

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
 FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

AL0022080  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

MULTIPLE MODE CONDENSER  
 COOLING WATER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01	TO	84	07	09
(20-21)	(22-24)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT		1901	MGD					0	CONT	REC OR P LOG
	PERMIT REQUIREMENT	NA	NA							CONT	REC OR P LOG
TEMPERATURE INTAKE/DISCHARGE	SAMPLE MEASUREMENT		92.9/153	°F					0	8/30**	REC OR P LOG
	PERMIT REQUIREMENT	NA	NA							CONT	REC
RESERVOIR TEMPERATURE RISE	SAMPLE MEASUREMENT		3.1	°F					0	8/30**	REC
	PERMIT REQUIREMENT	NA	5.0							CONT	TAPE REC
DOWNSTREAM RESERVOIR TEMPERATURE	SAMPLE MEASUREMENT		86.6	°F					0	9/30	REC
	PERMIT REQUIREMENT	NA	90.0*							CONT	TAPE REC
CONDENSER COOLING WATER CHLORINE RESIDUAL FREE/TOTAL UNIT 1	SAMPLE MEASUREMENT				NO CHLORINATING			MG/L			
	PERMIT REQUIREMENT				NA	0.2/NA	0.5/NA			1/7	MULT GR
CONDENSER COOLING WATER CHLORINE RESIDUAL FREE/TOTAL UNIT 2	SAMPLE MEASUREMENT				NO CHLORINATING			MG/L			
	PERMIT REQUIREMENT				NA	0.2/NA	0.5/NA			1/7	MULT GR
CONDENSER COOLING WATER CHLORINE RESIDUAL FREE/TOTAL UNIT 3	SAMPLE MEASUREMENT				NO CHLORINATING			MG/L			
	PERMIT REQUIREMENT				NA	0.2/NA	0.5/NA			1/7	MULT GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Original signed by Martin E. Rivers  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 TELEPHONE  
 DATE  
 FTS AREA CODE 856-6601  
 84 08 28  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

\*BASED ON A JULY 15, 1979, LETTER FROM JOHN ALEC LITTLE, EPA, TO HERBERT S. SANGER, TVA.  
 \*\*DATA WAS NOT AVAILABLE DUE TO COMPUTER MALFUNCTION ONE DAY THIS REPORTING PERIOD.

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NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
 FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

AL0022080  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

MULTIPLE MODE CONDENSER  
 COOLING WATER

MONITORING PERIOD  
 FROM 84 07 01 TO 84 07 09  
(10-31) (12-31) (12-25) (10-27) (12-29) (10-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
AUXILIARY RAW COOLING WATER CHLORINE RESIDUAL FREE/TOTAL UNIT 1	SAMPLE MEASUREMENT					NO CHLORINATING					
	PERMIT REQUIREMENT				NA	NA	0.5/NA		1/7	GR	
AUXILIARY RAW COOLING WATER CHLORINE RESIDUAL FREE/TOTAL UNIT 2	SAMPLE MEASUREMENT					NO CHLORINATING					
	PERMIT REQUIREMENT				NA	NA	0.5/NA		1/7	GR	
AUXILIARY RAW COOLING WATER CHLORINE RESIDUAL FREE/TOTAL UNIT 3	SAMPLE MEASUREMENT					NO CHLORINATING					
	PERMIT REQUIREMENT				NA	NA	0.5/NA		1/7	GR	
EMERGENCY EQUIPMENT COOLING WATER CHLORINE RESIDUAL/TOTAL UNIT 1	SAMPLE MEASUREMENT					0.31/0.54	0.41/0.77	MG/L	0	18/30	MULT GR
	PERMIT REQUIREMENT				NA	NA	0.8		1/7	GR	
EMERGENCY EQUIPMENT COOLING WATER CHLORINE RESIDUAL/TOTAL UNIT 2	SAMPLE MEASUREMENT					0.30/0.50	0.61/0.77	MG/L	0	18/30	MULT GR
	PERMIT REQUIREMENT				NA	NA	0.8		1/7	GR	
EMERGENCY EQUIPMENT COOLING WATER CHLORINE RESIDUAL/TOTAL UNIT 3	SAMPLE MEASUREMENT					0.45/0.71	0.70/0.78	MG/L	0	18/30	MULT GR
	PERMIT REQUIREMENT				NA	NA	0.8		1/7	GR	
pH	SAMPLE MEASUREMENT				8.2		8.2	UNITS	0	1/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF <small>TYPED OR PRINTED</small>	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved  
OMB No. 2000-0015

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

AL0022080  
PERMIT NUMBER

003  
DISCHARGE NUMBER

RESIDUAL HEAT REMOVAL SERVICE WATER

FACILITY BROWNS FERRY NUCLEAR PLANT  
LOCATION ATHENS, AL 35611

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01		84	07	09
<small>(20-21)</small>	<small>(22-23)</small>	<small>(24-25)</small>		<small>(26-27)</small>	<small>(28-29)</small>	<small>(30-31)</small>

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT	NA	NA	MGD					1/7	EST
TEMPERATURE	SAMPLE MEASUREMENT			°F						
	PERMIT REQUIREMENT	NA	NA						1/1	GR
TOTAL CHLORINE	SAMPLE MEASUREMENT						MG/L			
	PERMIT REQUIREMENT				NA	NA	0.8		1/7	MULT GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MARTIN E. RIVERS, DIRECTOR  
OF ENVIRONMENTAL QUALITY  
STAFF

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

FTS  
AREA  
CODE

856-6601

84 08 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

(2-16)  
 AL0022080  
 PERMIT NUMBER

(17-19)  
 005  
 DISCHARGE NUMBER

SEDIMENTATION POND

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
		(24-25)			(26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-43) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE			MGD						
	PERMIT REQUIREMENT	NA	NA							1/ DISCH	GR
OIL AND GREASE	SAMPLE MEASUREMENT							MG/L			
	PERMIT REQUIREMENT				NA	15	20		1/ DISCH	GR	
SUSPENDED SOLIDS	SAMPLE MEASUREMENT							MG/L			
	PERMIT REQUIREMENT				NA	30	100		1/ DISCH	GR	
pH	SAMPLE MEASUREMENT							UNITS			
	PERMIT REQUIREMENT				6.0		9.0		1/ DISCH	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
FACILITY BROWNS FERRY NUCLEAR PLANT  
LOCATION ATHENS, AL 35611

AL0022080  
PERMIT NUMBER

006  
DISCHARGE NUMBER

SEWAGE TREATMENT PLANT

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW	SAMPLE MEASUREMENT	0.029	0.036	MGD				0	9/30	REC	
	PERMIT REQUIREMENT	NA	NA						1/7	GR	
BOD <sub>5</sub> INFLUENT/EFFLUENT	SAMPLE MEASUREMENT					190/84	MG/L	1	1/30	GR	
	PERMIT REQUIREMENT				NA	-/30	-/45		1/30	GR	
BOD <sub>5</sub> PERCENT REMOVAL	SAMPLE MEASUREMENT	56		PERCENT				0			
	PERMIT REQUIREMENT	85									
SUSPENDED SOLIDS INFLUENT/EFFLUENT	SAMPLE MEASUREMENT					190/36	MG/L	0	4/30	GR	
	PERMIT REQUIREMENT				NA	-/30	-/45		1/30	GR	
SUSPENDED SOLIDS PERCENT REMOVAL	SAMPLE MEASUREMENT	53		PERCENT				0			
	PERMIT REQUIREMENT	85									
FECAL COLIFORM	SAMPLE MEASUREMENT					90	N/100 ML	0	1/30		
	PERMIT REQUIREMENT				NA	200	400		1/90	GR	
SETTLABLE SOLIDS	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	ML/L	0	9/30	GR
	PERMIT REQUIREMENT				NA	1.0	1.0		1/1	GR	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
MARTIN E. RIVERS, DIRECTOR  
OF ENVIRONMENTAL QUALITY  
STAFF  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE
ETS AREA CODE: 856-6601	YEAR: 84, MO: 08, DAY: 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT  
NO. ALOG22080 - BROWNS FERRY NUCLEAR PLANT

Description of the discharge--Discharge No. 006 - Sewage treatment plant effluent. Analyses of grab samples collected in July 1984 had the following parameters to exceed the maximum permit limitations.

<u>Date</u>	<u>Parameter</u>	<u>Concentration</u>	<u>Maximum Limitation</u>
7/05	BOD <sub>5</sub>	84 mg/L	45 mg/L
7/11	BOD <sub>5</sub>	52 mg/L	45 mg/L
7/17	TSS <sub>5</sub>	77 mg/L	45 mg/L
7/23	TSS	75 mg/L	45 mg/L

Cause and period of the noncompliance--The sewage treatment plant is overloaded. High flows contribute directly to the noncompliances by washing solids over the clarifier weir.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--The chlorine contact tank is periodically pumped out to help reduce permit noncompliances resulting from overloaded conditions. A sewage treatment lagoon to replace the facility is under construction. The sewage treatment plant will be operated as close as possible to permit limits until the lagoon is operational.

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

DISCHARGE MONITORING REPORT (DMR)

(2-16)

(17-19)

AL0022080  
 PERMIT NUMBER

006  
 DISCHARGE NUMBER

SEWAGE TREATMENT PLANT

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FROM

TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-43) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
TOTAL CHLORINE RESIDUAL	SAMPLE MEASUREMENT				1.8	2.1	2.4	MG/L	0	9/30	GR
	PERMIT REQUIREMENT				NA	NA	NA			1/1	GR
pH	SAMPLE MEASUREMENT				7.0		8.4	UNITS	0	9/30	GR
	PERMIT REQUIREMENT				6.0		9.0			1/7	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR  
 OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 DATE  
 FTS AREA CODE 856-6601  
 YEAR 84 MO 08 DAY 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

(2-16)  
 AL0022080  
 PERMIT NUMBER

(17-19)  
 007  
 DISCHARGE NUMBER

RADWASTE SYSTEM

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01		84	07	09
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OIL AND GREASE	SAMPLE MEASUREMENT				<5.0	<5.0	<5.0	MG/L	0	5 BATCHES	GR
	PERMIT REQUIREMENT				NA	15	20			1/BATCH	
SUSPENDED SOLIDS	SAMPLE MEASUREMENT				<1.0	<6.7	10	MG/L	0	5 BATCHES	GR
	PERMIT REQUIREMENT				NA	30	100			1/BATCH	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 19 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

AL0022080  
 PERMIT NUMBER

008  
 DISCHARGE NUMBER

STATION SUMP NO. 1

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01	TO	84	07	09
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

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PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.124	0.124	MGD				0	3/30	GR
	PERMIT REQUIREMENT	NA	NA						2/7	GR
pH	SAMPLE MEASUREMENT				7.7		7.8	0	2/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT	<5.2	<5.2	LBS/DAY	<5.0	<5.0	<5.0	0	3/30	GR
	PERMIT REQUIREMENT	73	170			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT	13	15	LBS/DAY	9.5	13	15	0	3/30	3-GR COMP
	PERMIT REQUIREMENT	150	840			30	100		2/7	3-GR COMP
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

(2-16)  
AL0022080  
PERMIT NUMBER

(17-19)  
009  
DISCHARGE NUMBER

STATION SUMP NO. 2

FACILITY BROWNS FERRY NUCLEAR PLANT  
LOCATION ATHENS, AL 35611

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
(120-21)	(122-23)	(124-25)	(126-27)	(128-29)	(130-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW	SAMPLE MEASUREMENT	0.019	0.019	MGD				0	3/30	GR	
	PERMIT REQUIREMENT	NA	NA						2/7	GR	
pH	SAMPLE MEASUREMENT				7.5		7.8	UNITS	0	2/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR	
OIL AND GREASE	SAMPLE MEASUREMENT	<0.79	<0.79	LBS/DAY	<5.0	<5.0	<5.0	MG/L	0	3/30	GR
	PERMIT REQUIREMENT	73	170			15	20		2/7	GR	
SUSPENDED SOLIDS	SAMPLE MEASUREMENT	1.6	1.7	LBS/DAY	8.6	10	11	MG/L	0	3/30	3-GR COMP
	PERMIT REQUIREMENT	150	840			30	100		2/7	3-GR COMP	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

AL0022080  
 PERMIT NUMBER

010  
 DISCHARGE NUMBER

STATION SUMP NO. 3

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01		84	07	09
(120-21)	(122-23)	(124-25)		(126-27)	(128-29)	(130-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(1 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.032	0.032	MGD				0	3/30	GR
	PERMIT REQUIREMENT	NA	NA						2/7	GR
pH	SAMPLE MEASUREMENT				7.5		7.8	0	2/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT	<1.3	<1.3	LBS/DAY	<5.0	<5.0	<5.0	0	3/30	GR
	PERMIT REQUIREMENT	73	170			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT	3.5	4.0	LBS/DAY	10	13	15	0	3/30	3-GR COMP
	PERMIT REQUIREMENT	150	840			30	100		2/7	3-GR COMP
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR  
 OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 FTS | 856-6601  
 AREA CODE | NUMBER | YEAR | MO | DAY  
 84 | 08 | 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6412 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

AL0022080  
 PERMIT NUMBER

011  
 DISCHARGE NUMBER

CCW PUMP STATION

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
<small>(12-31)</small>	<small>(12-31)</small>	<small>(24-25)</small>	<small>(12-31)</small>	<small>(12-29)</small>	<small>(10-31)</small>

FROM

TO

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.026	0.029	MGD				0	3/30	GR
	PERMIT REQUIREMENT	NA	NA						2/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT	<1.1	<1.2	LBS/DAY	<5.0	<5.0	<5.0	0	3/30	GR
	PERMIT REQUIREMENT	1.3	5.0			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT	1.4	1.9	LBS/DAY	5.3	6.6	7.9	0	3/30	GR
	PERMIT REQUIREMENT	2.5	25.0			30	100		2/7	GR
pH	SAMPLE MEASUREMENT				6.0		8.2	0	2/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR  
 OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 856-6601  
 DATE: 84 08 28  
 FTS AREA CODE: 856-6601  
 NUMBER: 856-6601  
 YEAR: 84  
 MO: 08  
 DAY: 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
 FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

AL0022080  
PERMIT NUMBER

012  
DISCHARGE NUMBER

CONDENSER TUBE PULLING AREA SUMP

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
<small>(20-21)</small>	<small>(22-23)</small>	<small>(24-25)</small>	<small>(26-27)</small>	<small>(28-29)</small>	<small>(30-31)</small>

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.0010	0.0012	MGD				0	2/30	GR
	PERMIT REQUIREMENT	NA	NA						2/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT	<0.06	0.06	LBS/DAY	<5.0	<7.2	9.4	0	2/30	GR
	PERMIT REQUIREMENT	1.3	5.0			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT	0.05	0.06	LBS/DAY	6.0	6.1	6.2	0	2/30	GR
	PERMIT REQUIREMENT	2.5	25.0			30	100		2/7	GR
pH	SAMPLE MEASUREMENT				6.2		7.4	0	2/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR  
 OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 DATE  
 FTS AREA CODE 856-6601 84 08 28  
 NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
 FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

(2-16) A10022080 PERMIT NUMBER	(17-19) 013 DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY 84 07 01 <small>(10-21) (12-21) (14-25)</small>	YEAR MO DAY 84 07 09 <small>(16-27) (18-29) (10-31)</small>

OFFICE BUILDING DRAIN

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE			MGD						
	PERMIT REQUIREMENT	NA	NA						2/7	GR	
OIL AND GREASE	SAMPLE MEASUREMENT			LBS/DAY				MG/L			
	PERMIT REQUIREMENT	1.3	5.0			15	20		2/7	GR	
SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LBS/DAY				MG/L			
	PERMIT REQUIREMENT	2.5	25.0			30	100		2/7	GR	
pH	SAMPLE MEASUREMENT							UNITS			
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and a maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 2000-0015

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

(2-16)  
 AL0022080  
 PERMIT NUMBER

(17-19)  
 014  
 DISCHARGE NUMBER

CONTROL BUILDING DRAINS

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01	TO	84	07	09
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE			MGD					
	PERMIT REQUIREMENT	NA	NA						2/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT			LBS/DAY			MG/L			
	PERMIT REQUIREMENT	1.3	5.0			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LBS/DAY			MG/L			
	PERMIT REQUIREMENT	2.5	25.0			30	100		2/7	GR
pH	SAMPLE MEASUREMENT						UNITS			
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	856-6601	84	08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

AL0022080  
 PERMIT NUMBER

015  
 DISCHARGE NUMBER

DIESEL GENERATION BUILDING  
 SUMP NOS. 1 AND 2

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01	TO	84	07	09
(20-21)	(22-21)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	NO DISCHARGE			MGD						
	PERMIT REQUIREMENT	NA	NA						2/7	GR
OIL AND GREASE				LBS/DAY						
	PERMIT REQUIREMENT	18.8	50.1			15	20		2/7	GR
SUSPENDED SOLIDS				LBS/DAY						
	PERMIT REQUIREMENT	37.6	250			30	100		2/7	GR
pH										
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR  
 OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER: 856-6601  
 DATE: 84 08 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 2000-0015

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
 FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

AL0022080  
 PERMIT NUMBER

016  
 DISCHARGE NUMBER

DIESEL GENERATION BUILDING  
 SUMP NO. 3

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01		84	07	09
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MIN	MAX	UNITS			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT	NA	NA	MGD					2/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT			LBS/DAY			MG/L			
	PERMIT REQUIREMENT	18.8	50.1			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LBS/DAY			MG/L			
	PERMIT REQUIREMENT	37.6	250			30	100		2/7	GR
pH	SAMPLE MEASUREMENT						UNITS			
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
MARTIN E. RIVERS, DIRECTOR  
OF ENVIRONMENTAL QUALITY  
STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 TELEPHONE: 856-6601  
 DATE: 84 08 28  
 FTS AREA CODE: 856-6601  
 NUMBER: 856-6601  
 YEAR: 84 MO: 08 DAY: 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421  
 FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

AL0022080  
 PERMIT NUMBER

017  
 DISCHARGE NUMBER

HYPOCHLORINATION BUILDING DRAINS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01	TO	84	07	09
(20-31)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (58-65)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT	NA	NA	MGD					2/7	GR
OIL AND GREASE	SAMPLE MEASUREMENT			LBS/DAY			MG/L			
	PERMIT REQUIREMENT	18.8	50.1			15	20		2/7	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LBS/DAY			MG/L			
	PERMIT REQUIREMENT	37.6	250			30	100		2/7	GR
pH	SAMPLE MEASUREMENT						UNITS			
	PERMIT REQUIREMENT				6.0 <sup>a</sup>		9.0		1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 MARTIN E. RIVERS, DIRECTOR  
 OF ENVIRONMENTAL QUALITY  
 STAFF  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 TELEPHONE  
 DATE  
 FTS AREA CODE  
 856-6601  
 84 08 28  
 NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME TENNESSEE VALLEY AUTHORITY  
 ADDRESS 6411 EAST BRAINERD ROAD  
CHATTANOOGA, TN 37421

(2-16) AL0022080  
 PERMIT NUMBER  
 (17-19) 018  
 DISCHARGE NUMBER

CONSTRUCTION RUNOFF

FACILITY BROWNS FERRY NUCLEAR PLANT  
 LOCATION ATHENS, AL 35611

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	09
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	NO DISCHARGE									
	PERMIT REQUIREMENT	NA	NA							1/30	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT							MG/L			
	PERMIT REQUIREMENT						NA			1/30	GR
pH	SAMPLE MEASUREMENT							UNITS			
	PERMIT REQUIREMENT				6.0		9.0			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  MARTIN E. RIVERS, DIRECTOR OF ENVIRONMENTAL QUALITY STAFF  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS 856-6601	84	08	28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN: 101: DIFFUSER DISCHARGE STRUCTURE FLOW  
TVA

MONTH JULY 10-31 19 84 Browns Ferry Nuclear Plant

NPDES AL0022080

PARAM	FLOW	pH	Ambient River Temperature						
AVG	-	6.0	--						
MAX	-	9.0	--						
UNITS	MGD	s.u.	--						
FREQ	Contin- uous	1/week	2/, 6/	Contin- uous					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10	1901	8.24	86.7						
11	1901		88.3						
12	1901		88.7						
13	1901		88.1						
14	1584		88.0						
15	2218		88.4						
16	2218		88.3						
17	2218	7.79	87.1						
18	2218		83.4						
19	2218		85.4						
20	2218		86.4						
21	2218		87.4						
22	2218		87.1						
23	2218		86.7						
24	2218		86.7						
25	2218		87.5						
26	2534		88.3						
27	2534		87.3						
28	2534		85.8						
29	2534		84.7						
30	2534		82.8						
31	2534		82.7						
MAX	2534		88.4						
AVG									

DATE

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Signature of Responsible Official

Original signed by  
Martin E. Rivers

Date  
AUG 27 1984

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

TVA

USN:102: SEDIMENTATION POND

DATE: JULY 10-31 19 84

NPDES AL0022000

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

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Name of Responsible Official

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

TVA

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

MONTH JULY 10-31 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										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12	0.175	<5.0	17							
	13										
	14										
	15										
	16	0.175	<5.0	12							
	17										
	18										
	19	0.175	<5.0	14							
	20										
	21										
	22										
	23	0.175	<5.0	18							
	24										
	25										
	26										
	27	0.175	<5.1	14							
	28										
	29										
	30	0.175	<5.0	13							
	31										
MAX	0.175	<5.1	18								
AVG	0.175	<5.0	15								

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN: 104

TVA

MONTH \_\_\_\_\_ 19\_\_

NPDES AL0022080

PARAM	FLOW	O & G	TSS	Cu, T	Fe, T						
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						
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11	0.012	6.2	7.8								
12	0.033	<5.0	1.6								
13	0.081	<5.0	<4.6								
14	0.040	<5.0	<1.0								
15	0.044	5.3	11								
16	0.012	5.7	9.3								
17	0.040	<5.0	<1.0								
18											
19	0.044	<8.3	<11								
20	0.033	<5.0	<1.0								
21	0.045	<8.3	<7.8								
22	0.033	<5.0	<1.0								
23											
24	0.011	<5.0	20								
25											
26	0.012	<5.0	<1.0								
27	0.040	<5.0	<1.0								
28	0.044	9.1	15								
29											
30	0.012	6.7	7.5								
31	0.033	5.6	11								
MAX	0.081	9.1	20								
AVG	0.033	<5.9	<6.6								

DATE

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision of \_\_\_\_\_ 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 \_\_\_\_\_

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

RESIDUAL HEAT REMOVAL SERVICE WATER EFFLUENT

DSN: 105 :

TV

MONTH JULY 10-31 19 84

NPDES # AL0022080

PARAM	FLOW	Temp.																	
AVG	--	--																	
MAX	--	--																	
UNITS	MGD	°F																	
FREQ	1/wk	1/wk																	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10	NO FLOW																		
11																			
12																			
13																			
14																			
15																			
16																			
17	NO FLOW																		
18																			
19																			
20																			
21																			
22																			
23																			
24	NO FLOW																		
25																			
26																			
27																			
28																			
29																			
30																			
31	NO FLOW																		
MAX																			
AVG	NO FLOW																		

DATE

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ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

CONDENSER COOLING WATER PUMP STATION SUMP

DEIN: 106

TVA

MONTH JULY 10-31 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										
5										
6										
7										
8										
9										
10	0.022	<5.0	3.9							
11										
12	0.022	<5.0	8.3							
13										
14										
15										
16										
17	0.029	8.5	6.1							
18										
19										
20	0.029	<5.0	5.5							
21										
22										
23										
24	0.022	<5.0	1.8							
25										
26										
27	0.022	5.0	4.6							
28										
29										
30										
31	0.022	<5.0	<1.0							
MAX	0.029	8.5	8.3							
AVG	0.024	<5.5	<4.5							

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Signature of Responsible Official



DSN:

MONTH JULY 10-31 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								
1											
2											
3											
4											
5											
6											
7											
8											
9											
10	NO FLOW										
11											
12											
13											
14											
15											
16											
17	NO FLOW										
18											
19											
20											
21											
22											
23											
24	NO FLOW										
25											
26											
27	NO FLOW										
28											
29											
30											
31	NO FLOW										
MAX											
AVG	NO FLOW										

DATE

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Responsible Official

DISCHARGE MONITORING REPORT

108: DIESEL GENERATION BUILDING SUMP UNITS 1 & 2

TVA

DSN:

MONTH JULY 10-31 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							
1										
2										
3										
4										
5										
6										
7										
8										
9										
10	NO FLOW									
11										
12										
13										
14										
15										
16										
17	NO FLOW									
18										
19										
20										
21										
22										
23										
24										
25	0.0008	<5.0	28							
26										
27										
28										
29										
30										
31	NO FLOW									
MAX										
AVG	0.002	<5.0	28							

DATE

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Responsible Official

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN:

109: DIESEL GENERATION BUILDING SUMP UNIT 3  
TVA

DATE: JULY 10-31

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

DATE

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Signature of Responsible Official



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

DISCHARGE MONITORING REPORT

110: UNITS 1 AND 2 OFFICE BUILDING DRAIN

TVA

DSN:

MONTH JULY 10-31

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

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Signature of Responsible Official

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DISCHARGE MONITORING REPORT

DSN: 111 : SEWAGE TREATMENT PLANT TVA

MONTH JULY 10-31 19 84

NPDES # AL0022080

PARAM	FLOW	BOD <sub>5</sub>	TSS																
AVG	--	30	90																
7-day Avg.	--	45	--																
UNITS	MGD	mg/l	mg/l																
FREQ	5/wk	1/wk	1/wk																
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10	0.025																		
11	0.035	52	24																
12	0.026																		
13	0.031																		
14	0.025																		
15	0.024																		
16	0.028																		
17	0.030	30	77																
18	0.039																		
19	0.035																		
20	0.038																		
21	0.020																		
22	0.023																		
23	0.040																		
24	0.030																		
25	0.033																		
26	0.049	33	75																
27	0.035																		
28	0.026																		
29	0.025																		
30	0.035																		
31	0.043																		
MAX	0.049	52	77																
AVG	0.032	38	59																

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A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.

\_\_\_\_\_  
Responsible Official

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT  
NO. AL0022080 - BROWNS FERRY NUCLEAR PLANT

Description of the discharge--Discharge No. 006 - Sewage treatment plant effluent. Analyses of grab samples collected in July 1984 had the following parameters to exceed the maximum permit limitations.

<u>Date</u>	<u>Parameter</u>	<u>Concentration</u>	<u>Maximum Limitation</u>
7/05	BOD <sub>5</sub>	84 mg/L	45 mg/L
7/11	BOD <sub>5</sub>	52 mg/L	45 mg/L
7/17	TSS <sub>5</sub>	77 mg/L	45 mg/L
7/23	TSS	75 mg/L	45 mg/L

Cause and period of the noncompliance--The sewage treatment plant is overloaded. High flows contribute directly to the noncompliances by washing solids over the clarifier weir.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--The chlorine contact tank is periodically pumped out to help reduce permit noncompliances resulting from overloaded conditions. A sewage treatment lagoon to replace the facility is under construction. The sewage treatment plant will be operated as close as possible to permit limits until the lagoon is operational.