

5542

**OHIO ENVIRONMENTAL PROTECTION AGENCY NPDES REPORT - FEED
MATERIALS PRODUCTION CENTER (FMPC) (JUNE 1989)**

07/14/89

DOE-1328-89
DOE-FN OEPA
9
LETTER



Department of Energy

Oak Ridge Operations
P.O. Box 2001
Oak Ridge, Tennessee 37831-

5542

July 14, 1989
DOE-1328-89

Technical Records
Ohio Environmental Protection Agency
1800 Watermark Drive
P.O. Box 1049
Columbus, OH 43266-1049

Gentlemen:

**OHIO ENVIRONMENTAL PROTECTION AGENCY NPDES REPORT - FEED MATERIALS
PRODUCTION CENTER (FMPC)**

Enclosed are the completed Ohio Environmental Protection Agency (OEPA) NPDES forms for the Feed Materials Production Center, Permit No. OH0009580, for June 1989.

If you have any questions or comments regarding this matter, please contact Jack Craig, of my staff, at (513) 738-6159.

Sincerely,


James A. Reaffnyder
FMPC Site Manager

DP-84:Craig

Enclosures:
OEPA NPDES Forms

cc w/encl.:
B. L. Queener, SE-31, ORO

cc w/o encl.:
L. Sparks, SE-31, ORO
M. J. Galper, WMCO

bcc w/encl.:

Ray P. Berube, EH-24, FORSTL
Thomas B. Hindman, DP-12, GTN
Charles G. Halsted, DP-13, GTN
Catherine McCord, USEPA-5
Robert Cohen, GeoTrans
Alan Van Norman, CRA
Bob Conner, WMCO

bcc w/o encl.:

W. R. Bibb, DP-80, ORO
R. L. Egli, SE-31, ORO
D. B. Howard, SE-33, ORO

MONTHLY REPORT FORM

REPORTED



NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004001

DATE (MONTH, YEAR)
JUN 1989

PAGE 1 OF 1 PRINTING DATE 05/31/86 APPLICATION NO. OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
001 TOTAL DISCHARGE

5542

NOTE: THIS FORM MUST BE TYPED

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)	PH	RESIDU T. NFL MG/L	O&G TOTAL MG/L	CONDUI FLCW MGD	CHLORI TOT RE MG/L	AMMONI NH3-N MG/L	NITRAT NO3-N MG/L	REPORTING CODE	REPORTING CODE	REPORTING CODE
01	3	1	8.0	998	1	999	1	998	998			
02	3	1	7.9									
03	3	1	8.0									
04	3	1	8.1									
05	3	1	8.4									
06	3	1	7.8									
07	3	1	7.8	4	AA	.816	.05	.06	3.1			
08	3	1	8.0			.889						
09	3	1	8.0			.870						
10	3	1	8.1			1.104						
11	3	1	8.1			1.118						
12	3	1	8.2			1.177						
13	3	1	8.0			1.310						
14	3	1	7.9			1.405						
15	3	11	8.3	11	AA	1.274	.03	.10	2.4			
16	3	1	8.0			1.290						
17	3	1	7.9			.754						
18	3	1	8.0			.860						
19	3	1	8.0			.860						
20	3	1	7.9			1.178						
21	3	1	7.8			1.430						
22	3	1	8.0			1.529						
23	3	3	7.4	3	AA	1.306	.04	.12	2.6			
24	3	1	8.5			1.351						
25	3	1	8.1			1.350						
26	3	2	8.2	2	AA	.721	.03	.09	3.4			
27	3	1	8.2			.518						
28	3	1	8.2			.446						
29	3	1	8.0			.344						
30	3	1	7.8			.578						
31												
TOTAL			240.6	20	AA	30.437	.15	.37	11.5			
AVG.			8.0	5	AA	1.015	.04	.09	2.9			
MAX.			8.5	11	AA	1.529	.05	.12	3.4			
MIN.			7.4	2	AA	.344	.03	.06	2.4			

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER
FORM NO. EPA-4500 (8-86)
FORMERLY EPA-SUR-1

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: 14 JUL 1989
SIGNATURE OF REPORTER: *James O. Keefe*
TITLE OF REPORTER: DOE FMPC SITE MANAGER

MONTHLY REPORT FORM

REPORTED



NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004601

DATE (MONTH, YEAR)
JUN 1989

PAGE 1 OF 1
PRINTING DATE 05/31/86
APPLICATION NO. OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
601 (001A) SANITARY T.P.

5542

NOTE: THIS FORM MUST BE TYPE

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						
DAY	(1)	(2)	BOD	PH	RESIDU	FEC CO	CONDUI			
			5 DAY MG/L	S.U.	T. NFL MG/L	MF-FCB #/100M	FLOW MGD			
			REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE
			00310	00400	00530	31616	50050			
01				8.3		12	.259			
02				8.2			.245			
03				8.0			.197			
04				8.1			.141			
05				7.9			.161			
06				7.9			.251			
07		4		8.2	1		.159			
08				7.8		10	.240			
09				7.8			.257			
10				8.0			.222			
11				8.1			.193			
12				8.3			.182			
13				8.3			.233			
14		3		8.2	2		.260			
15				7.9		140	.246			
16				7.9			.228			
17				8.0			.208			
18				8.1			.194			
19				8.1			.157			
20				8.0			.227			
21		1		7.9	1		.177			
22				8.3		20	.147			
23				8.4			.203			
24				8.4			.144			
25				8.3			.142			
26				8.2			.153			
27				8.0			.191			
28		2		8.1	1		.199			
29				8.2		10	.138			
30				8.3			.135			
31										
TOTAL		10		243.2	5	192	5.889			
AVG.		2		8.1	1	20	.196			
MAX.		4		8.4	2	140	.260			
MIN.		1		7.8	1	10	.135			

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER

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 (8-86)
FORMERLY EPA-SUR-1

DATE REPORT COMPLETED 14 JUL 1989	SIGNATURE OF REPORTER <i>Steven D. Reaford</i>	TITLE OF REPORTER DOE FMPC SITE MANAGER
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MONTHLY REPORT FORM

REPORTED



NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004002

DATE (MONTH YEAR)
JUN 1989

PAGE 1 OF 1 PRINTING DATE APPLICATION NO.
05/31/86 OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
602 (001B) GENERAL SUMP

5542

NOTE: THIS FORM MUST BE TYPE

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE				REPORTING LAB			ANALYST			
IN(2) - ENTER FREQUENCY OF SAMPLING										
AND CODE NO. AT RIGHT	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	
DAY	RESIDU T. NFL MG/L REPORTING CODE	CHROME CR HEX UG/L REPORTING CODE	CHROME CR TOT UG/L REPORTING CODE	COPPER CU TOT UG/L REPORTING CODE	IRON FE TOT UG/L REPORTING CODE	NICKEL NI TOT UG/L REPORTING CODE	CONDUI FLOW MGD REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE
01	00530	01032	01034	01042	01045	01067	50050			
02							.040			
03							.076			
04							.038			
05							.038			
06							.039			
07	3	AA	AA	4	44.00	13	.077			
08							.079			
09							.040			
10							.038			
11							.038			
12										
13							.076			
14							.038			
15	AA	1	AA	9	36.00	AA	.078			
16							.076			
17							.038			
18							.038			
19							.029			
20							.038			
21							.038			
22							.040			
23	6	AA	AA	3	35.00	AA	.038			
24							.038			
25										
26	3	2	2	10	44.00	AA	.038			
27							.078			
28							.040			
29							.040			
30							.040			
31										

TOTAL	14	5	8	26	159.00	25	1.342			
AVG	4	1	2	6	39.75	6	.048			
MAX	6	2	2	10	44.00	13	.079			
MIN	AA	AA	AA	3	35.00	AA	.029			

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER
FORM NO. EPA-4500 (8-86)
FORMERLY EPA-SUR-1

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 14 JUL 1989	SIGNATURE OF REPORTER <i>James A. Resperger</i>	TITLE OF REPORTER DOE FMPC SITE MANAGER
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MONTHLY REPORT FORM

REPORTED



NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004603

DATE (MONTH, YEAR)
JUN 1989

PAGE 1 OF 1 PRINTING DATE 05/31/86 APPLICATION NO. OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
603 (001C) CLEARWELL

5542

NOTE: THIS FORM MUST BE TYPE

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE		REPORTING LAB					ANALYST			
IN(2) - ENTER FREQUENCY OF SAMPLING										
DAY	T. NFL MG/L REPORTING CODE	CHROME CR HEX UG/L REPORTING CODE	CHROME CR TOT UG/L REPORTING CODE	COPPER CU TOT UG/L REPORTING CODE	IRON FE TOT UG/L REPORTING CODE	NICKEL NI TOT UG/L REPORTING CODE	CONDUIT FLOW MGD REPORTING CODE	REPORTING CODE	REPORTING CODE	REPORTING CODE
01	998 AH-1	998	998	998	998	998	999			
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
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19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
TOTAL										
AVG.										
MAX.										
MIN.										

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

AH-1 NO WATER PUMPED FROM CLEARWELL

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER
FORM NO. EPA-4500 (8-86)
FORMERLY EPA-SUR-1

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 14 JUL 1989	SIGNATURE OF REPORTER <i>James B. Beatty</i>	TITLE OF REPORTER DOE EMPC SITE MANAGER
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MONTHLY REPORT FORM



REPORTED

NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004504

DATE (MONTH, YEAR)
JUN 1989

PAGE 1 OF 1 PRINTING DATE 05/31/86 APPLICATION NO. OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
604 (001D) STORM SEWER LIFT STATION

5542

NOTE: THIS FORM MUST BE TYPEWRITTEN

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE			REPORTING LAB				ANALYST			
IN(2) - ENTER FREQUENCY OF SAMPLING										
DAY	RESIDU T. NFL. MG/L REPORTING CODE	O&G TOTAL MG/L REPORTING CODE	CONDUIT FLOW MGD REPORTING CODE	REPORTING CODE						
01	00530	00550	50050							
02			178							
03			178							
04			633							
05			771							
06			634							
07	AA	AA	706							
08			366							
09			392							
10			359							
11			340							
12			422							
13			415							
14			534							
15	8	AA	563							
16			448							
17			520							
18			003							
19			133							
20			161							
21			410							
22			711							
23	21	15.5	838							
24			561							
25			665							
26	6	AA	703							
27			266							
28			250							
29			208							
30			166							
31			163							
TOTAL	37	30.5	12.697							
AVG.	9	7.6	.423							
MAX.	21	15.5	.838							
MIN.	AA	AA	.003							

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER
FORM NO. EPA-4500 (8-86)
FORMERLY EPA-SUR-1

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 14 JUL 1989	SIGNATURE OF REPORTER <i>[Signature]</i>	TITLE OF REPORTER DOE FMPC SITE MANAGER
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MONTHLY REPORT FORM

REPORTED



NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004605

DATE (MONTH, YEAR)
JUN 1989

PAGE NO. 5542
DATE OF APPLICATION 05/31/86
OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
605 (001E) BICREACTOR

NOTE: THIS FORM MUST BE TYPE

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE
IN(2) - ENTER FREQUENCY OF SAMPLING

DAY	AMMONI NITRAT CONDUI			REPORTING LAB				ANALYST		
	NH3-N MG/L REPORTING CODE	NO3-N MG/L REPORTING CODE	FLOW MGD REPORTING CODE	REPORTING CODE						
(1)	1	1	999							
(2)										
01			.122							
02			.115							
03			.115							
04										
05			.101							
06			.101							
07	.51	.1	.076							
08			.112							
09			.115							
10			.115							
11			.115							
12			.115							
13			.106							
14			.115							
15	.46	.2	.115							
16			.115							
17			.115							
18			.115							
19			.087							
20			.087							
21			.087							
22			.087							
23	.58	.1	.087							
24			.087							
25			.087							
26	.42	.1	.086							
27			.086							
28			.086							
29			.058							
30			.058							
31										
TOTAL	1.97	.5	2.866							
AVG.	.49	.1	.099							
MAX.	.58	.2	.122							
MIN.	.42	.1	.058							

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER
FORM NO. EPA-4500 (8-86)
FORMERLY EPA-SUR-1

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: 14 JUL 1989
SIGNATURE OF REPORTER: *James A. Resinger*
TITLE OF REPORTER: DOE FMPC SITE MANAGER

MONTHLY REPORT FORM

REPORTED



NAME, ADDRESS, CITY, COUNTY, ZIP

STATION CODE
11000004002

DATE (MONTH, YEAR)
JUN 1989

PAGE 1 OF 1 PRINTING DATE 05/31/86 APPLICATION NO. OH0009580

U.S. DEPARTMENT OF ENERGY
FEED MATERIALS PROD. CENTER
WILLEY RD , P O BOX 39158
FERNALD 45239
HAMILTON

SAMPLING STATION DESCRIPTION
002 DISCHARGE PRIOR TO DITCH TO ADY
5542

NOTE: THIS FORM MUST BE TYPE

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE					REPORTING LAB			ANALYST	
IN(2) - ENTER FREQUENCY OF SAMPLING									
AND CODE NO. AT RIGHT	(1)	(2)	(3)	(4)	REPORTING CODE				
DAY	PH	T. NFL	O&G	CONDUI	REPORTING CODE				
	S.U.	MG/L	TOTAL	FLOW	REPORTING CODE				
	REPORTING CODE								
	24	24	24	24					
01	00400	00530	00550	50050					
02	AH-2								
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									
AVG.									
MAX.									
MIN.									

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

AH-2 NO WATER OVERFLOWED FROM STORMWATER RETENTION BASIN

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER
FORM NO. EPA-4500 (8-86)
FORMERLY EPA-SUR-1

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: 14 JUL 1989
SIGNATURE OF REPORTER: *James A. Reaford*
TITLE OF REPORTER: DOE EMPC SITE MANAGER