

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

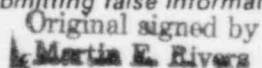
DSN 101: DIFFUSER DISCHARGE
STRUCTURE

MONTH MARCH 19 85

NPDES # AL0022080

PARAM	FLOW	pH	AMBIENT RIVER TEMP	DOWNSTREAM RIVER TEMP	DOWNSTREAM RIVER TEMP	DOWNSTREAM RIVER TEMP	TEMP RISE
AVG	-	6.0	-	24-HOUR AVG MAX	6-HOUR AVG MAX	INST HOURLY MAX	24-HOUR AVG MAX
MAX	-	9.0	-	90.0	92.0	93.0	10.0
UNITS	MGD	UNITS	-	°F	°F	°F	°F
FREQ	CONT	1/WK	2/, 6/ CONT	3/, 6/ CONT	3/, 6/ CONT	3/, 6/ CONT	4/, 6/ CONT
DATE	1 1901		49.8	52.0	0.0	53.2	2.3
	2 1901		49.9	52.2	0.0	53.2	2.4
	3 1901		50.6	53.4	0.0	54.6	2.8
	4 1901		52.2	56.4	0.0	58.9	4.4
	5 1901	7.8	52.8	56.6	0.0	57.6	4.2
	6 1901		52.7	55.6	0.0	55.9	2.9
	7 1901		52.4	55.4	0.0	56.7	3.1
	8 1901		54.3	56.1	0.0	57.4	3.1
	9 1901		55.2	57.0	0.0	59.5	2.5
	10 1901		55.2	57.2	0.0	57.9	2.5
	11 1901		56.1	57.4	0.0	58.3	2.8
	12 1901	7.6	56.6	58.0	0.0	60.3	1.8
	13 1901		56.6	58.0	0.0	58.8	1.5
	14 1584		56.8	57.9	0.0	59.0	1.4
	15 1584		56.1	57.1	0.0	56.9	1.3
	16 1584		55.0	57.0	0.0	58.2	2.2
	17 1901		55.2	57.5	0.0	58.3	2.4
	18 1901		55.2	57.2	0.0	58.0	2.3
	19 1584		55.0	56.6	0.0	56.3	2.0
	20 1584		55.9	55.8	0.0	56.2	0.3
	21 1901		56.3	56.0	0.0	56.1	0.2
	22 1584		55.6	55.8	0.0	55.2	0.3
	23 1584	7.6	55.5	55.7	0.0	56.8	0.2
	24 1584		56.6	56.5	0.0	57.3	0.3
	25 1584		57.0	56.8	0.0	57.8	0.0
	26 1584	7.6	57.2	57.3	0.0	58.1	0.3
	27 1267		57.5	58.1	0.0	58.4	0.6
	28 1267		58.3	58.8	0.0	60.0	0.6
	29 1267		59.1	59.9	0.0	60.7	1.0
	30 1267		60.4	61.4	0.0	62.8	1.0
	31 1267		61.2	62.2	0.0	62.9	1.2
MAX	1901	7.6-7.8	61.2	62.2	0.0	62.9	4.4
AVG	1696	7.6-7.8	55.4	56.9	0.0	57.8	1.7

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.

Original signed by


Signature of Responsible Official

ADEM Form 43 3/84

8505030721 850331
PDR ADDCK 05000259
R PDR

APR 26 1985

IE25 0/1

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 102: SEDIMENTATION POND
EFFLUENT

MONTH MARCH 19 85

NPDES # AL0022080

PARAM	FLOW	pH	O&G	TSS										
AVG	-	6.0	15	30										
MAX	-	9.0	20	100										
UNITS	MGD	UNITS	MG/L	MG/L										
FREQ	1/BATCH	1/BATCH	1/BATCH	2/BATCH										
DATE	1	NO FLOW												
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9	NO FLOW												
	10													
	11													
	12													
	13													
	14													
	15													
	16	NO FLOW												
	17													
	18													
	19													
	20													
	21													
	22													
	23	NO FLOW												
	24													
	25													
	26													
	27													
	28													
	29													
	30	NO FLOW												
	31													
MAX														
AVG	NO FLOW													

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Signature of Responsible Official _____ Date: _____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 103: UNITS 1, 2, AND 3
TURBINE BUILDING SUMPMONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	O&G	TSS										
AVG	-	15	30										
MAX	-	20	100										
UNITS	MGD	MG/L	MG/L										
FREQ	1/WK	1/WK	1/WK										
DATE	1	0.090	<5.0	30									
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9	0.396	<5.0	13									
	10												
	11												
	12												
	13												
	14	0.036	<5.0	20									
	15												
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23	0.230	<5.0	13									
	24												
	25												
	26												
	27												
	28												
	29	0.152	<5.0	7.4									
	30												
	31												
MAX	0.396	<5.0	30										
AVG	0.182	<5.0	17										

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

DSN 104: LIQUID RADWASTE SYSTEM

Browns Ferry Nuclear Plant

Athens, Alabama 35611

MONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	O&G	TSS	TOTAL Cu	TOTAL Fe	TSS*						
AVG	-	15	30	-	-	30						
MAX	-	20	100	1.0	1.0	100						
UNITS	MGD	MG/L	MG/L	MG/L	MG/L	MG/L						
FREQ	1/BATCH	2/WK	2/WK	1/BATCH	1/BATCH							
DATE	1 0.034	<5.0	18									
	2 0.034											
	3 0.058	5.9				17						
	4 0.073	11	1.1									
	5 0.011	<5.0				8.7						
	6 0.033											
	7 0.045	20	18									
	8 0.034											
	9 0.011	<5.0				23						
	10 0.040											
	11 0.074											
	12 0.085	<5.0	39									
	13 0.073		1.2									
	14 0.085	12				40						
	15											
	16 0.034											
	17 0.045	<5.0				9.9						
	18											
	19 0.084											
	20 0.151											
	21 0.045	13	21			1.5						
	22 0.074											
	23 0.044	<5.0				21						
	24 0.034											
	25 0.045	8.4	13			32						
	26 0.074											
	27 0.154											
	28 0.147	<5.0	7									
	29 0.123	15				14						
	30 0.071											
	31 0.031											
MAX	0.154	<20	39			40						
AVG	0.064	<8.6	15			19						

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*GRAB SAMPLES

Signature of Responsible Official _____

Date: _____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

DSN 105: RESIDUAL HEAT REMOVAL

Browns Ferry Nuclear Plant

Athens, Alabama 35611

MONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	TEMP											
AVG	-	-											
MAX	-	-											
UNITS	MGD	°F											
FREQ	1/WK	1/WK											

DATE

1	NO FLOW												
2													
3													
4													
5													
6													
7													
8													
9													
10	3.60	165											
11													
12													
13	0.216	162											
14													
15													
16													
17													
18													
19	0.933	176											
20													
21													
22													
23													
24													
25													
26													
27	NO FLOW												
28													
29													
30													
31													
MAX	3.60	176											
AVG	0.95	168											

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Date _____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

DSN 106: CONDENSER COOLING WATER

Browns Ferry Nuclear Plant

PUMP STATION SUMP

Athens, Alabama 35611

MONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	O&G	TSS										
AVG	-	15	30										
MAX	-	20	100										
UNITS	MGD	MG/L	MG/L										
FREQ	1/WK	1/WK	1/WK										
DATE	1	0.022	<5.0	5.6									
	2												
	3												
	4												
	5												
	6												
	7												
	8	0.025	<5.0	1.1									
	9												
	10												
	11												
	12												
	13												
	14												
	15												
	16	0.029	<5.0	1.2									
	17												
	18												
	19												
	20												
	21												
	22	0.043	<5.0	3.5									
	23												
	24												
	25												
	26												
	27												
	28												
	29	0.043	<5.0	5.8									
	30												
	31												
MAX	0.043	<5.0	5.8										
AVG	0.032	<5.0	3.4										

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DISCHARGE MONITORING REPORT

Tennessee Valley Authority
Browns Ferry Nuclear Plant
Athens, Alabama 35611

DSN 107: UNIT 3 CONTROL
BUILDING DRAIN

MONTH MARCH 19 85

NPDES # AL0022080

PARAM	FLOW	O&G	TSS										
AVG	-	15	30										
MAX	-	20	100										
UNITS	MGD	MG/L	MG/L										
FREQ	1/WK	1/WK	1/WK										
DATE	1												
	2												
	3												
	4												
	5	NO FLOW											
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15	NO FLOW											
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23	NO FLOW											
	24												
	25												
	26												
	27												
	28												
	29												
	30	NO FLOW											
	31												
MAX													
AVG	NO FLOW												

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 108: UNIT 1 AND 2 DIESEL
GENERATOR BUILDING SUMPMONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	O&G	TSS										
AVG	-	15	30										
MAX	-	20	100										
UNITS	MGD	MG/L	MG/L										
FREQ	1/WK	1/WK	1/WK										
DATE	1												
	2												
	3												
	4												
	5	NO FLOW											
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15	NO FLOW											
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23	NO FLOW											
	24												
	25												
	26												
	27												
	28												
	29												
	30	NO FLOW											
	31												
MAX													
AVG	NO FLOW												

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

*DSN 109: UNIT 3 DIESEL GENERATOR
BUILDING SUMP

AL0022080

MONTH MARCH 19 85

NPDES #

PARAM	FLOW	O&G	TSS										
AVG	-	15	30										
MAX	-	20	100										
UNITS	MGD	MG/L	MG/L										
FREQ	1/WK	1/WK	1/WK										
DATE	1												
	2												
	3												
	4												
	5	NO FLOW											
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15	NO FLOW											
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23	NO FLOW											
	24												
	25												
	26												
	27												
	28												
	29												
	30	NO FLOW											
	31												
MAX													
AVG	NO FLOW												

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 110: UNITS 1 AND 2 OFFICE
BUILDING DRAINMONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	O&G	TSS										
AVG	-	15	30										
MAX	-	20	100										
UNITS	MGD	MG/L	MG/L										
FREQ	1/WK	1/WK	1/WK										
DATE	1												
	2												
	3												
	4												
	5	0.0004	<5.0	8.6									
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15	0.0004	<5.0	9.9									
	16												
	17												
	18												
	19												
	20												
	21												
	22	0.0004	<5.0	46									
	23												
	24												
	25												
	26	0.0002	<5.0	23									
	27												
	28												
	29												
	30												
	31												
MAX	0.0004	<5.0	46										
AVG	0.0004	<5.0	22										

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Date. _____

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 111: SEWAGE TREATMENT PLANT

MONTH MARCH 19 85NPDES # AL0022080

PARAM	FLOW	BOD ₅	TSS										
AVG	-	30	30										
MAX	-	45	45										
UNITS	MGD	MG/L	MG/L										
FREQ	5/WK	1/WK	1/WK										
DATE	1												
	2												
	3												
	4												
	5	NO FLOW											
	6												
	7												
	8												
	9												
	10												
	11												
	12												
	13												
	14												
	15	NO FLOW											
	16												
	17												
	18												
	19												
	20												
	21												
	22												
	23	NO FLOW											
	24												
	25												
	26												
	27												
	28												
	29												
	30	NO FLOW											
	31												
MAX													
AVG	NO FLOW												

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Date: _____