DSN 101: DIFFUSER DISCHARGE Tennessee Valley Authority

STRUCTURE Browns Ferry Nuclear Plant Athens, Alabama 35611 19 84 SEPTEMBER NPDES # AL0022080 MONTH . AMBIENT RIVER PARAM FLOW pH TEMPERATURE AVG 6.0 MAX 9.0 UNITS MGD UNITS FREQ 1/WK 2/, 6/ CONT CONT 1 2534 81.8 82.3 2 2534 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 8411060210 840930 PDR ADOCK 05000259 PDR 31

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 \*24-HOUR RUNNING AVERAGE. Martin E. Rivers Date.

Signature of Responsible Official \_\_ ADEM Form 43 3/84

2534

7.6-7.9

82.5\*

MAX

AVG

OCT 2 5 1984

DSN 102: SEDIMENTATION POND

EFFLUENT

Tennessee Valley Authority Browns Ferry Nuclear Plant

PAR	RAM	FLOW	рН	0&G	TSS						
-											
AV		-	6.0	15	30						
MA	X	-	9.0	20	100						
UNI	ITS	MGD	UNITS	MG/L	MG/L						
FR	EQ	1/BATCH		1/BATCH	2/BATCH						143
	1										
	2										
	3										
	4	NO FLOW									
	5										
	6										
	7	NO FLOW		1171.							
	8										
	9										
	10		THE PARTY								
	11	NO FLOW				Continue Manager 1					
	12							Head			
	13			Herita de							
	14	NO FLOW									
(a)	15										
DATE	16										Rest. L
Ω	17										
	18	NO FLOW									
	19								al-trace to		
	20										
	21		1								
	22										
	23										
	24										
	25										
4	26										
	27										
	28	NO FLOW						1			
	29					10.4				THE H	
- N	30					1 - 1 1 1 1 1 1					
	31			N	MIN N		TEN THE				
MA	X				I						
AV	-	NO FIOW									

I certify under penalty of law that this document and all attechments 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		

DSN 103: UNITS 1, 2, AND 3.

Tennessee Valley Authority Browns Ferry Nuclear Plant

TURBINE BUILDING SUMP Athens, Alabama 35611 MONPETT

MON'	TH _	SEPTE	MRER	19	84_				NPDES	#_AL002	2080	
PAI	RAM	FLOW	0&G	TSS								
AV	/G	-	15	20								
MA	X	-	30	100	TE BAS							
UNI	ITS	MGD	MG/L	MG/L								
FR	EQ	1/WK	1/WK	1/WK								
	2											
	3	0 175	75	0.5		+	-		-			
	4	0.175	<5	9.5		+		-		-		
	5					1						
	6	0.175	<5	18		1						
	7											
	8	- 1-										
	9											
	10	0.175	<5	15								
	11								Maria I			
	12			detroit les			-1000					
	13	0.175	<5	12								
	14											
(±3	15											
DATE	16											
	17	0.175	<5	7.9								
	18					1/2/2/2						
	19					-						
	20					-						
	21											
	23											
	24											
	25					-						
	26					-						
	27					-						
	28	0.207	<5	12		-						
	29	0.201		14								
	30				ne el el co		R. C. C. C.					
	31			K. DHI A		100			T T ASS			
MA	-	0.207	15	10		T						
AV	Market Samuel	0.207	<5 <5	18		-						
-		0.100	()	12		1						

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	

DSN 104: LIQUID RADWASTE SYSTEM

Tennessee Valley Authority Browns Ferry Nuclear Plant Athens, Alabama 35611

PAI	RAM	FLOW	O&G	TSS	TOTAL	TOTAL Fe					
AV	/G	1	15 20	30 100 MG/L	-	-					
MA	X	-			1.0	1.0					
UNI	ITS	MGD	MG/L		MG/L	MG/L					
FR	EQ	1/BATCH	2/WK	2/WK	1/BATCH	1/BATCH					
	1	0.046	<b>45</b>	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			, milet							
	9	0.012	17	31							
	10					Hart I like					
	11	0.012	<5	8.9							
	12				i catal	Secretary United					
	13	0.012	<5	7.4							
	14										
	15	0.012	<5	8.4							
DAIE	16										
2	17										
	18	0.086	<8.5	<14							
	19	0.074	49.7	<1.1							
ы	20	0.051	<5	<4.2							
	21	0.074	<5	<1.2							
	22	0.086	<5	<16		* * 10 F - F					
	23		<5	38							-
	24	0.042	<5	7.0							-
	25		<5	1.9							
	26	0.084	<5	12		College College					
	27	0.001		ζ1							
	28	0.034	<b>&lt;</b> 5	22					1		-
	29	0.012	<5	50		11		1	1	1	
	30	0.011		30				+			
	31	0.01					1				
MA	-		1				+	+	1	1	
AV	-	0.114	17	50			-	-			
AV	0	0.049	(6.1	<12							

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	

DSN 105: RESIDUAL HEAT

Tennessee Valley Authori & Browns Ferry Nuclear Plant Athens, Alabama 35611

IONT	гн _	SEPTE	MBER	1984	Athens,				NPDES	#_AL002	2080	
PAR	MAS	FLOW	TEMP									
AV	G	-	-									
MA	х	- MGD	_									
UNI	TS		o <sub>F</sub>									
FRI	EQ	1/WK	1/WK									
-14	1											
	2											
7	3									<u> </u>		
	4	24.5	78									
	5		78						1			
	6		80									
	7		112									
	8	THE STATE OF	117						Admin to 2			
	9	24.5	112									
Н	10		178									
	11		140									
	12		158									
	13							Hard .				
	14											4
[ii]	15											
DATE	16		156									
	17		135									
	18		198									
	19	24.5	132									
	20	Pho Pr	148									
	21		139									
	22		145				1 11					
	23	24.5			N . 1				10.1			
	24		167		17.71 B 11 W							
	25		140							11.00		
	26		56							Hile		4144
	27	will be					42 19		H			
	28		Ethes III		De l'or							
	29		126							Links 1		To the same
	30										EDECL	
	31								115.		E E	THE STATE OF
MA	хТ	24.5	198			Ī						
AVO	-											

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		

DSN 106: CCW PUMP STATION SUMP

Tennessee Valley Authority Browns Ferry Nuclear Plant

IONT	гн	SEI	PTEMBER	19_8	34			NPDES	# AL00	22080	
PAR	RAM	FLOW	0 & G	TSS							
AV	'G		15	30							
MA	Х	MGD		100							
UNI			mg/1	mg/1							
FRI	EQ	1/wk	1/wk	1/wk							
	1										
1.0	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			male la la				
	12										
	13										
		0.029	<5	13							
ш	15										
DATE	16	(A) 1 TO									
	17										
	18	0.058	<5	4.8							
	19										
33	20										
	21										
	22										
	23						37 23 27 7				
	24										
	25			Green St. Phys.							
	26			HILLS B. Line		Licus II					
	27	BEI TE		BALL TREE				rblette.			
	28	0.029	<5	12							
	29			III CES TO		WITT !		4 - 1 - 5 - 5			
	30							1000			
	31	4.712			Charles I						
MA	x	0.058	<b>&lt;</b> 5	13				İ	1		1
AV	-	0.034	<5	7.4							

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 Offi	cial	Date	
ADEM Form 43 3/84		11-1	

DSN 107: UNIT 3 CONTROL

Browns Ferry Nuclear Plant

MONT	гн _		EMBER	19_		Athens, Alabama 35611					NPDES # _AL0022080				
PAI	MAS	FLOW	0 & G												
AV	G		15	30				Hall			Ly The	1			
MA	х		20	100											
UNI	TS	MGD	mg/1	mg/1											
FR	EQ	1/wk		1/wk									12.00		
	1														
	2														
	3														
	4	No flow													
	5														
	6														
		No flow													
	8												-		
	9														
	10												-		
	<b>Excellence</b>	No flow					-								
	12						-								
	13							-					-		
	14								-				-		
[2] F-1	-						-	-					-		
DATE	16								-				-		
	17						-								
	19	No flow							-			-	-		
										-		-	-		
	20 21														
	22														
	23														
	24												-		
	25														
	26								Mar. May	The state of					
	27			E Transfer	11153										
	-	No flow								1111					
	29							10 m							
	30							-							
H	31				Le i e		00.4 5	10-	125 123	1. 2. 1. 1					
MA	X	i	i	T			Ī	Ī	Ì			İ	i		
2 80	-												-		

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 108: UNITS 1 & 2

DIESEL GENERATION

Tennessee Valley Authority Browns Ferry Nuclear Plant

Athens, Alabamm 35611 BUILDING DRAIN MONTH \_ SEPTEMBER 19 84 NPDES # AL0022080 PARAM FLOW 0 & G TSS AVG 15 30 MAX 20 100 UNITS MGD mg/1mg/1FREC 1/wk 1/wk 1/wk 1 2 3 4 No flow 5 6 No flow 8 9 10 11 No flow 12 13 14 No flow 15 16 17 18 No flow 19 20 21 23 26 No flow 29 30 31 MAX AVG No flow

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		

DSN 109: UNIT 3 DIESEL
GENERATION BUILDING
SUMP

Tennessee Valley Authority Browns Ferry Nuclear Plant Athens, Alabama, 35611

PAF	RAM	FLOW	0 & G	TSS	14. 19.				1		
AVG MAX UNITS		15	30								
			20	100							
		-				+		-	-		-
		MGD	mg/l	mg/1							-
FR	EQ	1/wk	1/wk	1/wk							
	1								1.00		
	2										
	3										
	4	No flow		nen i.							
	5					OT THE			Public 1		
	6			District VI					LIEU EU		
	7	No flow									
	8										
	9										
	10										
	11	No flow									
	12										
	13									7	
	14	No flow									
ш	15						100000				
	16										
0	17										
	The same of the same of	No flow									
	19					1					
	20										
	21										100
	22										
	23										
	24					1					
	25										
	26					 1					
	27	DO DO									
	28	No flow									
	29					1			1		
	30					1					
	31						-				
MA	Name and Address of the Owner, where	1				1		1	1		-
AV	The same of the sa	No flow				 -			-		-

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	

DSN 110:

UNITS 1 & 2

OFFICE BUILDING

Tennessee Valley Authority Browns Ferry Nuclear Plant

Athens, Alabama 35611 DRAIN NPDES # AL0022080 19\_84 SEPTEMBER MONTH PARAM FLOW 0 & 0 TSS AVG 15 30 MAX 20 100 UNITS mg/J mg/1 MGD. FREQ 1/wk 1/wk 1/wk 1 2 3 No flow 4 5 6 7 No flow 8 9 10 11 No flow 12 13 14 No flow 15 16 17 18 No flbw 19 20 21 22 23 24 25 26 27 28 No flow 29 30 11 MAX AVG No flow

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		

DSN 111: SEWAGE TREATMENT PLANT

31

0.062

0.033

27

24

39

34

MAX

AVG

Tennessee Valley Authority

Browns Ferry Nuclear Plant Athens, Alabama 35611 SEPTEMBER 19 84 MONTH NPDES # \_ AL0022080 PARAM FLOW BOD, TSS AVG 30 30 MAX 45 45 UNITS MGD mg/1mg/1 FREQ 5/wk 1/wk 1/wk 0.030 2 0.024 3 0.024 4 0.030 27 37 0.030 5 0.030 7 0.034 0.020 0.022 9 10 0.031 0.030 26 39 11 12 0.031 0.031 13 14 0.030 15 0.020 0.019 16 17 0.035 18 0.040 19 0.052 26 36 20 0.062 0.037 21 22 0.033 23 0.036 0.044 24 0.039 25 26 0.042 0.044 27 16 24 28 0.043 0.028 29 30 0.028

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

Signature of Responsible Official	Date
ADEM Form 43 3/84	