

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT**

DSN 101: DIFFUSER DISCHARGE  
STRUCTURE

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

NPDES # AL0022080

PARAM	FLOW	pH	AMBIENT RIVER TEMPERATURE								
AVG	-	6.0	-								
MAX	-	9.0	-								
UNITS	MGD	UNITS	-								
FREQ	CONT	1/WK	2/, 6/ CONT								
DATE	1	2534	81.8								
	2	2534	82.3								
	3	2534	82.5								
	4	2534 7.7-7.9	81.9								
	5	2534	80.3								
	6	2534	78.9								
	7	2534	78.9								
	8	2534	78.6								
	9	2534	77.6								
	10	2218	77.0								
	11	1901 7.7-7.8	78.2								
	12	2218	79.1								
	13	2218	79.5								
	14	2218	79.9								
	15	2218	80.4								
	16	2218	79.2								
	17	2218	76.7								
	18	2218 7.6-7.8	75.1								
	19	2218	75.8								
	20	2218	75.6								
	21	2218	76.1								
	22	2218	75.8								
	23	2218	74.4								
	24	2218 7.9	75.7								
	25	2218	76.2								
	26	2218	76.3								
	27	2218	75.5								
	28	2218	74.1								
	29	2534	72.8								
	30	2534	71.0								
	31										
MAX	2534	7.6-7.9	82.5*								
AVG											

8411060210 840930  
PDR ADOCK 05000259  
R PDR

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. \*24-HOUR RUNNING AVERAGE.

Original signed by  
Martin E. Rivers

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

Date \_\_\_\_\_

OCT 25 1984

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN 102: SEDIMENTATION POND  
EFFLUENT

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

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

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

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT**

DSN 103: UNITS 1, 2, AND 3  
TURBINE BUILDING  
SUMP

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

NPDES # AL0022080

PARAM	FLOW	O&G	TSS									
AVG	-	15	20									
MAX	-	30	100									
UNITS	MGD	MG/L	MG/L									
FREQ	1/WK	1/WK	1/WK									
DATE	1											
	2											
	3	0.175	<5	9.5								
	4											
	5											
	6	0.175	<5	18								
	7											
	8											
	9											
	10	0.175	<5	15								
	11											
	12											
	13	0.175	<5	12								
	14											
	15											
	16											
	17	0.175	<5	7.9								
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28	0.207	<5	12								
	29											
	30											
	31											
MAX	0.207	<5	18									
AVG	0.180	<5	12									

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: \_\_\_\_\_  
ADEM Form 43 3/84

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN 104: LIQUID RADWASTE SYSTEM

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

NPDES # AL0022080

PARAM	FLOW	O&G	TSS	TOTAL Cu	TOTAL Fe							
AVG	-	15	30	-	-							
MAX	-	20	100	1.0	1.0							
UNITS	MGD	MG/L	MG/L	MG/L	MG/L							
FREQ	1/BATCH	2/WK	2/WK	1/BATCH	1/BATCH							
DATE	1	0.046	<5	7.7								
	2	0.034	<5	<1.0								
	3	0.036	<7.5	<2.9								
	4											
	5	0.085	<5	<2.8								
	6	0.074	<5	<1								
	7	0.046	<5	18								
	8											
	9	0.012	17	31								
	10											
	11	0.012	<5	8.9								
	12											
	13	0.012	<5	7.4								
	14											
	15	0.012	<5	8.4								
	16											
	17											
	18	0.086	<8.5	<14								
	19	0.074	<9.7	<1.1								
	20	0.051	<5	<4.2								
	21	0.074	<5	<1.2								
	22	0.086	<5	<16								
	23	0.014	<5	38								
	24	0.042	<5	7.0								
	25	0.036	<5	1.9								
	26	0.084	<5	12								
	27			<1								
	28	0.034	<5	22								
	29	0.012	<5	50								
	30	0.011										
	31											
MAX	0.114	17	50									
AVG	0.049	<6.1	<12									

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: \_\_\_\_\_  
ADEM Form 43 3/84



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN 105: RESIDUAL HEAT

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

NPDES # AL0022080

PARAM	FLOW	TEMP										
AVG	-	-										
MAX	-	-										
UNITS	MGD	°F										
FREQ	1/WK	1/WK										
DATE	1											
	2											
	3											
	4	24.5	78									
	5		78									
	6		80									
	7		112									
	8		117									
	9	24.5	112									
	10		178									
	11		140									
	12		158									
	13											
	14											
	15											
	16		156									
	17		135									
	18		198									
	19	24.5	132									
	20		148									
	21		139									
	22		145									
	23	24.5										
	24		167									
	25		140									
	26		56									
	27											
	28											
	29		126									
	30											
	31											
MAX	24.5	198										
AVG												

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

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN 106: CCW PUMP STATION SUMP

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

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	0.029	<5	4.5								
	5											
	6											
	7	0.032	<5	6.7								
	8											
	9											
	10											
	11	0.029	<5	3.3								
	12											
	13											
	14	0.029	<5	13								
	15											
	16											
	17											
	18	0.058	<5	4.8								
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28	0.029	<5	12								
	29											
	30											
	31											
MAX	0.058	<5	13									
AVG	0.034	<5	7.4									

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

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN 107: UNIT 3 CONTROL  
BUILDING DRAIN

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

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	No flow											
	5												
	6												
	7	No flow											
	8												
	9												
	10												
	11	No flow											
	12												
	13												
	14												
	15												
	16												
	17												
	18	No flow											
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28	No flow											
	29												
	30												
	31												
MAX													
AVG	No flow												

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

## ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

## DISCHARGE MONITORING REPORT

DSN 108: UNITS 1 & 2  
DIESEL GENERATION  
BUILDING DRAINTennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611MONTH SEPTEMBER 19 84NPDES # 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	No flow											
	5												
	6												
	7	No flow											
	8												
	9												
	10												
	11	No flow											
	12												
	13												
	14	No flow											
	15												
	16												
	17												
	18	No flow											
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28	No flow											
	29												
	30												
	31												
MAX													
AVG	No flow												

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



## ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

## DISCHARGE MONITORING REPORT

DSN 109: UNIT 3 DIESEL  
GENERATION BUILDING  
SUMPTennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611MONTH SEPTEMBER 19 84NPDES # 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	No flow											
	5												
	6												
	7	No flow											
	8												
	9												
	10												
	11	No flow											
	12												
	13												
	14	No flow											
	15												
	16												
	17												
	18	No flow											
	19												
	20												
	21												
	22												
	23												
	24												
	25												
	26												
	27												
	28	No flow											
	29												
	30												
	31												
MAX													
AVG	No flow												

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

**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT**

DSN 110: UNITS 1 & 2  
OFFICE BUILDING  
DRAIN

Tennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

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	No flow										
	5											
	6											
	7	No flow										
	8											
	9											
	10											
	11	No flow										
	12											
	13											
	14	No flow										
	15											
	16											
	17											
	18	No flow										
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28	No flow										
	29											
	30											
	31											
MAX												
AVG	No flow											

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

## ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

## DISCHARGE MONITORING REPORT

DSN 111: SEWAGE TREATMENT  
PLANTTennessee Valley Authority  
Browns Ferry Nuclear Plant  
Athens, Alabama 35611MONTH SEPTEMBER 19 84NPDES # 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	0.030										
	2	0.024										
	3	0.024										
	4	0.030	27	37								
	5	0.030										
	6	0.030										
	7	0.034										
	8	0.020										
	9	0.022										
	10	0.031										
	11	0.030	26	39								
	12	0.031										
	13	0.031										
	14	0.030										
	15	0.020										
	16	0.019										
	17	0.035										
	18	0.040										
	19	0.052	26	36								
	20	0.062										
	21	0.037										
	22	0.033										
	23	0.036										
	24	0.044										
	25	0.039										
	26	0.042										
	27	0.044	16	24								
	28	0.043										
	29	0.028										
	30	0.028										
	31											
MAX	0.062	27	39									
AVG	0.033	24	34									

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