

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 101: DIFFUSER DISCHARGE  
STRUCTURE

MONTH JANUARY 19 85

NPDES # AL0022080

PARAM	FLOW	pH	AMBIENT RIVER TEMP	DOWNSTREAM RIVER TEMP 24-HOUR AVG MAX	DOWNSTREAM RIVER TEMP 6-HOUR AVG MAX	DOWNSTREAM RIVER TEMP INST HOURLY MAX	TEMP RISE 24-HOUR AVG MAX
AVG	-	6.0	-	90.0	92.0	93.0	10.0
MAX	-	9.0	-				
UNITS	MGD	UNITS	-	°F	°F	°F	°F
FREQ	CONT	1/WK	<u>2/</u> , <u>6/</u> CONT	<u>3/</u> , <u>6/</u> CONT	<u>3/</u> , <u>6/</u> CONT	<u>3/</u> , <u>6/</u> CONT	<u>4/</u> , <u>6/</u> CONT
DATE	1	1901		56.1		65.9	9.6
	2	1901	7.8	53.6		59.6	5.0
	3	1901		51.0		55.9	3.9
	4	1901		48.8		*	*
	5	1901		46.8		*	*
	6	1901		47.2		*	*
	7	1901		48.1		*	*
	8	1901	7.7	47.6		*	*
	9	1901		46.9		*	*
	10	1901		47.0		*	*
	11	1901		43.4		*	*
	12	1901		42.5		*	*
	13	1901		42.6		*	*
	14	1901		43.5		51.2	8.4
	15	1901		42.9		48.6	4.5
	16	1901	7.7	41.7		*	*
	17	1901		42.6		*	*
	18	1901		41.7		46.1	4.8
	19	1901		42.5		48.9	6.1
	20	1901		38.7		44.6	4.8
	21	1901		35.6		42.4	6.8
	22	1901		36.6		39.1	2.8
	23	1901		37.7		41.6	3.4
	24	1901	**	39.1		42.9	4.7
	25	1901		39.5		45.7	6.2
	26	1901		37.5		43.7	6.1
	27	1901		37.5		44.9	7.4
	28	1901		37.6		*	*
	29	1901	7.8	38.0		43.4	5.9
	30	1901		39.1		47.1	8.5
	31	1901		40.4		46.3	5.8
	MAX	1901		56.1		65.9	9.6
	AVG	1901	7.7-7.8	43.0		47.7	5.8

8503080386 850131  
PDR ADOCK 05000259  
R PDR

IEZ  
4/10

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. \*DATA NOT AVAILABLE. \*\*SAMPLE INADVERTENTLY NOT ANALYZED.

Signature of Responsible Official

Original signed by  
Martin E. Rivers

Date

MAR 4 1985

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 102: SEDIMENTATION POND  
EFFLUENT

MONTH JANUARY 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													
	2	NO FLOW												
	3													
	4													
	5													
	6													
	7													
	8													
	9	NO FLOW												
	10													
	11													
	12													
	13													
	14													
	15	NO FLOW												
	16													
	17													
	18													
	19													
	20													
	21													
	22	NO FLOW												
	23													
	24													
	25													
	26													
	27													
	28													
	29	NO FLOW												
	30													
	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 SUMP

MONTH JANUARY 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	0.158	<5.0	2.3						
	4									
	5									
	6									
	7									
	8									
	9									
	10	*	<5.0							
	11			8.9						
	12									
	13									
	14									
	15									
	16									
	17	0.144	<5.0	9.0						
	18									
	19									
	20									
	21									
	22									
	23									
	24	0.144	<5.0	16						
	25									
	26									
	27									
	28									
	29									
	30									
	31	0.144	<5.0	11						
MAX	0.158	<5.0	16							
AVG	0.118	<5.0	9.4							

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\*FLOW RATE INADVERTENTLY NOT CHECKED.

Signature of Responsible Official \_\_\_\_\_ Date \_\_\_\_\_

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

DSN 104: LIQUID RADWASTE SYSTEM

MONTH JANUARY 19 85

NPDES # 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									
	2									
	3	0.012	<5.0	9.3						
	4									
	5	0.012	<5.0				50			
	6	0.034								
	7	0.033	<5.0	<1.0						
	8	0.046	<5.0				6.2			
	9	0.034								
	10	0.081	15	3.5			12			
	11									
	12	0.034								
	13	0.012	18				15			
	14	0.031	<5.0	<1.0						
	15	0.074								
	16	0.122	<5.0				17			
	17	0.073	<5.0	<1.0						
	18	0.087	<5.0				9.3			
	19	0.113								
	20	0.046	11				5.7			
	21									
	22	0.034								
	23	0.008	5.3				22			
	24	0.115	6.1	10			7.5			
	25	0.085	8.1				9.8			
	26	0.074								
	27	0.067								
	28	0.033								
	29	0.082	16	6.7			12			
	30									
	31	0.046	<5.0				22			
MAX	0.122	18	10			50				
AVG	0.056	<7.8	<4.6			16				

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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 105: RESIDUAL HEAT REMOVAL

MONTH JANUARY 19 85

NPDES # AL0022080

PARAM	FLOW	TEMP																		
AVG	-	-																		
MAX	-	-																		
UNITS	MGD	°F																		
FREQ	1/WK	1/WK																		
DATE	1																			
	2																			
	3																			
	4																			
	5																			
	6																			
	7																			
	8																			
	9																			
	10																			
	11																			
	12																			
	13																			
	14																			
	15																			
	16	*																		
	17																			
	18	1.15	188																	
	19																			
	20																			
	21																			
	22																			
	23	1.15	155																	
	24	*																		
	25																			
	26																			
	27																			
	28																			
	29																			
	30	*																		
	31																			
MAX	1.15	188																		
AVG	0.46	172																		

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

Tennessee Valley Authority

Browns Ferry Nuclear Plant

Athens, Alabama 35611

DSN 106: CONDENSER COOLING WATER  
PUMP STATION SUMP

MONTH JANUARY 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	0.043	<5.0	5.0								
	5											
	6											
	7											
	8											
	9											
	10											
	11	0.036	<5.0	<1.0								
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19	0.029	<5.0	5.6								
	20											
	21											
	22											
	23											
	24											
	25											
	26	0.036	<5.0	7.6								
	27											
	28											
	29											
	30											
	31											
MAX	0.043	<5.0	7.6									
AVG	0.036	<5.0	<4.8									

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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 JANUARY 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	0.0009	<5.0	11								
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11	0.0022	<5.0	2.1								
	12											
	13											
	14											
	15	0.0015	<5.0	3.4								
	16											
	17											
	18											
	19											
	20											
	21											
	22	NO FLOW										
	23											
	24											
	25											
	26											
	27											
	28											
	29	NO FLOW										
	30											
	31											
MAX	0.0022	<5.0	11									
AVG	0.0009	<5.0	5.5									

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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 108: UNIT 1 AND 2 DIESEL  
GENERATOR BUILDING SUMP

MONTH JANUARY 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	0.0012	6.6	17									
	3												
	4												
	5												
	6												
	7												
	8												
	9	NO FLOW											
	10												
	11												
	12												
	13												
	14												
	15	NO FLOW											
	16												
	17												
	18												
	19												
	20												
	21												
	22	NO FLOW											
	23												
	24												
	25												
	26												
	27												
	28												
	29	NO FLOW											
	30												
	31												
MAX	0.0012												
AVG	0.0002	6.6	17										

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision of me or another person acting in my place and 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 \_\_\_\_\_



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

MONTH JANUARY 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	NO FLOW													
	3														
	4														
	5														
	6														
	7														
	8														
	9	NO FLOW													
	10														
	11														
	12														
	13														
	14														
	15	NO FLOW													
	16														
	17														
	18														
	19														
	20														
	21														
	22*	NO FLOW													
	23														
	24														
	25														
	26														
	27														
	28														
	29	NO FLOW													
	30														
	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 110: UNITS 1 AND 2 OFFICE  
BUILDING DRAIN

MONTH JANUARY 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	NO FLOW											
	3												
	4												
	5												
	6												
	7												
	8												
	9	NO FLOW											
	10												
	11												
	12												
	13												
	14												
	15	NO FLOW											
	16												
	17												
	18												
	19												
	20												
	21												
	22	NO FLOW											
	23												
	24												
	25												
	26												
	27												
	28												
	29	NO FLOW											
	30												
	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 111: SEWAGE TREATMENT PLANT

MONTH JANUARY 19 85

NPDES # AL0022080

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

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