.946		
08						7.066		
09						7.248		
10						7.395		
11		1.2	2.48	1.07		7.855	AA	
12						7.294		
13		1.35	2.6	3.26		7.004	AA	
14		AA	AA	1.14		7.06		
15						7.147		
16		AA	AA	3.46		6.865		
17						6.856		
18						6.892		
19		AA	AA	3.75		7.089	AA	
20						6.863		
21		AA	AA	3.69		6.827	AA	
22						6.649		
23		AA	AA	4.01		7.185	2.2	
24						6.982		
25						0.246		
26						9.127		
27		AA	AA	3.33		8.019		
28		AA	AA	3.25		7.131	AA	0.979
29						5.963		
30						6.05		
31								
TOTAL		6.17	12.88	26.96	0	206.269	2.2	0.979
AVG		0.5142	1.0733	2.2467	0	6.8756	0.275	0.979
MAX		1.35	2.65	4.01	0	9.127	2.2	0.979
MIN		0	0	0	0	0.246	0	0.979

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: 05/19/2004	Signature of Reporter: Frank Johnston 	Title of Reporter: Environmental Compliance
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MONTHLY REPORT FORM

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Name, Address City, County, ZIP :  
 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH 45253870

Station Code : 001  
 Reported Date (Month Year) : April 2004  
 Sampling Station Description :  
 Final Outfall

Application : 5/19/2004  
 11000004\*GD

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

(1) (2) Day	2 998 (00998) Beryllium, Total Recoverable	2 998 (00981) Selenium, Total Recoverable ug/l	2 998 (01062) Molybdenum (Mo) ug/l	3 1 (00010) Water Temperature C	3 1 (00300) Dissolved Oxygen mg/l	1 999 (61941) pH, Maximum S.U.	1 999 (61942) pH, Minimum S.U.
01		AA	5.38	10.4	6.23	6.9	6.8
02				10.4		6.9	6.8
03				10.4		6.9	6.8
04		AA	4.63	10.3	6.49	6.9	6.8
05				10.4		6.9	6.8
06	AA	AA	4.2	10.5		6.9	6.8
07				10.7		6.9	6.8
08				10.9		7.6	6.5
09				10.9		7	6.9
10				11.1		7.1	6.9
11		AA	4.04	11	6.23	7	6.9
12				10.4		6.9	6.8
13		AA	4.1	10.2	5.7	6.9	6.8
14		AA	6.88	10.3		6.9	6.8
15				10.5		6.9	6.8
16		AA	7.23	11		7.3	6.7
17				11.2		6.9	6.8
18				11.1		6.9	6.8
19		AA	9.05	11.2	6.13	7	6.8
20				11.2		7	6.8
21		AA	9	11	5.86	7	6.8
22				10.7		7	6.8
23		AA	6.73	11	6.08	7	6.9
24				11.2		7	6.9
25				11.5		7.1	6.9
26				11.1		7.1	6.9
27		AA	6.46	11		7.2	7
28		AA	6.68	11.1	6.14	7.1	6.8
29				11.4		7.1	6.9
30				11.3		6.9	6.8
31							
TOTAL	0	0	74.38	325.4	48.86	210.2	204.6
AVG	0	0	6.1983	10.8467	6.1075	N/A	N/A
MAX	0	0	9.05	11.5	6.49	7.6	7
MIN	0	0	4.04	10.2	5.7	6.9	6.5

54.47

MONTHLY REPORT FORM

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Name, Address City, County, ZIP :  
 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH4525387C

Station Code : 001  
 Reported Date (Month Year) : April 2004  
 Sampling Station Description :  
 Final Outfall

Application : 5/19/2004  
 I1000004\*GD

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	3	2	2	2
(2)	998	1	998	1	998	998	998
Day	(00530) Total Suspended Solids mg/l	(00556) Oil and Grease, Freon Extr-Grav Meth	(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	0.916		AA	136	2.1
02	AA						
03	AA						
04	2	AA	0.795		AA	133	3.05
05	2.8						
06	2.8			AA			2
07	2						
08	2						
09	AA						
10	4						
11	2.4	AA	0.571		AA	94.8	3.01
12	AA						
13	AA	1.79	0.808		AA	125	3.64
14	2.8						AA
15	4.4						
16	4						AA
17	3.2						
18	AA						
19	AA	AA	1.5		AA	110	AA
20	AA						
21	4	AA	1.28		AA	117	AA
22	2						
23	AA	AA	0.89		AA	106	AA
24	2						
25	2						
26	2.4						
27	AA						AA
28	AA	AA	0.791		AA	118	AA
29	AA						
30	AA						
31							
TOTAL	44.8	1.79	7.551	0	0	939.8	13.8
AVG	1.4933	0.2238	0.9439	0	0	117.475	1.15
MAX	4.4	1.79	1.5	0	0	136	3.64
MIN	0	0	0.571	0	0	94.8	0

000003

MONTHLY REPORT FORM

4500

5447

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 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH 4525387C

Station Code : 001  
 Reported Date (Month Year) : April 2004  
 Sampling Station Description :  
 Final Outfall

Application : 5/19/2004  
 IIO00004\*GD

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	2
(2)	998	998	998	998	998	998	998
Day	(01079) Silver, Total Recoverable ug/l	(01094) Zinc, Total Recoverable ug/l	(01113) Cadmium, Total Recoverable ug/l	(01022) Boron, Total (0) ug/l	(01009) Barium, Total Recoverable ug/l	(00978) Arsenic, Total Recoverable ug/l	(00951) Fluoride, Total (F) mg/l
01	AA	AA	AA		48.9		
02							
03							
04	AA	AA	AA		48.6		
05							
06	AA	AA	AA	47.2	48.1	6.96	0.29
07							
08							
09							
10							
11	AA	AA	AA		47.8		
12							
13	AA	AA	AA		46.2		
14	AA	AA	AA		46.6		
15							
16	AA	AA	AA		47.2		
17							
18							
19	AA	AA	AA		47.1		
20							
21	AA	AA	AA		47.2		
22							
23	AA	AA	AA		46.7		
24							
25							
26							
27	AA	6.88	AA		47.2		
28	AA	AA	AA		45.7		
29							
30							
31							
TOTAL	0	6.88	0	47.2	567.3	6.96	0.29
AVG	0	0.5733	0	47.2	47.275	6.96	0.29
MAX	0	6.88	0	47.2	48.9	6.96	0.29
MIN	0	0	0	47.2	45.7	6.96	0.29

000004

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 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH4525387C

Station Code : 001  
 Reported Date (Month Year) : April 2004  
 Sampling Station Description :  
 Final Outfall

Application :  
 1I000004\*GD

5/19/2004

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

	2	3				
(1)	998	1				
(2)	(00630) Nitrite Plus Nitrate, Total mg/l	(70301) Solids, Dissolved-Sum of mg/l				
Day						
01						
02						
03						
04						
05						
06	3.23	451				
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	3.23	451	0	0	0	0
AVG	3.23	451				
MAX	3.23	451				
MIN	3.23	451	0	0	0	0

000005

5447

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USDOE FERNALD ENVIRONMENTAL MGMT  
PROJ  
Fluor Fernald  
P.O. Box 538704  
Cincinnati OH 4525387C

Station Code : 001  
Reported Date (Month Year) : April 2004

Application : 11000004\*GD  
5/19/2004

Sampling Station Description :  
Final Outfall

Reporting Code	Result Date	Additional Remarks	Mdl
00530	04/01/2004		2.
00530	04/02/2004		2.
00530	04/03/2004		2.
00530	04/09/2004		2.
00530	04/12/2004		2.
00530	04/13/2004		2.
00530	04/18/2004		2.
00530	04/19/2004		2.
00530	04/20/2004		2.
00530	04/23/2004		2.
00530	04/27/2004		2.
00530	04/28/2004		2.
00530	04/29/2004		2.
00530	04/30/2004		2.
00556	04/01/2004		1.43
00556	04/04/2004		1.43
00556	04/11/2004		1.40
00556	04/19/2004		1.4
00556	04/21/2004		1.48
00556	04/23/2004		1.43
00556	04/28/2004		1.43
00719	04/06/2004		.002
00979	04/01/2004		1.
00979	04/04/2004		1.
00979	04/11/2004		1.
00979	04/13/2004		1.
00979	04/19/2004		1.
00979	04/21/2004		1.
00979	04/23/2004		1.
00979	04/28/2004		1.
00981	04/01/2004		5.
00981	04/04/2004		5.
00981	04/06/2004		5.
00981	04/11/2004		5.
00981	04/13/2004		5.
00981	04/14/2004		5.
00981	04/16/2004		5.
00981	04/19/2004		5.
00981	04/21/2004		5.

000006

5447

Reporting Code	Result Date	Additional Remarks	Mdl
00981	04/23/2004		5.
00981	04/27/2004		5.
00981	04/28/2004		5.
00998	04/06/2004		1.
01074	04/14/2004		1.
01074	04/16/2004		1.
01074	04/19/2004		1.
01074	04/21/2004		1.
01074	04/23/2004		1.
01074	04/27/2004		1.
01074	04/28/2004		1.
01079	04/01/2004		1.
01079	04/04/2004		1.
01079	04/06/2004		1.
01079	04/11/2004		1.
01079	04/13/2004		1.
01079	04/14/2004		1.
01079	04/16/2004		1.
01079	04/19/2004		1.
01079	04/21/2004		1.
01079	04/23/2004		1.
01079	04/27/2004		1.
01079	04/28/2004		1.
01094	04/01/2004		5.
01094	04/04/2004		5.
01094	04/06/2004		5.
01094	04/11/2004		5.
01094	04/13/2004		5.
01094	04/14/2004		5.
01094	04/16/2004		5.
01094	04/19/2004		5.
01094	04/21/2004		5.
01094	04/23/2004		5.
01094	04/28/2004		5.
01113	04/01/2004		1.
01113	04/04/2004		1.
01113	04/06/2004		1.
01113	04/11/2004		1.
01113	04/13/2004		1.
01113	04/14/2004		1.
01113	04/16/2004		1.
01113	04/19/2004		1.
01113	04/21/2004		1.
01113	04/23/2004		1.
01113	04/27/2004		1.
01113	04/28/2004		1.
01114	04/14/2004		1.

000007

Reporting Code	Result Date	Additional Remarks	Mdl
01114	04/16/2004		1.
01114	04/19/2004		1.
01114	04/21/2004		1.
01114	04/23/2004		1.
01114	04/27/2004		1.
01114	04/28/2004		1.
01118	04/14/2004		1.
01118	04/16/2004		1.
01118	04/19/2004		1.
01118	04/21/2004		1.
01118	04/23/2004		1.
01118	04/27/2004		1.
01118	04/28/2004		1.
01119	04/01/2004		1.
01119	04/04/2004		1.
01119	04/06/2004		1.
01268	04/06/2004		1.
80082	04/01/2004		2.
80082	04/04/2004		2.
80082	04/11/2004		2.
80082	04/13/2004		2.
80082	04/19/2004		2.
80082	04/21/2004		2.
80082	04/28/2004		2.

5447

000008

Name, Address City, County, ZIP :  
 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH4525387C

Station Code : 002  
 Reported Date (Month Year) : April 2004

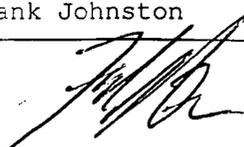
Application : 11000004\*GD  
 5/19/2004

Sampling Station Description :  
 Storm Water Retention Basin 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	2	3	3	3	3	3
	(2)	4	4	1	1	1	1	1
		(00533) Total Suspended Solids mg/l	(01042) Copper, Total (Cu ug/l	(50050) Flow Rate MGD	(61941) pH, Maximum S.U.	(50060) Chlorine, Total Residual mg/l	(50092) Mercury, Total (Low Level) ng/l	(61942) pH, Minimum S.U.
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			N/A			N/A
MAX		0						
MIN		0	0	0	0	0	0	0

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: 05/19/2004	Signature of Reporter:  Frank Johnston	Title of Reporter: Environmental Compliance
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000009

5487

MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP :  
USDOE FERNALD ENVIRONMENTAL MGMT  
PROJ  
Fluor Fernald  
P.O. Box 538704  
Cincinnati OH 45253870

Station Code :  
002

Reported Date (Month Year) :  
April 2004

Application :  
11000004\*GD

5/19/2004

Sampling Station Description :  
Storm Water Retention Basin Overflow

000010

Name, Address City, County, ZIP :  
 USDOE FERNALD ENVIRONMENTAL MGMT  
 PROJ  
 Fluor Fernald  
 P.O. Box 538704  
 Cincinnati OH 45253870

Station Code : 601  
 Reported Date (Month Year) : April 2004

Application : 11000004\*GD  
 5/19/2004

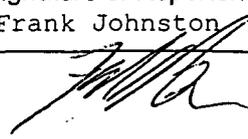
Sampling Station Description :  
 Sewage Treatment Plant Effluent (Internal to 001)

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

(1) (2)	1 999 (50050) Flow Rate MGD	3 1 (00400) pH S.U.	2 998 (00530) Total Suspended Solids mg/l	2 998 (80082) CBOD 5 day mg/l			
Day							
01	0.0303	6.21	29	7.4			
02	0.0383	6.3					
03	0.0185	6.21					
04	0.0234	6.22	48	10.9			
05	0.0327	6.61					
06	0.0297	6.5					
07	0.0277	6.57					
08	0.0203	6.55					
09	0.0336	6.86					
10	0.0181	6.48					
11	0.0163	6.54	12.4	7.6			
12	0.0254	6.68					
13	0.0206	6.43	29	8.6			
14	0.0328	6.4					
15	0.0297	6.43					
16	0.0389	6.46					
17	0.0328	6.36					
18	0.0009	6.6					
19	0.021	6.76	11	3.4			
20	0.0301	6.49					
21	0.024	6.51	14	AA			
22	0.0256	6.31					
23	0.0369	6.35	11	2.8			
24	0.0348	6.67					
25	0.0059	7.1					
26	0.0342	6.98					
27	0.0454	6.88					
28	0.059	6.8	12	AA			
29	0.0279	6.58					
30	0.0345	6.88					
31							
TOTAL	0.8493	196.72	166.4	40.7	0	0	0
AVG	0.0283	N/A	20.8	5.0875			
MAX	0.059	7.1	48	10.9			
MIN	0.0009	6.21	11	0	0	0	0

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: 05/19/2004	Signature of Reporter: Frank Johnston	Title of Reporter: Environmental Compliance
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000011

## MONTHLY REPORT FORM

4500

Name, Address City, County, ZIP : Station Code : Reported Date (Month Year) : Application : 5/19/2004  
USDOE FERNALD ENVIRONMENTAL MGMT 601 April 2004 1IQ00004\*GD  
PROJ  
Fluor Fernald Sampling Station Description :  
P.O. Box 538704 Sewage Treatment Plant Effluent (Internal to 001)  
Cincinnati OH 45253870

Reporting Code	Result Date	Additional Remarks	Mdl
80082	04/21/2004		2.
80082	04/28/2004		2.

000012