

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
80	02	01	TO	80	03	01
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-78)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT	0.016	0.021	mgd				0	25/30	Weir	
	PERMIT REQUIREMENT	NA	0.030						1/1	Weir	
BOD <sub>5</sub>	SAMPLE MEASUREMENT	2.69	3.13	lb/day	18	21	25	mg/l	0	2/30	GR
	PERMIT REQUIREMENT	7.5	11.0			30	45			2/30	GR
Total Suspended Solids	SAMPLE MEASUREMENT	4.63	5.88	lb/day	27	37	47	mg/l	1	2/30	GR
	PERMIT REQUIREMENT	7.5	11.0			30	45			2/30	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.16	<0.2	ml/l	0	25/30	GR
	PERMIT REQUIREMENT					NA	1.0			1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT				1.5	1.6	1.8	mg/l	0	25/30	GR
	PERMIT REQUIREMENT					NA	NA			1/1	GR
Fecal Coliform	SAMPLE MEASUREMENT				<10	141	>2000	N/100 ml	0	2/30	GR
	PERMIT REQUIREMENT					NA	NA			2/30	GR
pH	SAMPLE MEASUREMENT				7.0		7.8	Units	0	21/30	GR
	PERMIT REQUIREMENT				6.0		9.0			1/1	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*Herald R. Steiner*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 854-3173  
 DATE: 80 05 28  
 FTS AREA CODE: NUMBER YEAR MO DAY

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

A noncompliance letter was submitted to EPA on February 22, 1980.

080  
8006030  
R

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(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) (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 (69-78)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS	
Dissolved Oxygen	SAMPLE MEASUREMENT				2.0	2.4	2.9	mg/l	0	25/30	GR	
	PERMIT REQUIREMENT				1.0	NA	NA		1/1	GR		
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
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	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
Mohamed T. El-Ashry Director of ENV QUAL								FTS 854-3173		80	05	28
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY

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. 158-R-0073

NAME Tennessee Valley Authority  
ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
FACILITY Sequoyah Nuclear Plant  
LOCATION Soddy, Tennessee 37379

TN0026450  
PERMIT NUMBER

002  
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Construction Sewage Treatment Plant

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) (40-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (32-45) QUALITY OR CONCENTRATION (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	0.003	0.003	mgd					0	25/30	Weir
	PERMIT REQUIREMENT	NA	0.015							1/1	Weir
BOD	SAMPLE MEASUREMENT	0.37	0.45	lb/day	12	15	18	mg/l	0	2/30	GR
	PERMIT REQUIREMENT	3.8	5.6			30	45			2/30	GR
Total Suspended Solids	SAMPLE MEASUREMENT	0.71	1.02	lb/day	16	28	41	mg/l	0	2/30	GR
	PERMIT REQUIREMENT	3.8	5.6			30	45			2/30	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	ml/l	0	25/30	GR
	PERMIT REQUIREMENT					NA	1.0			1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT				1.5	1.6	1.9	mg/l	0	25/30	GR
	PERMIT REQUIREMENT					NA	2.0			1/1	GR
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	<10	N/100 ml	0	2/30	GR
	PERMIT REQUIREMENT					NA	NA			2/30	GR
pH	SAMPLE MEASUREMENT				7.0		7.8	Units	0	25/30	GR
	PERMIT REQUIREMENT				6.0		9.0			1/7	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-16) TN0026450  
 PERMIT NUMBER  
 (17-19) 002  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD  
 FROM 

YEAR	MO	DAY
80	02	01

 TO 

YEAR	MO	DAY
80	03	01

  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

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
Dissolved Oxygen	SAMPLE MEASUREMENT				2.0	2.2	2.8	mg/l	0	25/30	GR
	PERMIT REQUIREMENT				1.0	NA	NA			1/1	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Mohamed T. El-Ashry</b> Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 AREA CODE   NUMBER 854-3173	DATE YEAR   MO   DAY 80   05   28
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(17-18) TN0026450 (17-19) 003  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR MO DAY TO YEAR MO DAY  
 80 02 01 80 03 01  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Sewage Treatment Plant (Sand Filter)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 and (Only) (46-53) (54-61)			QUALITY OR CONCENTRATION (41 and (Only) (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-78)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
Flow	SAMPLE MEASUREMENT	0.007	0.023	mgd					0	1/1	Weir	
	PERMIT REQUIREMENT	0.0149	NA							1/1	Weir	
BOD	SAMPLE MEASUREMENT	1.36	2.67	lb/day	7	13	20	mg/l	0	2/30	GR	
	PERMIT REQUIREMENT	3.7	5.6			30	45			2/30	GR	
Total Suspended Solids	SAMPLE MEASUREMENT	0.43	0.80	lb/day	6	7	8	mg/l	0	2/30	GR	
	PERMIT REQUIREMENT	3.7	5.6			30	45			2/30	GR	
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	ml/l	0	1/1	GR	
	PERMIT REQUIREMENT					NA	1.0			1/1	GR	
Chlorine Residual	SAMPLE MEASUREMENT				0.1	1.3	3	mg/l	0	1/1	GR	
	PERMIT REQUIREMENT					NA	NA			1/1	GR	
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	<10	N/100 Ml	0	2/30	GR	
	PERMIT REQUIREMENT					NA	NA			2/30	GR	
	SAMPLE MEASUREMENT				6.9		7.0	Units	0	1/7	GR	
	PERMIT REQUIREMENT				6.0		9.0			1/7	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
Mohamed T. El-Ashry Director of ENV QUAL								FTS	854-3173	80	05	29
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

004  
 DISCHARGE NUMBER

Construction Runoff

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(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			
		NO DISCHARGE								
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE	
Mohamed T. El-Ashry Director of ENV QUAL							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

Tn0026450  
 PERMIT NUMBER

005  
 DISCHARGE NUMBER

Construction Runoff

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
<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 <small>(32-37)</small>	X	<small>(3 Card Only)</small> QUANTITY OR LOADING <small>(46-53)</small>			<small>(4 Card Only)</small> QUALITY OR CONCENTRATION <small>(54-61)</small>			NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-66)</small>	SAMPLE TYPE <small>(67-70)</small>
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT		-	mgd					*	
	PERMIT REQUIREMENT	NA	NA						1/1	GR
Total Suspended Solids	SAMPLE MEASUREMENT					610	mg/l	0	1/29	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR
Settleable Solids	SAMPLE MEASUREMENT					5.7		0	1/29	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR
Turbidity	SAMPLE MEASUREMENT					410	NTU	0	1/29	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR
pH	SAMPLE MEASUREMENT					7.9	Units	0	1/29	GR
	PERMIT REQUIREMENT				6.0	9.0			1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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Mohamed T. El-Ashry Director of ENV QUAL		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	854-3173	80	05
TYPED OR PRINTED		NUMBER	YEAR	MO	DAY	

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

\*Flow monitoring was unrepresentative.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37379  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy Tennessee 37379

PERMIT NUMBER TN0026450  
 DISCHARGE NUMBER 006

Construction Runoff

MONITORING PERIOD  
 FROM 80 02 01 TO 80 03 01  
(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) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (58-65) QUALITY OR CONCENTRATION (64-71)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Mohamed T. EI-Ashry</b> Director of ENV QUAL	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS   854-3173 AREA CODE   NUMBER	80   05 YEAR   MO	28 DAY

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



NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37379  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

007  
 DISCHARGE NUMBER

Yard Drainage Pond

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) (46-51) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-51) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (67-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT		--	mgd				0	*		
	PERMIT REQUIREMENT	NA	NA						1/7	GR	
Total Suspended Solids	SAMPLE MEASUREMENT				3.6	9.3	13	mg/l	0	1/7	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	ml/l	0	1/7	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
Turbidity	SAMPLE MEASUREMENT				3.9	12.6	20	NTU	0	1/7	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
pH	SAMPLE MEASUREMENT				7.5		8.6	Units	0	1/7	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL							FTS	854-3173	80	05	28
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						AREA CODE	NUMBER	YEAR	MO	DAY

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

\*Flow monitoring was unrepresentative.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

008  
 DISCHARGE NUMBER

Concrete Batch Plant

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(28-21)	(22-21)	(24-25)	(28-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (40-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT	0.007	0.01	mgd				0	1/7	GR	
	PERMIT REQUIREMENT	NA	NA						1/7	GR	
Oil and Grease	SAMPLE MEASUREMENT					<5	mg/l	0	1/30	GR	
	PERMIT REQUIREMENT					NA	20		1/30	CR	
Total Suspended Solids	SAMPLE MEASUREMENT				4.6	25.4	46	mg/l	0	1/7	GR
	PERMIT REQUIREMENT					NA	50		1/7	GR	
pH	SAMPLE MEASUREMENT				7.3		7.9	Units	0	1/7	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		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)			TELEPHONE		DATE				
Mohamed T. El-Ashry Director of ENV QUAL					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80	05	28
TYPED OR PRINTED				AREA CODE	NUMBER	YEAR	MO	DAY			

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(16) TN0026450 (17-19) 009  
 PERMIT NUMBER DISCHARGE NUMBER

Preoperational Metal Cleaning Wastes

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(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) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) (54-61)			NO. EX (62-63)	FF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT	1.3962	1.3962						7/30	Cal.	
	PERMIT REQUIREMENT	NA	NA	mgd					1/1	Cal	
Oil and Grease	SAMPLE MEASUREMENT						mg/l	*			
	PERMIT REQUIREMENT					15	20		1/7	GR	
Total Suspended Solids	SAMPLE MEASUREMENT				2	10	18	mg/l	0	2/30	8-hr. Comp.
	PERMIT REQUIREMENT					30	100		1/7	8-hr Comp	
Copper	SAMPLE MEASUREMENT				< 0.01	< 0.02	0.03	mg/l	0	2/30	8-hr. Comp.
	PERMIT REQUIREMENT					1.0	1.0		1/7	8-hr Comp	
Iron	SAMPLE MEASUREMENT				0.35	0.59	0.83	mg/l	0	2/30	8-hr. Comp.
	PERMIT REQUIREMENT					1.0	1.0		1/7	8-hr Comp	
Phosphorus	SAMPLE MEASUREMENT				0.02	0.055	0.09	mg/l	0	2/30	8-hr. Comp.
	PERMIT REQUIREMENT					1.0	1.0		1/7	8-hr Comp	
COD	SAMPLE MEASUREMENT				8	11	14	mg/l	0	2/30	8-hr. Comp.
	PERMIT REQUIREMENT					NA	100		1/7	8-hr Comp	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE			
Mohamed T. El-Ashry Director of ENV QUAL						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS AREA CODE	854-3173	80	05
TYPED OR PRINTED											

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

\*Oil and grease samples were inadvertently not collected during this discharge period. However, there was no visible sheen on the water surface. This report contains data of a sample collected on January 27, 1980. Data was not available in time for January 1980 report.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

010  
 DISCHARGE NUMBER

Station Sump

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER <small>(32-37)</small>	X	QUANTITY OR LOADING <small>(3 Card Only) (40-53)</small>			QUALITY OR CONCENTRATION <small>(4 Card Only) (38-45)</small>			NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-65)</small>	SAMPLE TYPE <small>(66-70)</small>	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT	1.62	2.6	mgd				0	2/7	Cal	
	PERMIT REQUIREMENT	NA	NA						Cont	Pump Log	
Oil and Grease	SAMPLE MEASUREMENT	17	72	ky/day	<5.0	5.4	8.5	mg/1	2*	2/7	GR
	PERMIT REQUIREMENT	11.9	15.9			15	20			2/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT	109.1	420	ky/day	3.1	16.7	50	mg/1	3*	2/7	GR
	PERMIT REQUIREMENT	23.8	79.5			30	100			2/7	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						FTS	854-3173	80	05	28
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY

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

\*A noncompliance letter was sent to EPA on July 18, 1979, explaining the violations. A permit modification was requested on October 19, 1979.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-18) TN0026450 (17-19) 012  
 PERMIT NUMBER DISCHARGE NUMBER

Cooling Tower Blowdown

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(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) (46-51) 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			
SAMPLE MEASUREMENT		NO DISCHARGE								
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <u>Mohamed T. El-Ash y</u> <u>Director of ENV QUAL</u>	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	854-3173 NUMBER	80 YEAR	05 MO

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37379  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(17-18)  
 TNO026450  
 PERMIT NUMBER

(17-19)  
 013  
 DISCHARGE NUMBER

Recycled Cooling Water

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
					NO DISCHARGE					
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 AREA CODE   NUMBER 854-3173	DATE YEAR   MO   DAY 80   05   28
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

014  
 DISCHARGE NUMBER

Condensate Demineralizer Regeneration Waste, High Conductivity, Low Crud

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(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 (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	0.008	0.01	mgd				5	batches	Cal
	PERMIT REQUIREMENT	NA	NA					1	batch	Cal
Oil and Grease	SAMPLE MEASUREMENT	0.14	0.49	kg/day	<5	<6.62	13	5	batches	GR
	PERMIT REQUIREMENT	1.6	2.2			15	20	1	batch	GR
Total Suspended Solids	SAMPLE MEASUREMENT	1.11	2.01	kg/day	25	43	56	5	batches	GR
	PERMIT REQUIREMENT	3.3	11.0			30	100	1	batch	GR
pH	SAMPLE MEASUREMENT				6.5		7.7	5	batches	GR
	PERMIT REQUIREMENT				6.0		9.0	1	batch	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
			RTS AREA CODE	NUMBER	YEAR	MO	DAY
			854-3173	80	05	28	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

015  
 DISCHARGE NUMBER

Condensate Demineralizer Regeneration Waste. low Conductivity, High Crud

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 Card Only) (46-53)			QUALITY OR CONCENTRATION (33 Card Only) (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	0.014	0.019	mgd					0	7 batches	Cal
	PERMIT REQUIREMENT	NA	NA							1 batch	Cal
Oil and Grease	SAMPLE MEASUREMENT	0.048	0.20	kg/day	<5.0	<5.0	<5.0	mg/l	0	7 batches	GR
	PERMIT REQUIREMENT	3.4	4.5			15	20			1 batch	GR
Total Suspended Solids	SAMPLE MEASUREMENT	<0.28	2.5	kg/day	0.7	<6.3	55	mg/l	0	7 batches	GR
	PERMIT REQUIREMENT	6.8	23.0			30	100			1 batch	GR
pH	SAMPLE MEASUREMENT				6.2		8.7	Units	0	7 batches	GR
	PERMIT REQUIREMENT				6.0		9.0			1 batch	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 a d/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	854-3173 NUMBER	80 YEAR

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



NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

016  
 DISCHARGE NUMBER

Liquid Radwaste

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (4 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (63-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-78)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT		0.016	mgd				0	27 batches	GR
	PERMIT REQUIREMENT		NA						27 batches	GR
Oil and Grease	SAMPLE MEASUREMENT					8.6	mg/1	0	27 batches	GR
	PERMIT REQUIREMENT					20			27 batches	GR
Total Suspended Solids	SAMPLE MEASUREMENT					30	mg/1	0	27 batches	GR
	PERMIT REQUIREMENT					30			27 batches	GR
pH	SAMPLE MEASUREMENT				6.3		7.9	0	27 batches	GR
	PERMIT REQUIREMENT				6.0		9.0		27 batches	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
FTS	854-3173	80	05	28
AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

017  
 DISCHARGE NUMBER

Office Bldg. Sump 1

MONITORING PERIOD  
 FROM 80 02 01 TO 80 03 01  
(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 (64-66)	SAMPLE TYPE (69-72)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
					NO DISCHARGE					
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	NUMBER	YEAR	MO

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

018  
 DISCHARGE NUMBER

Office Bldg. Sump 2

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-51)			QUALITY OR CONCENTRATION (46-51)			NO. EX (62-67)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (6)
		AVERAGE (46-53)	MAXIMUM (46-54)	UNITS (46-55)	MINIMUM (46-56)	AVERAGE (46-57)	MAXIMUM (46-58)			
					NO DISCHARGE					
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 AREA CODE   854-3173	DATE 80 05 28 YEAR MO DAY
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(17-18)  
 TNO026450  
 PERMIT NUMBER

(17-19)  
 019  
 DISCHARGE NUMBER

Service Bldg. Sump

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	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 (64-65)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT	0.0004	0.0005	mgd				0	2/30	GR	
	PERMIT REQUIREMENT	NA	NA						2/7	GR or P. Log	
Oil and Grease	SAMPLE MEASUREMENT				<5.0	<5.1	<5.1	mg/1	0	2/30	GR
	PERMIT REQUIREMENT					15	20		2/7	GR	
Total Suspended Solids	SAMPLE MEASUREMENT				31	47	63	mg/1	0	2/30	GR
	PERMIT REQUIREMENT					30	100		2/7	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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Mohamed T. El-Ashry Director of ENV QUAL		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	854-3173	80	05
TYPED OR PRINTED		NUMBER	YEAR	MO	DAY	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450 (7-18) 020 (17-19)  
 PERMIT NUMBER DISCHARGE NUMBER

Diesel Gen-erating Building

MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 80 02 01 TO 80 03 01  
(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 (40-53)			(4 Card Only) QUALITY OR CONCENTRATION (50-63)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)	
		AVERAGE (40-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (58-65)	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS (54-61)
Flow	SAMPLE MEASUREMENT			mgd				*			
	PERMIT REQUIREMENT	NA	NA					2/7		GR	
Oil and Grease	SAMPLE MEASUREMENT				<5.0	<7.55	14.9	mg/l	0	2/7	GR
	PERMIT REQUIREMENT					15	20		2/7	GR	
Total Suspended Solids	SAMPLE MEASUREMENT				8	14	23	mg/l	0	2/7	GR
	PERMIT REQUIREMENT					30	100		2/7	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						FTS	854-3173	80	05	28
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY

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

\*Flow monitoring was unrepresentative.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

021  
 DISCHARGE NUMBER

Sodium Hypochlorite Bldg. Floor and Equipment Drains

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(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 (40-53)			(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			
					NO DISCHARGE					
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	854-3173	80

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. 158-R0073

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Squoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

023  
 DISCHARGE NUMBER

Steam Generator Blowdown to Cooling Tower Blowdown line

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
80	02	01	TO	80	03	01
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (31 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
					NO DISCHARGE					

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 854-3173  
 DATE: 80 05 28

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

024  
 DISCHARGE NUMBER

Diffuser Gate

MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 80 02 01 TO 80 03 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER <small>(12-17)</small>	X	<small>(3 Card Only)</small> QUANTITY OR LOADING <small>(46-53)</small>			<small>(4 Card Only)</small> QUALITY OR CONCENTRATION <small>(38-45)</small>				NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-68)</small>	SAMPLE TYPE <small>(69-70)</small>
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	376	747	mgd					0	Cont	Rec
	PERMIT REQUIREMENT	NA	NA							Cont	Rec
Discharge Temp. (Open Mode)	SAMPLE MEASUREMENT		48	°F					0	Cont	Rec
	PERMIT REQUIREMENT	NA	112.5							Cont	Rec
Downstream Temp.	SAMPLE MEASUREMENT		46	°F					0	Cont	Rec
	PERMIT REQUIREMENT	NA	86.9							Cont	Rec
Reservoir Temp. Rise	SAMPLE MEASUREMENT		0.3	°F					0	Cont	Rec
	PERMIT REQUIREMENT	NA	5.6							Cont	Rec
Reservoir Temp. Rate of Rise	SAMPLE MEASUREMENT		0.1	°F/hr					0	Cont	Rec
	PERMIT REQUIREMENT	NA	3.6							Cont	Rec
pH	SAMPLE MEASUREMENT				6.5		7.9	Units	0	1/1	GR
	PERMIT REQUIREMENT				6.9		9.0			1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT	Not chlorinated						mg/l	0		
	PERMIT REQUIREMENT						0.1			Cont	Rec
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE			
Mohamed T. El-Ashry Director of ENV QUAL						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80	05
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY	

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



NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Sandy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

024  
 DISCHARGE NUMBER

Diffuser Gate

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-51)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE (46-51)	MAXIMUM (46-51)	UNITS (46-51)	MINIMUM (46-53)	AVERAGE (46-53)	MAXIMUM (46-53)			
Chlorine Residual	SAMPLE MEASUREMENT	Not chlorinated					mg/l	0		
	PERMIT REQUIREMENT						0.1		1/1	Mult GR
Chloride	SAMPLE MEASUREMENT						1.0	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Oil and Grease	SAMPLE MEASUREMENT						<5.0	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Sodium	SAMPLE MEASUREMENT						7.6	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Sulfate	SAMPLE MEASUREMENT						13	0	1/30	GR
	PERMIT REQUIREMENT						NA			
Total Suspended Solids	SAMPLE MEASUREMENT						3	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Total Settleable Solids	SAMPLE MEASUREMENT						<0.1	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 18 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Savoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

024  
 DISCHARGE NUMBER

Diffuser Gate

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	02	01	80	03	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
TDS	SAMPLE MEASUREMENT						103	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Solids	SAMPLE MEASUREMENT						108	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Ammonia Nitrogen	SAMPLE MEASUREMENT						0.75	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Copper	SAMPLE MEASUREMENT						0.03	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Iron	SAMPLE MEASUREMENT						0.06	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Manganese	SAMPLE MEASUREMENT						0.08	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Zinc	SAMPLE MEASUREMENT						0.03	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Mohamed T. El-Ashry</b> Director of ENV QUAL	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	854-3173	80	05
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *Reference all attachments here*

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Savannah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

PERMIT NUMBER TN0026450 DISCHARGE NUMBER 025

Plant and ERCW Intakes

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (34-41)			QUALITY OR CONCENTRATION (44-51)			NO. EX (42-43)	FREQUENCY OF ANALYSIS (44-48)	SAMPLE TYPE (49-50)
		AVERAGE (46-51)	MAXIMUM (54-61)	UNITS	MINIMUM (44-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
Flow	SAMPLE MEASUREMENT		560.0	mgd				0	Cont	Rec
	PERMIT REQUIREMENT		NA						Cont	Rec
Ambient Temperature	SAMPLE MEASUREMENT		46	°F				0	1/hr	Rec
	PERMIT REQUIREMENT		NA						1/hr	Rec
Chlorine Residual	SAMPLE MEASUREMENT	Not chlorinating								
	PERMIT REQUIREMENT						NA		1/7	GR
Chloride	SAMPLE MEASUREMENT						1.7	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Oil and Grease	SAMPLE MEASUREMENT						<5.0	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Sodium	SAMPLE MEASUREMENT						7.2	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR
Sulfate	SAMPLE MEASUREMENT						13	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED: \_\_\_\_\_

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: \_\_\_\_\_

TELEPHONE: FTS 854-3173  
 AREA CODE: \_\_\_\_\_ NUMBER: \_\_\_\_\_

DATE: 80 05 28  
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VARIATIONS (Reference all attachments here)  
 Plant and ERCW intakes presently at same location; flow quantity is maximum value during sampling period. Ambient temp data; (1) are reported as the maximum of the hourly calculated values for the sampling period, (2) will be both temporally and spatially averaged upon completion of the permanent monitor.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

025  
 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(19-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-78)	
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS (54-61)
TSS	SAMPLE MEASUREMENT						3	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Settleable Solids	SAMPLE MEASUREMENT						<0.1	ml/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
TDS	SAMPLE MEASUREMENT						116	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Solids	SAMPLE MEASUREMENT						120	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Ammonia Nitrogen	SAMPLE MEASUREMENT						0.29	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Copper	SAMPLE MEASUREMENT						0.15	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Iron	SAMPLE MEASUREMENT						0.05	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS	854-3173	80	05
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME Tennessee Valley Authority  
 ADDRESS 269 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Seminole Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

025  
 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD  
 FROM YEAR 80 MO 02 DAY 01 TO YEAR 80 MO 03 DAY 01  
(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 (69-72)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Total Manganese	SAMPLE MEASUREMENT						0.07	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Zinc	SAMPLE MEASUREMENT						0.07	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 854-3173  
 DATE: 80 05 28  
AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments L...)

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (34-41)			QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (68-70)
		AVERAGE (46-51)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
Flow	SAMPLE MEASUREMENT	0.017	0.021	mgd					0	20/30	Weir
	PERMIT REQUIREMENT	NA	0.030							1/1	Weir
BOD <sub>5</sub>	SAMPLE MEASUREMENT	0.51	0.8	lb/day	9.2	21	32	mg/l	0	2/30	GR
	PERMIT REQUIREMENT	7.5	11.0			30	45			2/30	GR
Total Suspended Solids	SAMPLE MEASUREMENT	0.6	0.7	lb/day	23	25	28	mg/l	0	2/30	GR
	PERMIT REQUIREMENT	7.5	11.0			30	45			2/30	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	ml/l	0	23/30	GR
	PERMIT REQUIREMENT					NA	1.0			1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT				1.2	1.5	1.8	mg/l	0	23/30	GR
	PERMIT REQUIREMENT					NA	2.0			1/1	GR
Fecal Coliform	SAMPLE MEASUREMENT				<10	24	60	N/100 ml	0	2/30	GR
	PERMIT REQUIREMENT					NA	NA			2/30	GR
pH	SAMPLE MEASUREMENT				6.8		8.0	Units	0	23/30	GR
	PERMIT REQUIREMENT				6.0		8.0			1/1	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
			PTS AREA CODE	854-3173 NUMBER	80 YEAR	05 MO	28 DAY

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. 158-R0073

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

001  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD  
 FROM 80 03 01 TO 80 04 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(34 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (58-65)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Dissolved Oxygen	SAMPLE MEASUREMENT				1.0	2.8	4.0	mg/l	0	23/30	GR
	PERMIT REQUIREMENT				1.0	NA	NA			I/1	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		PTS AREA CODE	854-3173	80
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)							NUMBER	YEAR	MO	DAY	

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

002  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(26-27) (28-29) (30-31) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (13 Card Only) (46-53)			QUALITY OR CONCENTRATION (14 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	0.003	0.003	mgd				0	23/30	Weir
	PERMIT REQUIREMENT	NA	0.015						1/1	Weir
BOD <sub>5</sub>	SAMPLE MEASUREMENT	0.15	0.20	lb/day	4.4	6.3	8.2	0	2/30	GR
	PERMIT REQUIREMENT	3.8	5.6			30	45		2/30	GR
Total Suspended Solids	SAMPLE MEASUREMENT	0.33	0.42	lb/day	10	13	17	0	2/30	GR
	PERMIT REQUIREMENT	3.8	5.6			30	45		2/30	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	0	23/30	GR
	PERMIT REQUIREMENT					NA	1.0		1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT				1.5	1.5	1.8	0	23/30	GR
	PERMIT REQUIREMENT					NA	2.0		1/1	GR
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	<10	0	2/30	GR
	PERMIT REQUIREMENT					NA	NA		2/30	GR
pH	SAMPLE MEASUREMENT				6.0		7.2	0	23/30	GR
	PERMIT REQUIREMENT				6.0		9.0		1/1	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
TYPED OR PRINTED			FTS	854-3173	80	05	28
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)			AREA CODE	NUMBER	YEAR	MO	DAY



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

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

Form Approved OMB No. 258-R-0073

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

PERMIT NUMBER  
TN0026450

DISCHARGE NUMBER  
002

Construction Sewage Treatment Plant

MONITORING PERIOD  
 FROM 80 03 01 TO 80 04 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) (40-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (58-65) QUALITY OR CONCENTRATION (66-81)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (67-69)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Dissolved Oxygen	SAMPLE MEASUREMENT				1.8	2.3	3.5	mg/l	0	23/30	GR
	PERMIT REQUIREMENT				1.0	NA	NA			1/1	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

  

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <u>Mohamed T. El-Ashry</u> Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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   <u>854-3173</u> AREA CODE   NUMBER	DATE YEAR   MO   DAY <u>80</u>   <u>05</u>   <u>28</u>
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COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

003  
 DISCHARGE NUMBER

Sewage Treatment Plant (Sand Filter)

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (44-47)			QUALITY OR CONCENTRATION (48-51)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (48-49)	AVERAGE (46-51)	MAXIMUM (54-61)			
Flow	SAMPLE MEASUREMENT	0.011	0.024	mgd				0	1/1	Weir
	PERMIT REQUIREMENT	0.0149	NA						1/1	Weir
BOD <sub>5</sub>	SAMPLE MEASUREMENT	0.38	3.4	lb/day	17	24	31	0	2/30	GR
	PERMIT REQUIREMENT	3.7	5.6			30	45		2/30	GR
Total Suspended Solids	SAMPLE MEASUREMENT	1.3	2.4	lb/day	10	11	12	0	2/30	GR
	PERMIT REQUIREMENT	3.7	5.6			30	45		2/30	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	0	1/1	GR
	PERMIT REQUIREMENT					NA	1.0		1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT				0.1	1.1	2.7	0	1/1	GR
	PERMIT REQUIREMENT					NA	NA		1/1	GR
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	<10	0	2/30	GR
	PERMIT REQUIREMENT					NA	NA		2/30	GR
pH	SAMPLE MEASUREMENT				6.8		6.9	0	1/7	GR
	PERMIT REQUIREMENT				6.0		9.0		1/7	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalty under these statutes may be 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   854-3173	80	05	28
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		AREA CODE	NUMBER	YEAR	MO	DAY

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

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

Form Approved OMB No. 158-R-0073

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(12-16) (17-19)  
 TN0026450 PERMIT NUMBER 004 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 80 03 01 TO 80 04 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Construction Runoff

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (40-43)			QUALITY OR CONCENTRATION (4 Card Only) (44-51)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (67-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
		NO DISCHARGE								
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37379  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

005  
 DISCHARGE NUMBER

Construction Runoff

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
80	03	01		80	04	01
(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)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT			mgd				0	*		
	PERMIT REQUIREMENT	NA	NA						1/7	GR	
Total Suspended Solids	SAMPLE MEASUREMENT						1100	mg/l	0	1/30	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
Settleable Solids	SAMPLE MEASUREMENT						5.0	ml/l	0	1/30	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
Turbidity	SAMPLE MEASUREMENT						310	NTU	0	1/30	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
pH	SAMPLE MEASUREMENT						7.8	Units	0	1/30	GR
	PERMIT REQUIREMENT				5.0		9.0		1/7	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	NUMBER	YEAR	MO	DAY
			854-3173	80	05	28	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 \*Flow monitoring was unrepresentative.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

006  
 DISCHARGE NUMBER

Construction Runoff

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING <small>(34 Card Only)</small> <small>(46-51)</small>			QUALITY OR CONCENTRATION <small>(4 Card Only)</small> <small>(38-45)</small>			NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-65)</small>	SAMPLE TYPE <small>(66-78)</small>
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT		NO DISCHARGE								
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	NUMBER	YEAR
			854-3173	80	05 28

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

007  
 DISCHARGE NUMBER

Yard Drainage Pond

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
80	03	01	TO	80	04	01
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (40-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow			5	mgd				0	1/30*	GR	
	PERMIT REQUIREMENT	NA	NA						1/7	GR	
Total Suspended Solids					8.0	26	53	mg/l	0	1/7	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
Settleable Solids					<0.01	<0.08	<0.1	ml/l	0	1/7	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
Turbidity					2.1	55	145	JTU	0	1/7	GR
	PERMIT REQUIREMENT					NA	NA		1/7	GR	
pH					7.1		8.8	Units	0	1/7	GR
	PERMIT REQUIREMENT				8.0		9.0		1/7	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						FTS   854-3173		80	05	28
TYPED OR PRINTED							AREA CODE		NUMBER	YEAR	MO

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

\*Flow Monitoring became representative on March 26, 1980.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

008  
 DISCHARGE NUMBER

Concrete Batch Plant

MONITORING PERIOD  
 FROM 80 03 01 TO 80 04 01  
(19-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 Card Only) (46-53)			QUALITY OR CONCENTRATION (34 Card Only) (38-45)			NO. EX (82-83)	FREQUENCY OF ANALYSIS (84-85)	SAMPLE TYPE (89-90)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow	SAMPLE MEASUREMENT	0.0027	0.0057	mgd				0	1/7	GR	
	PERMIT REQUIREMENT	NA	NA						1/7	GR	
Oil and Grease	SAMPLE MEASUREMENT						mg/l	*	1/30	GR	
	PERMIT REQUIREMENT					NA	20		1/30	GR	
Total Suspended Solids	SAMPLE MEASUREMENT				9.9	31.2	49	mg/l	0	1/7	GR
	PERMIT REQUIREMENT					NA	50		1/7	GR	
pH	SAMPLE MEASUREMENT				7.1		8.4	Units	0	1/7	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  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 854-3173  
 DATE: 80 05 28  
AREA CODE NUMBER YEAR MO DAY

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

\*Sample was inadvertently not collected this month.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

009  
 DISCHARGE NUMBER

Preoperational Metal Cleaning Wastes

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	1.1132	1.355					0	1/30	Cal.
	PERMIT REQUIREMENT	NA	NA	mgd					1/1	Cal
Oil and Grease	SAMPLE MEASUREMENT				<5	<6	7	0	2/30	GR
	PERMIT REQUIREMENT					15	20		1/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT				1	4	6	0	3/30	GR
	PERMIT REQUIREMENT					30	100		1/7	8-hr Comp
Copper	SAMPLE MEASUREMENT				0.02	0.06	0.1	0	3/30	8-hr Comp.
	PERMIT REQUIREMENT					1.0	1.0		1/7	8-hr Comp
Iron	SAMPLE MEASUREMENT				0.15	0.19	0.23	0	3/30	8-hr Comp.
	PERMIT REQUIREMENT					1.0	1.0		1/7	8-hr Comp
Phosphorus	SAMPLE MEASUREMENT				0.06	0.36	0.6	0	3/30	8-hr Comp.
	PERMIT REQUIREMENT					1.0	1.0		1/7	8-hr Comp
COD	SAMPLE MEASUREMENT				32	42	48	0	3/30	8-hr Comp.
	PERMIT REQUIREMENT					NA	100		1/7	8-hr Comp
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										



NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

010  
 DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (44-51)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-76)
		AVERAGE (44-51)	MAXIMUM (44-51)	UNITS (44-51)	MINIMUM (46-53)	AVERAGE (46-53)	MAXIMUM (46-53)			
Flow	SAMPLE MEASUREMENT	2.0	5.0	mgd				0	9/30	Cal
	PERMIT REQUIREMENT	NA	NA							Cont. P. Log
Oil and Grease	SAMPLE MEASUREMENT	6.63	15	kg/day	<5.0	<5.0	<5.0	0	2/7	GR
	PERMIT REQUIREMENT	11.9	15.9			15	20			GR
Total Suspended Solids	SAMPLE MEASUREMENT	97.4	180	kg/day	4.1	17.6	38	5*	2/7	GR
	PERMIT REQUIREMENT	23.8	79.5			30	100			GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes: may be 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 854-3173  
 DATE: 80 05 28  
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 \*A noncompliance letter was submitted to EPA on July 18, 1979, explaining the violations. A permit modification was requested on October 19, 1979.

NAME Tennessee Valley Authority  
 ADDRESS 268 A01 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(12-14) TN0026450  
 PERMIT NUMBER

(17-19) 012  
 DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Cooling Tower Blowdown

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-51)			QUALITY OR CONCENTRATION (46-52)				NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (50-55)	AVERAGE (46-52)	MAXIMUM (54-61)	UNITS			
Flow	SAMPLE MEASUREMENT								0		
	PERMIT REQUIREMENT	NA	NA							NAK	Rec
pH	SAMPLE MEASUREMENT					7.8			0	1/30	GR
	PERMIT REQUIREMENT				6.0		9.0			1/7	GL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE		
Mohamed T. El-Ashry, Ph.D. Director of ENV QUALITY		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS 854-3173	80	05
TYPED OR PRINTED		AREA CODE NUMBER	YEAR	MO	DAY

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

\*Flow monitoring is not required except during closed-mode operation.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

013  
 DISCHARGE NUMBER

Recycled Cooling Water

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (33-34)	MAXIMUM (35-36)	UNITS (37-38)	MINIMUM (47-48)	AVERAGE (49-50)	MAXIMUM (51-52)			
SAMPLE MEASUREMENT					no discharge					
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Mohamed T. El-Ashry  
Director of ENV QUAL  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 | 854-3173  
 AREA CODE | NUMBER | YEAR | MO | DAY  
 | | 80 | 05 | |

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. 158-R-0073

NAME Tennessee Valley Authority  
ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
FACILITY Sequoyah Nuclear Plant  
LOCATION Soddy, Tennessee 37379

(12-14) TN0026450  
PERMIT NUMBER

(17-19) 014  
DISCHARGE NUMBER

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	80	03	01		80	04	01
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Condensate Demineralizer Regeneration  
Waste, High Conductivity, Low Crud

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (4-41)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
Flow	SAMPLE MEASUREMENT		0.018	mgd				1	batch	Cal
	PERMIT REQUIREMENT	NA	NA					1	batch	Cal
Oil and Grease	SAMPLE MEASUREMENT		0.18	kg/day		<5.0	mg/l	1	batch	GR
	PERMIT REQUIREMENT	1.6	2.2			15	20	1	batch	GR
Total Suspended Solids	SAMPLE MEASUREMENT		0.054			<1.0	mg/l	1	batch	GR
	PERMIT REQUIREMENT	3.3	11.0	kg/day		30	100	1	batch	GR
pH	SAMPLE MEASUREMENT					7.0	Units	1	batch	GR
	PERMIT REQUIREMENT				6.0	9.0		1	batch	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
Mohamed T. El-Ashry Director of ENV QUAL			PTS AREA CODE	854-3173	80	05
TYPED OR PRINTED			NUMBER	YEAR	MO	DAY

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

015  
 DISCHARGE NUMBER

Condensate Cemineralizer Regeneration Waste, Low Conductivity, High Crud

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 Card Only) (46-53)			QUALITY OR CONCENTRATION (34 Card Only) (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT					NO DISCHARGE					
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUAL  
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: FTS 854-3173  
 DATE: 80 05 28  
AREA CODE NUMBER YEAR MO DAY

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. 158-R0073

NAME Tennessee Valley Authority  
ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
FACILITY Sequoyah Nuclear Plant  
LOCATION Soddy, Tennessee 37379

TN0026450  
PERMIT NUMBER

016  
DISCHARGE NUMBER

Liquid Radwaste

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (34 and Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	0.007	0.02	mgd				0	47 batches	Cal
	PERMIT REQUIREMENT		NA						1 per batch	P. log Cal
Oil and Grease	SAMPLE MEASUREMENT				<5.0	<5.3	13.2	0	47 batches	GR
	PERMIT REQUIREMENT						90		1 per batch	GR
Total Suspended Solids	SAMPLE MEASUREMENT				4	18	30	0	47 batches	GR
	PERMIT REQUIREMENT						30		1 per batch	GR
pH	SAMPLE MEASUREMENT				6.1		7.3	0	47 batches	GR
	PERMIT REQUIREMENT				NA		NA		1 per batch	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Mohamed T. El-Ashry  
Director of ENV QUAL  
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: FTS 854-3173  
DATE: 80 05 28  
AREA CODE: NUMBER: YEAR: MO: DAY

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



NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

018  
 DISCHARGE NUMBER

Office Bldg. Sump 2

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) QUANTITY OR LOADING (46-51)			(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			
					NO DISCHARGE					
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
TYPED OR PRINTED				AREA CODE	NUMBER	YEAR	MO	DAY		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										



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

Service Bldg. Sump

DISCHARGE NUMBER  
019

PERMIT NUMBER  
TN0026450

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
FROM 80 03 01 TO 80 04 01

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	QUANTITY OR LOADING (14-15)		QUANTITY OR CONCENTRATION (18-21)			UNITS	NO. EX ANALYSIS (22-23)	FREQUENCY OF ANALYSIS (24-26)	SAMPLE TYPE (27-28)
	AVERAGE (16-17)	MAXIMUM (14-15)	MINIMUM (18-19)	AVERAGE (20-21)	MAXIMUM (22-23)				
Flow	SAMPLE MEASUREMENT	0.001				mgd	0	3/30	GR
	PERMIT REQUIREMENT	NA						2/7	GR OR P.log
Oil and Grease	SAMPLE MEASUREMENT			<5.0	19	mg/l	0	3/30	GR
	PERMIT REQUIREMENT			15	20			2/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT			41	104	mg/l	1	3/30	GR
	PERMIT REQUIREMENT			30	100			2/7	GR
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penal. Imprisonment of between 6 months and 5 years.)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Mohamed T. El-Ashry  
Director of ENV QUAL  
TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
TELEPHONE  
AREA CODE  
NUMBER  
DATE  
YEAR MO DAY  
80 05 28  
854-3173

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

A noncompliance statement was submitted to EPA on March 13, 1980.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

020  
 DISCHARGE NUMBER

Diesel Generating Bldg.

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(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) (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 (71-76)	SAMPLE TYPE (87-90)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Flow				mgd				0	*		
		NA	NA						2/7	GR	
Oil and Grease					<5.0	<5.3	7.4	mg/1	0	2/7	GR
						15	20		2/7	GR	
Total Suspended Solids					9	20	31	mg/1	0	2/7	GR
						30	100		2/7	GR	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Mohamed T. El-Ashry</b> Director of ENV QUAL TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 RTS AREA CODE 854-3173	DATE YEAR 80 MO 05 DAY 28
--	---	--	-------------------------------------	------------------------------

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

\*Flow monitoring was unrepresentative.

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

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if different)  
 NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Saddy, Tennessee 37379

DISCHARGE NUMBER  
021

PERMIT NUMBER  
TN0026450

MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 80 03 01 TO 80 04 01

Sodium Hypochlorite Bldg. Floor and Equipment drains

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	QUANTITY OR LOADING (14-61)			QUALITY OR CONCENTRATION (14-61)			NO. EX. (42-43)	FREQUENCY OF ANALYSIS (44-45)	SAMPLE TYPE (46-48)
	AVERAGE (16-53)	MAXIMUM (15-61)	UNITS	MINIMUM (18-45)	AVERAGE (16-53)	MAXIMUM (16-41)			
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
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PERMIT REQUIREMENT									
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PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
(11 and Only) (16-53) QUANTITY OR LOADING (14-61) (18-45) QUALITY OR CONCENTRATION (16-41) (16-53) AVERAGE (18-45) MINIMUM (16-41) MAXIMUM (16-53) UNITS (16-41) UNITS (16-53) UNITS NO DISCHARGE									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL. TYPED OR PRINTED								TELEPHONE FTS 854-3173 AREA CODE NUMBER	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT DATE 80 05 78	

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or imprisonment of between 6 months and 5 years.)

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

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if different)  
 NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

DISCHARGE NUMBER 023  
 PERMIT NUMBER TN0026450  
 MONITORING PERIOD  
 FROM 80 03 01 TO 80 04 01  
(28-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER <small>(12-17)</small>	QUANTITY OR LOADING <small>(54-61)</small>			QUALITY OR CONCENTRATION <small>(54-61)</small>			NO. EX ANALYSIS <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-65)</small>	SAMPLE TYPE <small>(66-76)</small>
	AVERAGE <small>(16-51)</small>	MAXIMUM <small>(54-61)</small>	UNITS	MINIMUM <small>(58-65)</small>	AVERAGE <small>(66-73)</small>	MAXIMUM <small>(66-73)</small>			
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
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PERMIT REQUIREMENT									
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
								TELEPHONE NUMBER	
								DATE	
								FTS AREA CODE 854-3173	
								YEAR 80	
								MO 05	
								DAY 28	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

024  
 DISCHARGE NUMBER

Diffuser Gate

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
80	03	01		80	04	01
(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-78)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	161.8	770					0	Cont	Rec
	PERMIT REQUIREMENT	NA	NA	mgd					Cont	Rec
Discharge Temperature (Open Mode)	SAMPLE MEASUREMENT		54					0	1/1	Rec
	PERMIT REQUIREMENT	NA	112.5	°F					Cont	Rec
Downstream Temperature	SAMPLE MEASUREMENT		53					0	1/1	Rec
	PERMIT REQUIREMENT	NA	86.9	°F					Cont	Rec
Reservoir Temperature Rise	SAMPLE MEASUREMENT		0.54					0	Cont	Rec
	PERMIT REQUIREMENT	NA	5.4	°F					Cont	Rec
Reservoir Temperature Rate of Rise	SAMPLE MEASUREMENT		0					0	Cont	Rec
	PERMIT REQUIREMENT	NA	3.6	°F/Hour					Cont	Rec
pH	SAMPLE MEASUREMENT				6.1	8.4		0	1/1	GR
	PERMIT REQUIREMENT				6.0	9.0	Units		1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT	Not Chlorinated						0		
	PERMIT REQUIREMENT					0.1			Cont	Rec

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV QUALITY  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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  
 854-3173 80 05 28  
 AREA CODE NUMBER YEAR MO DAY

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

PERMIT NUMBER TN0026450  
 DISCHARGE NUMBER 024  
 MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Diffuser Gate

NOTE: Read instructions before completing this form.

PARAMETER <small>(12-17)</small>	X	<small>(3 Card Only)</small> QUANTITY OR LOADING <small>(46-53)</small>			<small>(4 Card Only)</small> QUALITY OR CONCENTRATION <small>(54-61)</small>				NC. EX. <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-68)</small>	SAMPLE TYPE <small>(69-70)</small>
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Chlorine Residual	SAMPLE MEASUREMENT	Not chlorinated						mg/l	0		
	PERMIT REQUIREMENT					NA	0.1			1/wk	GR
Chloride	SAMPLE MEASUREMENT						0.7	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Oil and Grease	SAMPLE MEASUREMENT						<5.0	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Sodium	SAMPLE MEASUREMENT						4.0	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Sulfate	SAMPLE MEASUREMENT						20	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
TSS	SAMPLE MEASUREMENT						9	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
T. Settleable Solids	SAMPLE MEASUREMENT						<0.1	ml/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV QUAL							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Saddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

024  
 DISCHARGE NUMBER

Diffuser Gate

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(28-29)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
TDS	SAMPLE MEASUREMENT						61	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Solids	SAMPLE MEASUREMENT						65	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Ammonia Nitrogen	SAMPLE MEASUREMENT						0.26	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Copper	SAMPLE MEASUREMENT						0.03	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Iron	SAMPLE MEASUREMENT						0.23	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Manganese	SAMPLE MEASUREMENT						0.07	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Zinc	SAMPLE MEASUREMENT						0.005	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry Director of ENV QUAL	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	NUMBER	YEAR

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

025  
 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
80	03	01	TO	80	04	01
(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 (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (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		560.0	mgd				0	Cont	Rec	
	PERMIT REQUIREMENT		NA						Cont	Rec	
Ambient Temp	SAMPLE MEASUREMENT		53.0	°F				0	1/hr	Rec	
	PERMIT REQUIREMENT		NA						1/hr	Rec	
Chlorine Residual	SAMPLE MEASUREMENT		Not chlorinating				mg/l	0			
	PERMIT REQUIREMENT						NA		1/7	Mult GR	
Chloride	SAMPLE MEASUREMENT						0.7	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Oil and Grease	SAMPLE MEASUREMENT						<5.0	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Sodium	SAMPLE MEASUREMENT						1.9	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
Sulfate	SAMPLE MEASUREMENT						14	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA		1/30	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE	DATE			
Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						FTS AREA CODE	854-3173	80	05	28

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

Plant and ERCW intakes presently at same location; flow quantity is maximum value during sampling period. Ambient temp data: (1) are reported as the maximum of the hourly calculated values for the sampling period, (2) will be both temporally and spatially averaged upon completion of the permanent monitor.



NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

025  
 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	03	01	80	04	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 Card Only) (40-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			UNITS (54-61)	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-78)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
TSS	SAMPLE MEASUREMENT						10	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
T. Settleable Solids	SAMPLE MEASUREMENT						<0.1	ml/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
T.D.S.	SAMPLE MEASUREMENT						55	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total Solids	SAMPLE MEASUREMENT						70	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Ammonia Nitrogen	SAMPLE MEASUREMENT						0.19	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
T. Copper	SAMPLE MEASUREMENT						0.02	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
T. Iron	SAMPLE MEASUREMENT						0.31	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Mohamed T. El-Ashry Director of ENV QUALITY TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 2854-3173 AREA CODE NUMBER	80	05	28

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyan Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

025  
 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD  
 FROM YEAR 80 MO 03 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (46-51)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
Total manganese	SAMPLE MEASUREMENT						0.07	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
Total zinc	SAMPLE MEASUREMENT						0.02	mg/l	0	1/30	GR
	PERMIT REQUIREMENT						NA			1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE	
Mohamed T. El-Ashry Director of ENV QUAL TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	854-3173	80

28

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

PERMITTEE NAME/ADDRESS (Include Facility Name, Location if different)  
 Tennessee Valley Authority  
 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY: Sequoyah Nuclear Plant  
 LOCATION: Huddy, Tennessee 37379

PERMIT NUMBER: TN0026450  
 DISCHARGE NUMBER: 001

MONITORING PERIOD  
 FROM 80 (28-27) TO 80 (28-29)  
 YEAR MO DAY YEAR MO DAY  
 80 04 01 80 05 01

Construction Sewage Treatment Plant

NOTE: Read instructions before completing this form.

PARAMETER (13-17)	QUANTITY OR LOADING (14 and 15) (54-61)			QUALITY OR CONCENTRATION (16-19) (46-53)			NO. EX (43-47)	FREQUENCY OF ANALYSIS (44-48)	SAMPLE TYPE (49-50)	
	AVERAGE (48-51)	MAXIMUM (54-61)	UNITS (52-53)	AVERAGE (46-53)	MINIMUM (38-45)	MAXIMUM (54-61)				UNITS (52-53)
Flow	SAMPLE MEASUREMENT	0.015					0	25/30	Weir	
	PERMIT REQUIREMENT	NA	0.030	mgd				1/1	Weir	
BOD <sub>5</sub>	SAMPLE MEASUREMENT	1.24	1.75		5.2	10	0	2/30	GR	
	PERMIT REQUIREMENT	7.5	11.0	lb/day		30		2/30	GR	
Total Suspended Solids	SAMPLE MEASUREMENT	2.13	3.0		9	16	0	2/30	GR	
	PERMIT REQUIREMENT	7.5	11.0	lb/day		30		2/30	GR	
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	0	25/30	GR	
	PERMIT REQUIREMENT							1/1	GR	
Chlorine Residual	SAMPLE MEASUREMENT				1.2	1.5	0	25/30	GR	
	PERMIT REQUIREMENT							1/1	GR	
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	0	2/30	GR	
	PERMIT REQUIREMENT					NA		2/30	GR	
pH	SAMPLE MEASUREMENT				6.8	7.8	0	25/30	GR	
	PERMIT REQUIREMENT				6.0	9.0		1/1	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR WITH INTENTIONAL TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES, SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalty: Imprisonment of between 6 months and 5 years.)			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY							854-3173		80 05 28	
TYPED OR PRINTED							AREA NUMBER		YEAR MO DAY	
							854-3173		80 05 28	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Savannah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(17-18) TN0026450 (17-19) 001  
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Construction Sewage Treatment Plant

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	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				UNITS
Dissolved Oxygen	SAMPLE MEASUREMENT				1.6	2.6	5.5	mg/l	0	25/30	GR
	PERMIT REQUIREMENT				1.0	NA	NA		1/1	GR	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE		
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		PTS AREA CODE	854-3173	80
COMMENT AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)										

NAME Tennessee Valley Authority  
 ADDRESS 258 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

002  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	04	01	80	05	01
(20-21)	(22-21)	(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	0.003	0.003					0	25/30	Weir	
	PERMIT REQUIREMENT	NA	0.015	mgd					1/1	Weir	
BOD <sub>5</sub>	SAMPLE MEASUREMENT	.64	1.1		7.8	26	44	0	2/30	GR	
	PERMIT REQUIREMENT	3.8	5.6	lb/day		30	45	mg/l	2/30	GR	
Total Suspended Solids	SAMPLE MEASUREMENT	.39	.62		7	16	25	0	2/30	GR	
	PERMIT REQUIREMENT	3.8	5.6	lb/day		30	45	mg/l	2/30	GR	
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	0	25/30	GR	
	PERMIT REQUIREMENT					NA	1.0	ml/l	1/1	GR	
Chlorine Residual	SAMPLE MEASUREMENT				1.5	1.7	1.9	0	25/30	GR	
	PERMIT REQUIREMENT					NA	2.0	mg/l	1/1	GR	
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	<10	0	2/30	GR	
	PERMIT REQUIREMENT					NA	NA	N/100 ml	2/30	GR	
pH	SAMPLE MEASUREMENT				6.8		7.8	0	25/30	GR	
	PERMIT REQUIREMENT				6.0		9.0	units	1/7	GR	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		PTS	854-3173	80
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-16)  
 TN0026450  
 PERMIT NUMBER

(17-19)  
 002  
 DISCHARGE NUMBER

Construction Sewage Treatment Plant

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			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			
Dissolved Oxygen	SAMPLE MEASUREMENT				2.0	2.6	3.6	mg/l	0	25/30	GR
	PERMIT REQUIREMENT				1.0	NA	NA			1/1	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)						AREA CODE	NUMBER	YEAR	MO	DAY	

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

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

Form Approved OMB No. 158-R0073

NAME Tennessee Valley Authority  
 ADDRESS 266 4th Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

PERMIT NUMBER TN0026450  
 DISCHARGE NUMBER 003

Sewage Treatment Plant (Sand Filter)

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(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) (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 (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	0.012	0.016	mgd				0	1/1	Weir
	PERMIT REQUIREMENT	0.0149	NA							1/1
BOD <sub>5</sub>	SAMPLE MEASUREMENT	1.2	1.3	lb/day	12	13	14	0	2/30	GR
	PERMIT REQUIREMENT	3.7	5.6		30	45	mg/l		2/30	GR
Total Suspended Solids	SAMPLE MEASUREMENT	0.55	0.60	lb/day	6	6	6	0	2/30	GR
	PERMIT REQUIREMENT	3.7	5.6		30	45	mg/l		2/30	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1	0	1/1	GR
	PERMIT REQUIREMENT				NA	1.0	ml/l		1/1	GR
Chlorine Residual	SAMPLE MEASUREMENT				<0.1	<0.8	2.2	0	1/1	GR
	PERMIT REQUIREMENT				NA	NA	mg/l		1/1	GR
Fecal Coliform	SAMPLE MEASUREMENT				<10	<10	<10	0	2/30	GR
	PERMIT REQUIREMENT				NA	NA	N/100 ml		2/30	GR
pH	SAMPLE MEASUREMENT				6.9		7.0	0	1/7	GR
	PERMIT REQUIREMENT				6.0		9.0	units	1/7	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FTS AREA CODE	854-3173 NUMER	80 YEAR	05 MO

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

NAME: Tennessee Valley Authority  
 ADDRESS: 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY: Heguyah Nuclear Plant  
 LOCATION: Soddy, Tennessee 37379

PERMIT NUMBER: TN0026450

DISCHARGE NUMBER: 004

Construction Runoff

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	80	04	01		80	05	01
	(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			
SAMPLE MEASUREMENT		NO DISCHARGE								
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
			FPS AREA CODE	NUMBER	YEAR	MO	DAY
			854-3173	80	05	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 EPA No. 158-R-0073

NAME \* Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER  
 005  
 DISCHARGE NUMBER

Construction Runoff

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (14-15)			QUALITY OR CONCENTRATION (16-17)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (18-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
		NO DISCHARGE								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Mohamed T. El-Ashry, DIRECTOR OF ENV. QUALITY  
 THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319.  
 TELEPHONE: 854-3173  
 DATE: 80 05 28  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [Signature]

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 Flow Monitoring was unrepresentative. Only one discharge this month.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-16) TN0026450  
 PERMIT NUMBER  
 (17-19) 006  
 DISCHARGE NUMBER

Construction Runoff

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-37)	X	(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
		NO DISCHARGE.								
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

No. 47/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of Env. Quality  
 TYPED OR PRINTED

THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 NUMBER YEAR MO DAY  
854-3173 80 05 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. 158-R0073

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sec. Byah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

007  
 DISCHARGE NUMBER

Yard Drainage Pond

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	04	01	80	05	01
(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) 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	6.4	15							0	1/7	GR	
	PERMIT REQUIREMENT		NA	mgd								1/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT				4	10	14			0	1/7	GR	
	PERMIT REQUIREMENT					NA	NA	mg/l				1/7	GR
Settleable Solids	SAMPLE MEASUREMENT				<0.1	<0.1	<0.1			0	1/7	GR	
	PERMIT REQUIREMENT					NA	NA	ml/l				1/7	GR
Turbidity	SAMPLE MEASUREMENT				6.2	8.3	10			0	1/7	GR	
	PERMIT REQUIREMENT					NA	NA	JTU				1/7	GR
pH	SAMPLE MEASUREMENT				7.5		7.9			0	1/7	GR	
	PERMIT REQUIREMENT				6.0		9.0	units				1/7	GR
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	FRTS AREA CODE 854-3173	80	05	28

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

NAME: Tennessee Valley Authority  
 ADDRESS: 263 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY: Sequoyah Nuclear Plant  
 LOCATION: Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER  
 008  
 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Concrete Batch Plant

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	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	0.003	0.007					0	1/7	GR
	PERMIT REQUIREMENT	NA	NA	mgd					1/7	GR
Oil and Grease	SAMPLE MEASUREMENT				<5	<5	<5	0	2/30	GR
	PERMIT REQUIREMENT					NA	20	mg/l	1/30	GR
TSS	SAMPLE MEASUREMENT				8	17	25	0	1/7	GR
	PERMIT REQUIREMENT					NA	50	mg/l	1/7	GR
pH	SAMPLE MEASUREMENT				7.3		8.8	0	1/7	GR
	PERMIT REQUIREMENT				6.0		9.0	units	1/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	NUMBER	YEAR	MO	DAY
			854-3173	80	05	28	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Savannah Nuclear Plant  
 LOCATION Soldy, Tennessee 37379

(2-16) TN0026450 (17-19) 009  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Preperational Metal Cleaning Wastes

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 (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	0.975	0.975						0	2/30	Cal.
	PERMIT REQUIREMENT	NA	NA	mgd						1/1	Cal.
Oil and Grease	SAMPLE MEASUREMENT								0	*	
	PERMIT REQUIREMENT					15	20	mg/l		1/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT						5		0	1/30	8-hr, Comp.
	PERMIT REQUIREMENT					30	100	mg/l		1/7	8-hr, Comp.
Copper	SAMPLE MEASUREMENT						0.02			1/30	8-hr, Comp.
	PERMIT REQUIREMENT					1.0	1.0	mg/l		1/7	8-hr, Comp.
Iron	SAMPLE MEASUREMENT						0.22		0	1/30	8-hr, Comp.
	PERMIT REQUIREMENT					1.0	1.0	mg/l		1/7	8-hr, Comp.
Phosphorus	SAMPLE MEASUREMENT						.38		0	1/30	8-hr, Comp.
	PERMIT REQUIREMENT					1.0	1.0	mg/l		1/7	8-hr, Comp.
COD	SAMPLE MEASUREMENT						28		0	1/30	8-hr, Comp.
	PERMIT REQUIREMENT					NA	100	mg/l		1/7	8-hr, Comp.
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
							854-3173	80	05	28	

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

\*Oil and grease samples were inadvertently not collected during this discharge period. However, there was no visible sheen on the water surface.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

010  
 DISCHARGE NUMBER

Station Sump

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	04	01	80	05	01
(28-29)	(22-24)	(24-26)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) QUANTITY OR LOADING (46-51)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	2.83	7.8					0	7/30	Cal
	PERMIT REQUIREMENT	NA	NA	mgd					Cont	P.Log
Oil and Grease	SAMPLE MEASUREMENT	<30.4	<46		<5.0	<5.0	<5.0	5*	2/7	GR
	PERMIT REQUIREMENT	11.9	15.9	kg/day		15	20		2/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT	116	150		9	19	50	6*	2/7	GR
	PERMIT REQUIREMENT	23.8	79.50	kg/day		30	100		2/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPE: O OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	NUMBER	YEAR	MO

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

A noncompliance statement was submitted to EPA on 7/18/79 explaining the violations. A permit modification was requested on October 13, 1979.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 CITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-18) TN0026450 (17-19) 012  
 PERMIT NUMBER DISCHARGE NUMBER

Cooling Tower Blowdown

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 04 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			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		0.75	mgd				0	Cont	Rec
	PERMIT REQUIREMENT	NA	NA						Cont	Rec.
pH	SAMPLE MEASUREMENT				7.6		8.2	0	1/7	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 <u>Mohamed T. El-Ashry</u> <u>DIRECTOR OF ENV. QUALITY</u> TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
			FPS AREA CODE   <u>854-3173</u>	YEAR   <u>80</u>	MO   <u>05</u>	DAY   <u>28</u>

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-18) TN0026450  
 PERMIT NUMBER  
 (17-19) 013  
 DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(26-27) (22-23) (24-25) (26-27) (28-29) (30-31)

Recycled Cooling Water

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 and Only) (46-53)			QUALITY OR CONCENTRATION (41 and Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
SAMPLE MEASUREMENT		NO DISCHARGE.									
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE	DATE			
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						RTS AREA CODE	854-3173	80	05	28
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)							NUMBER	YEAR	MO	DAY	



NAME Tennessee Valley Authority  
 ADDRESS 266 401 building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

014  
 DISCHARGE NUMBER

Condensate Demineralizer Regeneratic Waste, High Conductivity, Low Crud

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	04	01	80	05	01
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form

PARAMETER (32-37)	X	QUANTITY OR LOADING (33 card Only) (40-53)			QUALITY OR CONCENTRATION (34 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT		0.0096					0	1 batch	Calc
	PERMIT REQUIREMENT	NA	NA	mgd					1 batch	Calc
Oil and Grease	SAMPLE MEASUREMENT		<0.18			<5.0		0	1 batch	GR
	PERMIT REQUIREMENT	1.6	2.2	kg/day		15	20	mg/l	1 batch	GR
Total Suspended Solids	SAMPLE MEASUREMENT		0.36			10		0	1/batch	GR
	PERMIT REQUIREMENT	3.3	11.0	kg/day		30	100	mg/l	1/batch	GR
pH	SAMPLE MEASUREMENT					6.0		0	1/batch	GR
	PERMIT REQUIREMENT				6.0	9.0	units		1/batch	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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	NUMBER	YEAR	MO	DAY
			854-3173	80	05	28	

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-18) TN0026450  
 PERMIT NUMBER  
 (17-19) 015  
 DISCHARGE NUMBER

Condensate Demineralizer Regeneratio  
 Waste, Low Conductivity, High Cr

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(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) (40-53) 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	NO DISCHARGE								
	PERMIT REQUIREMENT									
Oil and Grease	SAMPLE MEASUREMENT	NO DISCHARGE								
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <u>Mohamed T. El-Ashry</u> <u>Director of ENV. Quality</u> TYPED OR PRINTED	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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 <u>854-3173</u> AREA CODE NUMBER	<u>80</u> YEAR	<u>05</u> MO	<u>28</u> DAY

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-18) (17-19)

TN0026450	016
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
80	04	01	80	05	01
(20-21)	(22-31)	(24-25)	(26-27)	(28-29)	(30-31)

Liquid Radwaste

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (34 and (4a)) (46-51)			QUALITY OR CONCENTRATION (4 Card Only) (38-45) (46-51)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	0.022	0.015					0	27 batches	GR
	PERMIT REQUIREMENT		NA	mgd					1/batch	GR
Oil and Grease	SAMPLE MEASUREMENT				<5.0	<5.36	9.3	0	27 batches	GR
	PERMIT REQUIREMENT						20		1/batch	GR
Total Suspended Solids	SAMPLE MEASUREMENT				<1.0	14	30	0	27 batches	GR
	PERMIT REQUIREMENT						30		1/batch	GR
pH	SAMPLE MEASUREMENT				6.0		7.6	0	27 batches	GR
	PERMIT REQUIREMENT				NA		NA		1/batch	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE
Mohamed T. El-Ashry DIRECTOR OF ENV. QUALITY TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	FPS AREA CODE   854-3173	80   05   28 YEAR   MO   DAY

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. 158-R0073

NAME Tennessee Valley Authority  
ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
FACILITY Sequoyah Nuclear Plant  
LOCATION Roady, Tennessee 37379

TN0026450  
PERMIT NUMBER

017  
DISCHARGE NUMBER

Office Building Sump-1

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
80	04	01	80	05	01
(20-21)	(22-21)	(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 (48-51)			(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			
		NO DISCHARGE								
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	PTS AREA CODE	854-3173 NUMBER	80 YEAR	05 MO

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

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

018  
 DISCHARGE NUMBER

Office Building Sump-2

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)	
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (54-61)	AVERAGE (54-61)	MAXIMUM (54-61)				UNITS (54-61)
	SAMPLE MEASUREMENT	NO DISCHARGE									
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)					TELEPHONE		DATE		
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS	854-3173	80
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		AREA CODE		NUMBER		YEAR	MO	DAY			

NAME \* Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(12-16) TN0026450 (17-19) 01/  
 PERMIT NUMBER DISCHARGE NUMBER

Service Building Sump

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OF LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)			
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (54-61)	AVERAGE (54-61)	MAXIMUM (54-61)				UNITS (54-61)		
Flow	SAMPLE MEASUREMENT	0.006	0.018					0	3/30	GR			
	PERMIT REQUIREMENT	NA	NA	mgd					2/7	grab & P.Logs			
Oil and Grease	SAMPLE MEASUREMENT				<5.0	<8.7	16	0	3/30	GR			
	PERMIT REQUIREMENT					15	20		2/7	GR			
Total Suspended Solids	SAMPLE MEASUREMENT				30	68	89	0	3/30	GR			
	PERMIT REQUIREMENT					30	100		2/7	GR			
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE				
Mohamed T. El-Ashry							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		854-3173		80	05	28
Director of ENV. Quality							AREA CODE	NUMBER	YEAR	MO	DAY		
TYPED OR PRINTED	COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

020  
 DISCHARGE NUMBER

Diesel Generating Building

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(20-22) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (46-53)			QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)
		AVERAGE (46-53)	MAXIMUM (54-55)	UNITS (56-57)	MINIMUM (58-59)	AVERAGE (60-61)	MAXIMUM (62-63)			
Flow			*					0		
	PERMIT REQUIREMENT	NA	NA	mgd					2/7	GR
Oil and Grease	SAMPLE MEASUREMENT				<5.0	<5.3	7.7	0	8/30	GR
	PERMIT REQUIREMENT					15	20	mg/l	2/7	GR
Total Suspended Solids	SAMPLE MEASUREMENT				<1.0	5	7	0	8/30	GR
	PERMIT REQUIREMENT					30	100	mg/l	2/7	GR
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENT, OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE		DATE			
Mohamed T. El-Ashry Director of ENV. Quality		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	PTS	854-3173	80	05	28
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

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

\*Flow monitoring was unrepresentative.





NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 3740 37379

(2-16)  
 TN0026450  
 PERMIT NUMBER

(17-19)  
 023  
 DISCHARGE NUMBER

Steam Generator Blowdown to Cooling Tower Blowdownline

MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 80 04 01 TO 80 05 01  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	(3 Card Only) (16-53) QUANTITY OR LOADING (14-61)			(4 Card Only) (18-45) 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	
		NO DISCHARGE										
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be 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		
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED								FTS   854-3173		80	05	28
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)								AREA CODE	NUMBER	YEAR	MO	DAY

NAME \* Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Sody, Tennessee 37379

PERMIT NUMBER TN0026450  
 DISCHARGE NUMBER 024

Diffuser Gate

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (44-53)			QUALITY OR CONCENTRATION (54-63)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Flow	SAMPLE MEASUREMENT	267.7	680.0	mgd				0	Cont	Rec
	PERMIT REQUIREMENT	NA	NA							Cont
Discharge Temperature (Open Mode)	SAMPLE MEASUREMENT		64	°F				0	Cont	Rec
	PERMIT REQUIREMENT	NA	112.5							Cont
Downstream Temperature	SAMPLE MEASUREMENT		64	°F				0	Cont	Rec
	PERMIT REQUIREMENT	NA	86.9							Cont
Reservoir Temperature Rise	SAMPLE MEASUREMENT		0.4	°F				0	Cont	Rec
	PERMIT REQUIREMENT	NA	5.4							Cont
Reservoir Temperature Rate of Rise	SAMPLE MEASUREMENT		0.54	°F per Hour				0	Cont	Rec
	PERMIT REQUIREMENT	NA	3.6							Cont
pH	SAMPLE MEASUREMENT				6.9	8.7	units	0	1/1	GR
	PERMIT REQUIREMENT				6.0	9.0				1/1
Chlorine Residual	SAMPLE MEASUREMENT	NOT CHLORINATED						0		
	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE	
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)							854-3173	80	05	28

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(12-16) TN0026450 (17-19) 024  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Diffuser Gate

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 (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
Chlorine Residual	SAMPLE MEASUREMENT	NOT CHLORINATED						0		
	PERMIT REQUIREMENT					NA	0.1	mg/l	1/1	Mult GR
Chloride	SAMPLE MEASUREMENT						<0.01	0	1/30	GR
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR
Oil and Grease	SAMPLE MEASUREMENT						<5.0	0	1/30	GR
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR
Sodium	SAMPLE MEASUREMENT						10.2	0	1/30	GR
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR
Sulfate	SAMPLE MEASUREMENT						10.5	0	1/30	GR
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR
TSS	SAMPLE MEASUREMENT						4	0	1/30	GR
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR
Total Settleable Solids	SAMPLE MEASUREMENT						<0.1	0	1/30	GR
	PERMIT REQUIREMENT						NA	ml/l	1/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE	
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS AREA CODE	NUMBER
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										

NAME • Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

(2-16) TN0026450 (2-17) 024  
 PERMIT NUMBER DISCHARGE NUMBER  
 MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Diffuser Gate

NOTE: Read instructions before completing this form.

PARAMETER <small>(32-37)</small>	X	QUANTITY OR LOADING <small>(46-53)</small>			QUALITY OR CONCENTRATION <small>(54-61)</small>				NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-65)</small>	SAMPLE TYPE <small>(66-70)</small>	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
TDS	SAMPLE MEASUREMENT							82		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
Total Solids	SAMPLE MEASUREMENT							86		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
Ammonia Nitrogen	SAMPLE MEASUREMENT							0.05		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
Total Copper	SAMPLE MEASUREMENT							0.02		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
Total Iron	SAMPLE MEASUREMENT							0.45		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
Total Manganese	SAMPLE MEASUREMENT							0.03		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
Total Zinc	SAMPLE MEASUREMENT							0.03		0	1/30	GR
	PERMIT REQUIREMENT							NA	mg/l		1/30	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	THIS DOCUMENT IS SIGNED WITH RECOGNITION THAT KNOWINGLY MAKING A FALSE CERTIFICATION ON THIS REPORT OR SUPPORTING DOCUMENTS OR INTENTIONALLY TAMPERING WITH ANY MONITORING DEVICE OR METHOD ARE CRIMINAL OFFENSES. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may be fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE		DATE			
Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												

NAME \* Tennessee Valley Authority  
 ADDRESS 268 401 Building  
 Chattanooga, Tennessee 37401  
 FACILITY Sequoyah Nuclear Plant  
 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

025  
 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(26-27) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (34-41)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-70)	
		AVERAGE (34-35)	MAXIMUM (36-37)	UNITS (38-41)	MINIMUM (46-47)	AVERAGE (48-49)	MAXIMUM (50-51)				UNITS (52-53)
Flow	SAMPLE MEASUREMENT		560					0	Cont	Rec	
	PERMIT REQUIREMENT		NA	mgd					Cont	Rec	
Ambient Temperature	SAMPLE MEASUREMENT		64					0	30/30	Rec	
	PERMIT REQUIREMENT		NA	°F					1 Hr.	Rec	
Chlorine Residual	SAMPLE MEASUREMENT	NO CHLORINATION THIS MONTH						0			
	PERMIT REQUIREMENT						NA	mg/l	1/7	Mult GR	
Chloride	SAMPLE MEASUREMENT						<0.0	0	1/30	GR	
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR	
Oil and Grease	SAMPLE MEASUREMENT						<5.0	0	1/30	GR	
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR	
Sodium	SAMPLE MEASUREMENT						6.8	0	1/30	GR	
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR	
Sulfate	SAMPLE MEASUREMENT						8	0	1/30	GR	
	PERMIT REQUIREMENT						NA	mg/l	1/30	GR	
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Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		FTS 654-3173	80	05

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

Plant and ERCW intakes presently at same location; flow quantity is maximum value during sampling period. Ambient temperature data: (1) are reported as the maximum of the hourly calculated values for the sampling period, and (2) will be both temporari and spatially averaged upon completion of the permanent monitor.

NAME Tennessee Valley Authority  
 ADDRESS 268 401 Building  
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 LOCATION Soddy, Tennessee 37379

TN0026450  
 PERMIT NUMBER

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 DISCHARGE NUMBER

Plant and ERCW Intakes

MONITORING PERIOD  
 FROM YEAR 80 MO 04 DAY 01 TO YEAR 80 MO 05 DAY 01  
(29-31) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-17)	X	QUANTITY OR LOADING (34-61)			QUALITY OR CONCENTRATION (46-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)	
		AVERAGE (34-35)	MAXIMUM (36-37)	UNITS (38-40)	MINIMUM (46-47)	AVERAGE (48-49)	MAXIMUM (50-51)				UNITS (52-54)
TSS	SAMPLE MEASUREMENT						15	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
T. Settleable Solids	SAMPLE MEASUREMENT						0.1	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
TDS	SAMPLE MEASUREMENT						72	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Solids	SAMPLE MEASUREMENT						87	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
Ammonia Nitrogen	SAMPLE MEASUREMENT						0.03	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Copper	SAMPLE MEASUREMENT						1.1	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
Total Iron	SAMPLE MEASUREMENT						0.07	0	1/30	GR	
	PERMIT REQUIREMENT						NA		1/30	GR	
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Mohamed T. El-Ashry Director of ENV. Quality TYPED OR PRINTED								FTS 854-3173		80 05 28	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

NAME Tennessee Valley Authority  
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Plant and ERCW Intakes

MONITORING PERIOD  
 FROM 80 04 01 TO 80 05 01  
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER <small>(32-37)</small>	X	QUANTITY OR LOADING <small>(46-53)</small>			QUALITY OR CONCENTRATION <small>(54-61)</small>				NO. EX <small>(62-63)</small>	FREQUENCY OF ANALYSIS <small>(64-68)</small>	SAMPLE TYPE <small>(69-70)</small>
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Total Manganese	SAMPLE MEASUREMENT								0	1/30	GR
	PERMIT REQUIREMENT						0.06				
Total Zinc	SAMPLE MEASUREMENT								0	1/30	GR
	PERMIT REQUIREMENT						NA	mg/l		1/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mohamed T. El-Ashry  
 Director of ENV. Quality  
 TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER 854-3173  
 DATE 80 05 28  
AREA CODE

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