

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

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0/1

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: _____

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 _____
ADEM Form 43 3/84

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
Tennessee Valley Authority
Browns Ferry Nuclear Plant
Athens, Alabama 35611

DSN 108: UNITS 1 & 2
DIESEL GENERATION
BUILDING DRAIN

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 109: UNIT 3 DIESEL
GENERATION 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	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 # AL00220E0

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
PLANT

Tennessee Valley Authority
Browns Ferry Nuclear Plant
Athens, Alabama 35611

MONTH SEPTEMBER 19 84

NPDES # 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	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 _____