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 50-260 Browns Ferry Nuclear Power Station, Unit 2, Tennessee 05000260
 50-296 Browns Ferry Nuclear Power Station, Unit 3, Tennessee 05000296
 AUTH. NAME AUTHOR AFFILIATION
 BROOKS, R.H. Alabama, State of
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Discharge monitoring rept for May 1988.

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 101 - Diffuser Discharge Structure

MONTH May 1988 NPDES # AL0022080

PARAM	FLOW	pH	Amb. River Temperature	Downstream River Temp.	D.S. River Temp. >92.0	Downstream River Temp.	Temperature Rise
AVG	-	6.0	24hr Av Max	24hr Av Max	---	Hourly Max	24hr Av Max
MAX	-	9.0	---	90.0	6 Hrlly Rdgs	93.0	10.0
UNITS	MGD	s.u.	---	°	# Rdgs >6	°	°
FREQ.	Cont.	1/wk	Continuous	Continuous	Hourly	Continuous	Continuous
1	633.6		67.1	66.5	0	68.0	-0.2
2	633.6		68.1	67.5	0	70.0	-0.5
3	633.6	8.3	68.7	68.3	0	69.5	0.1
4	633.6		68.2	68.7	0	68.6	0.7
5	633.6		67.6	68.1	0	67.5	0.5
6	633.6		67.4	67.2	0	67.5	0.0
7	633.6		67.3	67.2	0	67.4	-0.1
8	633.6		68.6	69.6	0	70.3	1.2
9	633.6		68.6	69.6	0	70.3	1.3
10	633.6	7.8	70.3	70.5	0	71.8	1.0
11	633.6		70.9	70.6	0	71.1	0.2
12	633.6		71.1	71.0	0	72.3	0.0
13	633.6		71.4	72.3	0	73.8	0.8
14	633.6		72.3	73.6	0	75.7	1.4
15	633.6		74.1	74.4	0	75.7	1.3
16	633.6		76.4	75.2	0	76.0	0.3
17	633.6	7.9	75.3	75.2	0	75.3	0.1
18	633.6		74.6	75.1	0	74.3	0.1
19	633.6		74.2	74.3	0	74.3	0.1
20	633.6		75.1	74.8	0	77.7	1.8
21	633.6		75.8	75.3	0	77.3	1.8
22	633.6		75.3	75.3	0	76.0	0.9
23	633.6		74.4	74.6	0	74.4	0.3
24	633.6	7.7	73.7	73.9	0	73.9	0.3
25	633.6		73.4	73.7	0	73.4	0.3
26	633.6		73.2	73.1	0	74.2	0.3
27	633.6		73.1	72.8	0	74.9	0.0
28	633.6		74.1	73.9	0	75.3	0.4
29	633.6		75.0	75.1	0	77.5	0.2
30	633.6		76.5	76.4	0	77.6	0.6
31	633.6		77.3	77.5	0	79.7	0.2
MAX	633.6	8.3	77.3	77.5	0	79.7	1.8
AVG	633.6		72.2	72.3	0	73.3	0.5
MIN		7.7					

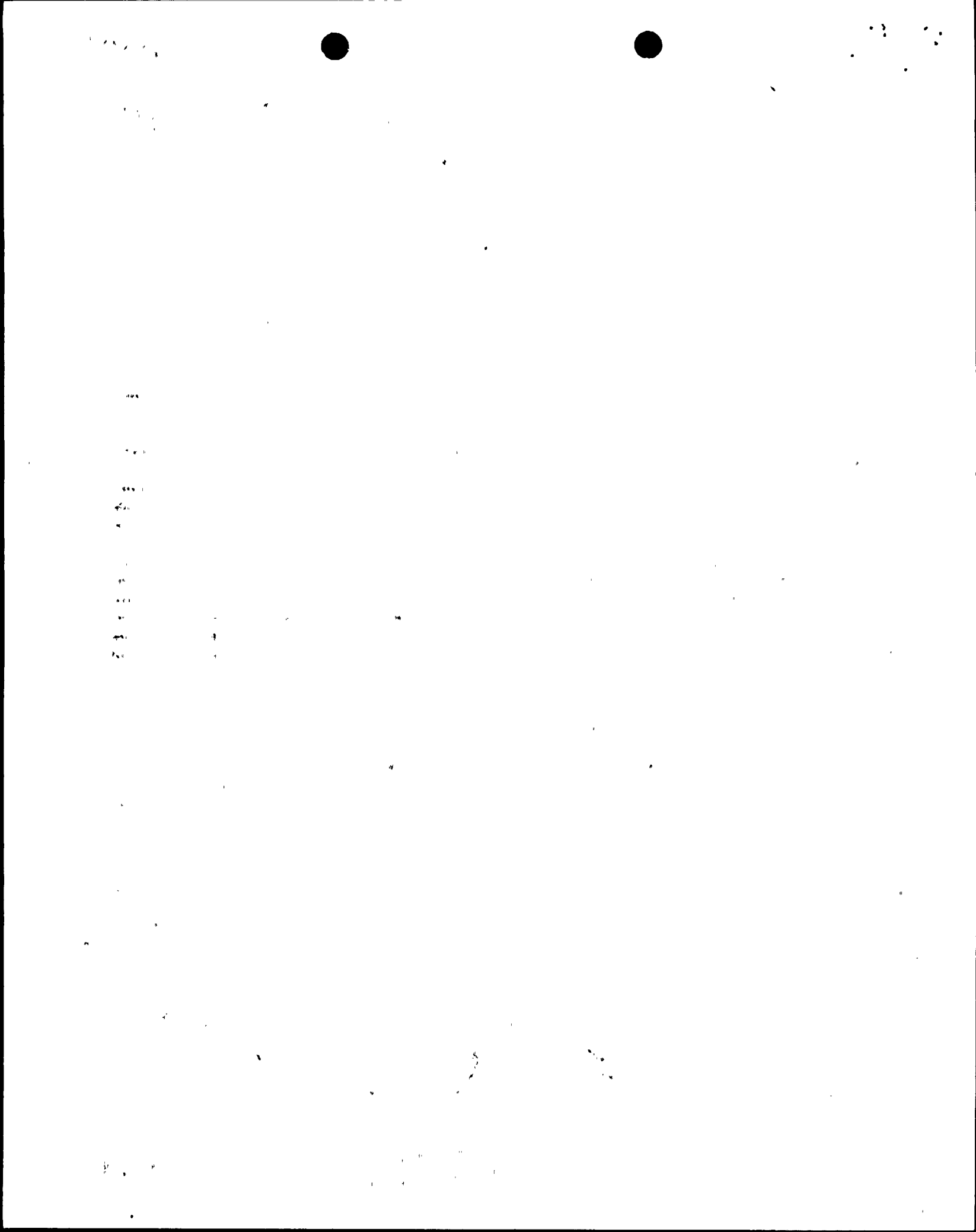
8807080282 880531
PDR ADDCK 05000259
R

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Official

Original signed by
Ralph H. Brooks

Date: JUN 29 1988



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 102 - Sedimentation Pond

MONTH May

1988

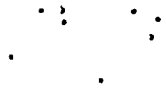
NPDES # AL0022080

PARAM	FLOW	pH	O&G	TSS	COMMENTS
AVG	----	MIN. 6.0	15	30	
MAX	----	9.0	20	100	
UNITS	MGD	S.U.	mg/l	mg/l	
FREQ.	1/RELEASE	1/RELEASE	1/RELEASE	2/RELEASE	
1					POND OUT OF SERVICE FOR REPAIR 11-2-87.
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
MAX					
AVG					
MIN					
TOTAL	NO DISCHARGE				

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Signature of Responsible Official _____

Date: _____
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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 103 - Unit 1,2,3 Turbine
Station Sump

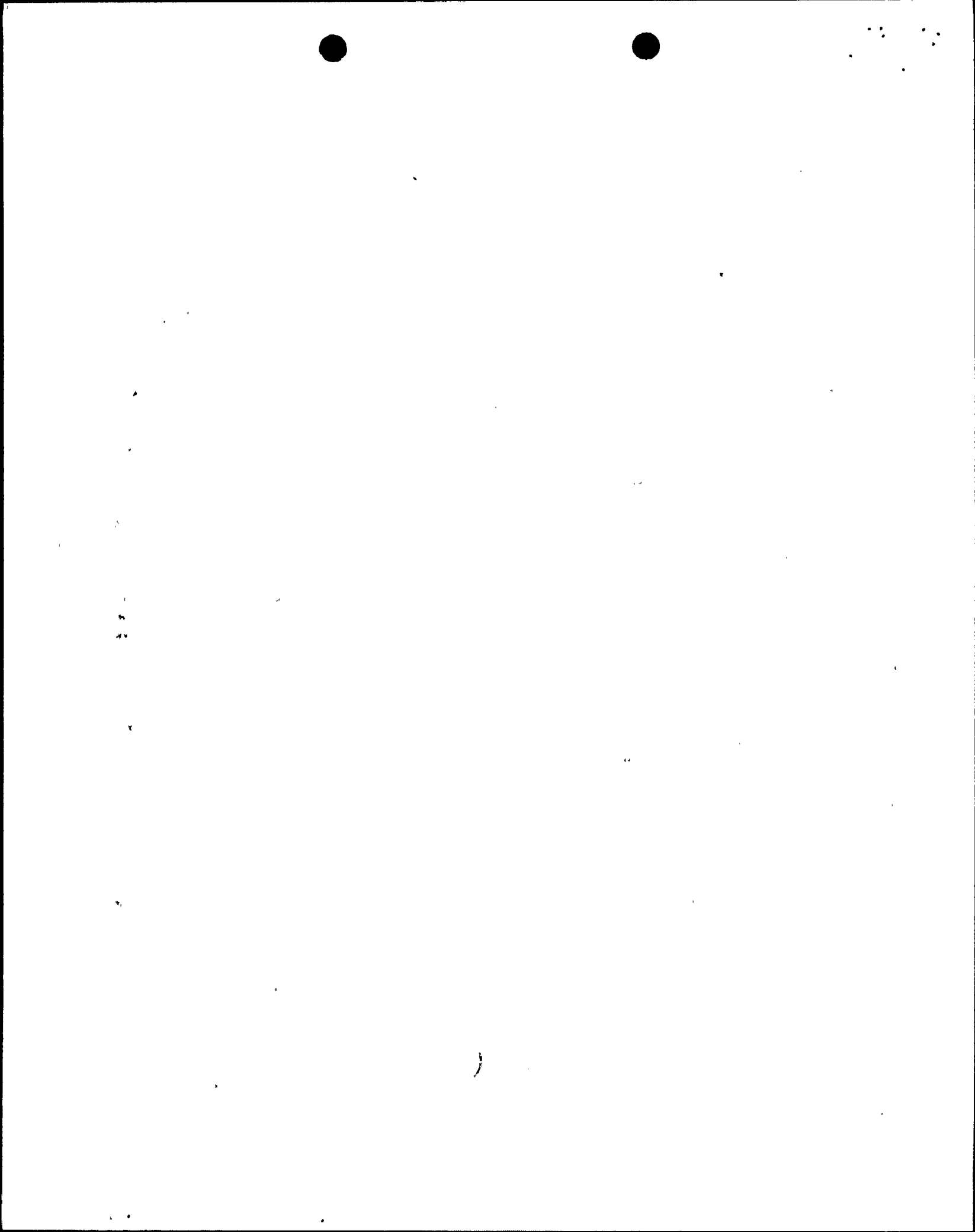
MONTH May 1988 NPDES # AL0022080

PARAM	FLOW	O&G	TSS	COMMENTS
AVG	----	15	30	
MAX	----	20	100	
UNITS	MGD	mg/l	mg/l	
FREQ.	1/WEEK	1/WEEK	1/WEEK	
1				
2				
3				
4				
5				
6	0.288000	< 5	8	
7				
8				
9				
10				
11				
12				
13	0.314000	< 5	7	
14				
15				
16				
17				
18				
19				
20	0.360000	< 5	9	
21				
22				
23				
24				
25				
26				
27	0.312000	< 5	8	
28				
29				
30				
31				
MAX	0.360000	< 5	9	
AVG	0.318500	< 5	8	

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Date: _____



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 104 - Liquid Radwaste

MONTH May 1988

NPDES # ALO022080

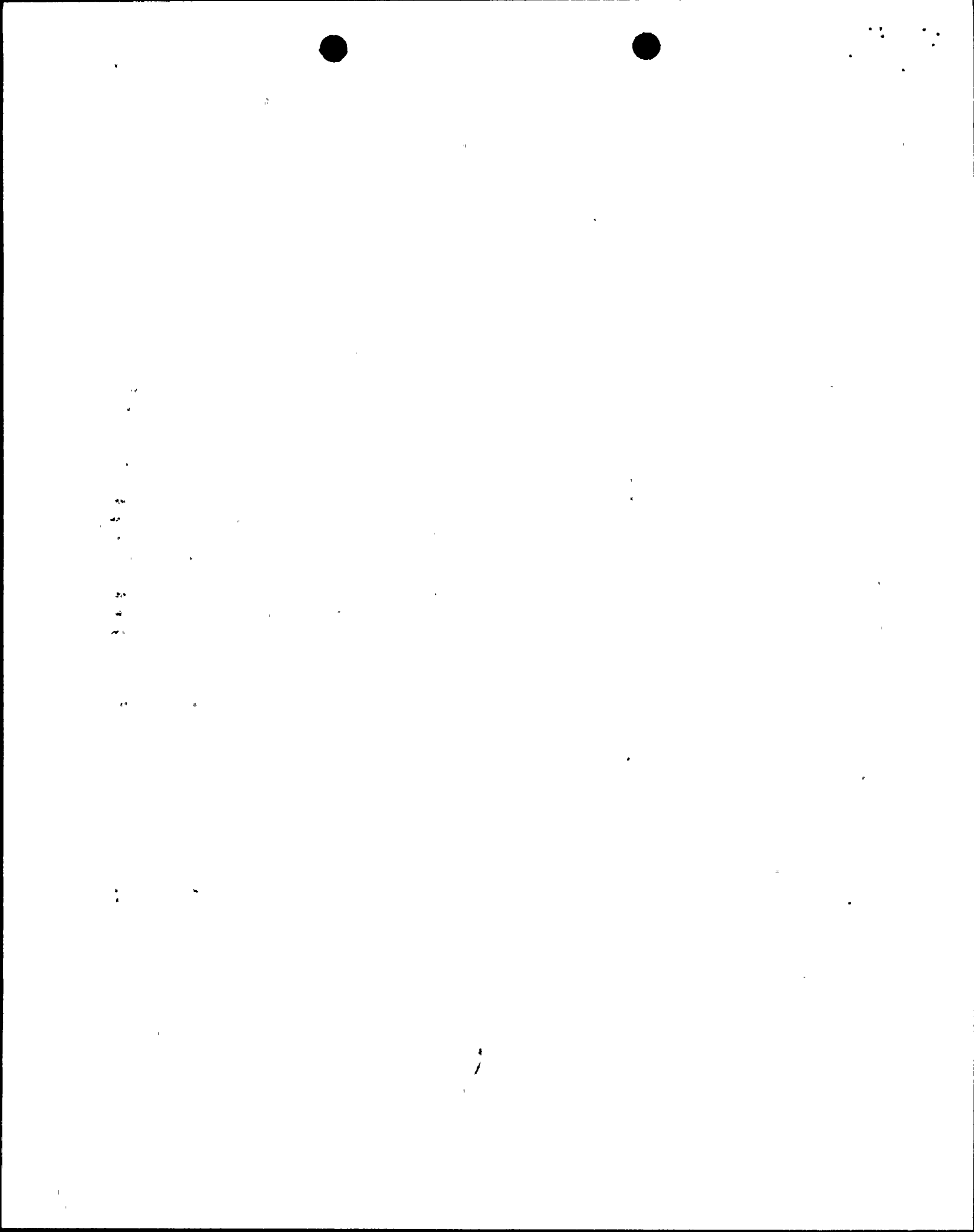
PARAM	FLOW	O&G	TSS	LDT/O&G	LDT/TSS	Copper	Iron
AVG		15	30	15	30		
MAX		20	100	20	100	1.0	1.0
UNITS	MGD	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FREQ.	1/BATCH	2/wk	2/wk	1/BATCH	1/BATCH	1/BATCH	1/BATCH
1	0.027248					(1) NA	(1) NA
2	0.030254						
3	0.029439	< 5	< 1, < 1				
4	0.022509						
5	0.025619						
6	0.031124	< 5	< 1				
7	0.028298						
8	0.026732						
9	NO DISCHARGE						
10	0.030690						
11	0.030254	< 5	< 1	9	25		
12	0.041957						
13	0.030690	< 5	10				
14	0.068707						
15	0.031520						
16	0.055845	< 5	< 1				
17	NO DISCHARGE						
18	0.030039						
19	0.029966						
20	0.026403	< 5	< 1				
21	0.030650						
22	0.051366						
23	0.030458	9	5				
24	0.019881	< 5	< 1				
25	0.029031						
26	NO DISCHARGE						
27	0.055550	8	< 1				
28	NO DISCHARGE						
29	NO DISCHARGE						
30	0.085073						
31	0.119967	6	< 1				
MAX	0.119967	9	10	9	25		
AVG	0.039203	< 6	< 2	9	25		

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(1) No chemical metal cleaning solutions used this month.



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 105 - Residual Heat Removal
Service Water

MONTH May 1988 NFDES # AL0022080

PARAM	FLOW	TEMP	COMMENTS
AVG	----		
MAX	----		
UNITS	MGD	°F	
FREQ.	1/WEEK	1/WEEK	
1			
2			
3			
4			
5			
6	*		NO DISCHARGE ENTIRE WEEK
7			
8			
9			
10			
11			
12			
13	*		NO DISCHARGE ENTIRE WEEK
14			
15			
16			
17			
18			
19			
20	*		NO DISCHARGE ENTIRE WEEK
21			
22			
23			
24			
25			
26			
27	*		NO DISCHARGE ENTIRE WEEK
28			
29			
30			
31			
MAX			
AVG	*		NO DISCHARGE ENTIRE MONTH

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 106 - Condenser Cooling Water
Station Sump

MONTH May

1988

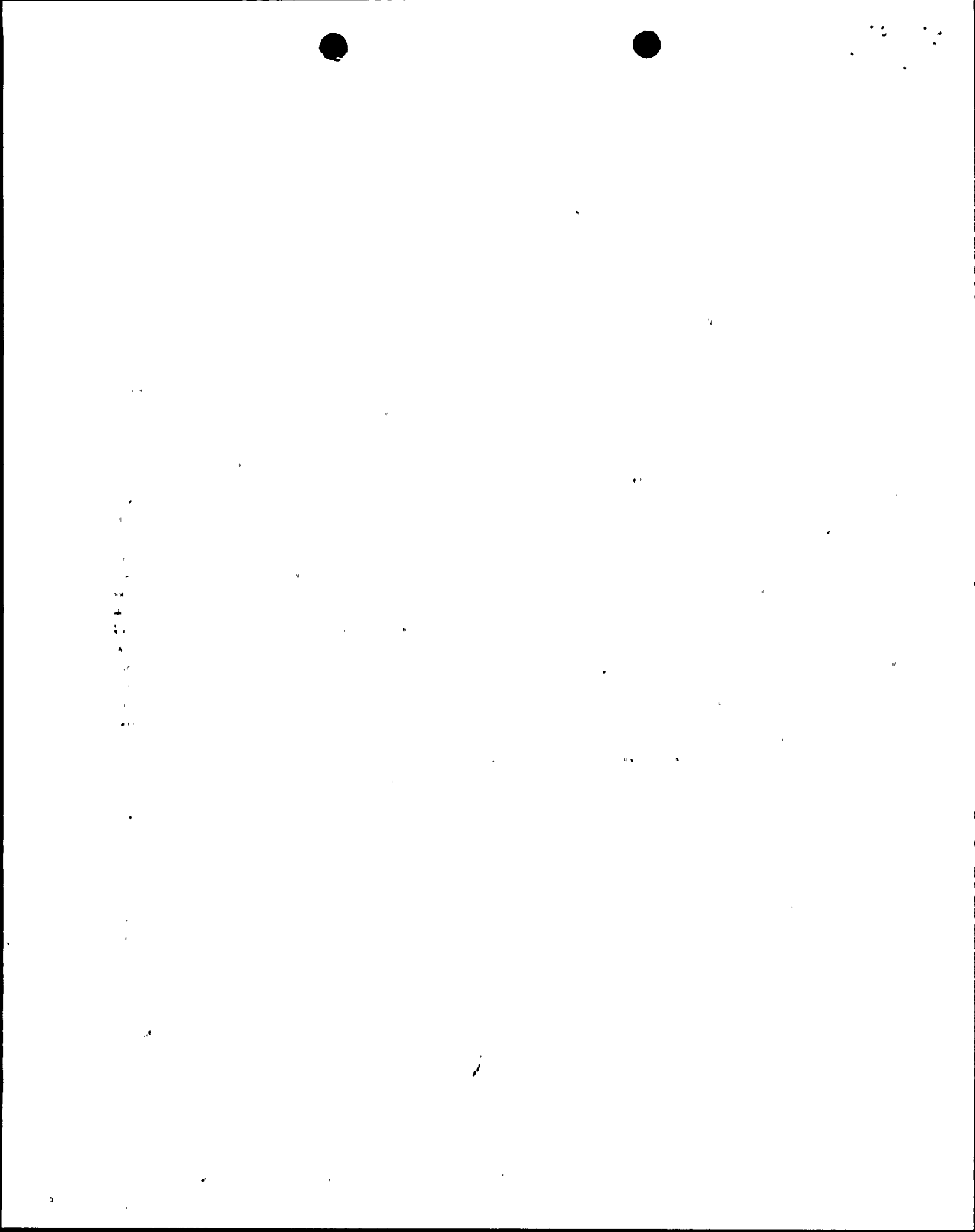
NPDES # AL0022080

PARAM	FLOW	O&G	TSS	COMMENTS
AVG	----	15	30	
MAX	----	20	100	
UNITS	MGD	mg/l	mg/l	
FREQ.	1/WEEK	1/WEEK	1/WEEK	
1				DISCHARGE ROUTED TO LINED POND FOR ENTIRE REPORTING PERIOD.
2				
3				
4				
5	0.000000			
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12	0.000000			
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19	0.000000			
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MAX	0.000000			
AVG	0.000000			

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 107 - Unit 3 Control Bldg.
Drain

MONTH May

1988

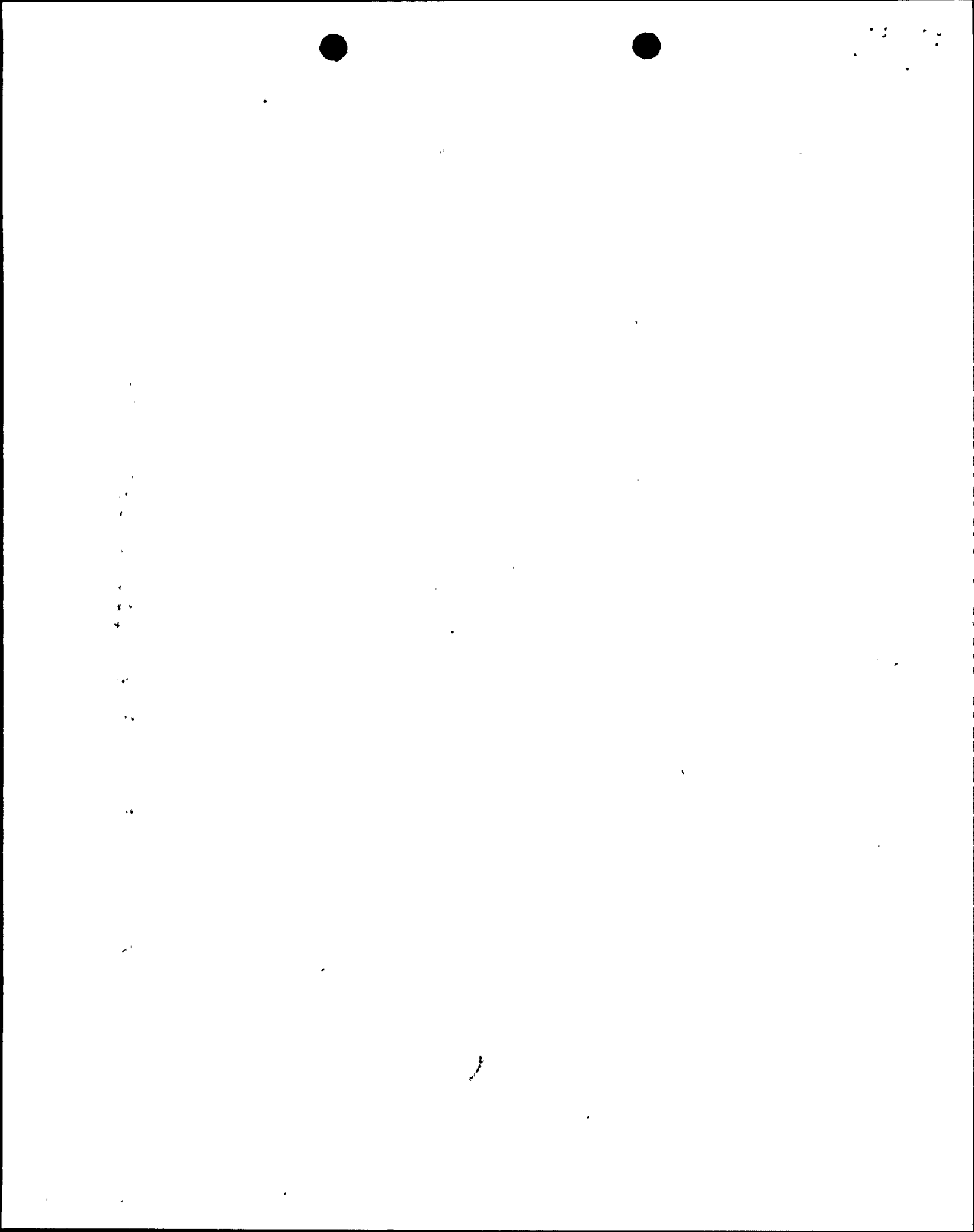
NPDES # AL0022080

PARAM	FLOW	O&G	TSS	COMMENTS
AVG	----	15	30	
MAX	----	20	100	
UNITS	MGD	mg/l	mg/l	
FREQ.	1/WEEK	1/WEEK	1/WEEK	
1				
2				
3				
4	0.001790	< 5	.13	
5				
6				
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8				
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10				
11	0.001680	< 5	6	
12				
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15				
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18	0.001390	< 5	6	
19				
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22				
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24				
25	0.001600	< 5	5	
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MAX	0.001790	< 5	13	
AVG	0.001615	< 5	8	

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 108 - Diesel Bldg. Sump
Units 1 & 2

MONTH May

1988

NPDES # AL0022080

PARAM	FLOW	O&G	TSS	COMMENTS
AVG	----	15	30	
MAX	----	20	100	
UNITS	MGD	mg/l	mg/l	
FREQ.	1/WEEK	1/WEEK	1/WEEK	
1				
2				
3				
4				
5	*			NO DISCHARGE ENTIRE WEEK
6				
7				
8				
9				
10				
11				
12	*			NO DISCHARGE ENTIRE WEEK
13				
14				
15				
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18				
19	*			NO DISCHARGE ENTIRE WEEK
20				
21				
22				
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24				
25				
26	*			NO DISCHARGE ENTIRE WEEK
27				
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31				
MAX				
AVG	*			NO DISCHARGE ENTIRE MONTH

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Signature of Responsible Official _____

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 109 - Diesel Bldg. Sump
Unit 3

MONTH May

1988

NPDES # AL0022080

PARAM	FLOW	O&G	TSS	COMMENTS
AVG	----	15	30	
MAX	----	20	100	
UNITS	MGD	mg/l	mg/l	
FREQ.	1/WEEK	1/WEEK	1/WEEK	
1				
2				
3				
4				
5	*			NO DISCHARGE ENTIRE WEEK
6				
7				
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11				
12	*			NO DISCHARGE ENTIRE WEEK
13				
14				
15				
16				
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19	*			NO DISCHARGE ENTIRE WEEK
20				
21				
22				
23				
24				
25				
26	*			NO DISCHARGE ENTIRE WEEK
27				
28				
29				
30				
31				
MAX				
AVG	*			NO DISCHARGE ENTIRE MONTH

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Signature of Responsible Official _____

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 110 - Unit 1 & 2 Office
Bldg. Drain

MONTH May 1988 NPDES # AL0022080

PARAM	FLOW	O&G	TSS	COMMENTS
AVG	----	15	30	
MAX	----	20	100	
UNITS	MGD	mg/l	mg/l	
FREQ.	1/WEEK	1/WEEK	1/WEEK	
1				
2				
3				
4	0.004307	< 5	29	
5				
6				
7				
8				
9				
10				
11				
12	0.004560	< 5	1	
13				
14				
15				
16				
17				
18	0.004000	< 5	1	
19				
20				
21				
22				
23				
24				
25	0.003750	< 5	1	
26				
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28				
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30				
31				
MAX	0.004560	< 5	29	
AVG	0.004154	< 5	8	

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Signature of Responsible Official _____

Date: _____

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT
Tennessee Valley Authority
BROWNS FERRY NUCLEAR PLANT

DSN 111 - Sewage Treatment Lagoon

MONTH May

1988

NPDES # AL0022080

PARAM	FLOW	TSS	BOD5	COMMENTS
AVG	----	90	30	
MAX	----	-----	45	
UNITS	MGD	mg/l	mg/l	
FREQ.	5/WEEK	2/MONTH	2/MONTH	
1				NO DISCHARGE FOR ENTIRE MONTH.
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30				
31				
MAX				
AVG				

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Official _____

Date: _____

110511

Description of Discharge - DSN 111 - Sewage Treatment System - Sewage overflowed a manhole and discharged to the intake forebay via the yard drainage system. It is estimated that approximately 1100 gallons of sewage was discharged during the event on May 31, 1988. No samples were taken.

Cause and Period of Noncompliance - The overflow was a result of a solenoid valve malfunction of the air ejector system. This condition lasted about 30 minutes.

Steps Taken to Reduce, Eliminate, and Prevent Recurrence of Noncomplying Discharge - The system was manually operated to stop the discharge. One electrode in the system was grounded to ensure operation of the ejector system until the valve could be replaced. An immediate attention maintenance request was filed to replace the solenoid valve.

7-21-64

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