

NAME TVA - SECOYAH NUCLEAR
ADDRESS 8411 E. DRAINED RD.
CHATTANOOGA TN 37421

IN002645 G
PERMIT NUMBER

101 1
DISCHARGE NUMBER

F - FINAL LIMITS
DIFFUSER GATE TO TENN RIVER

50-327
528

FACILITY
LOCATION
ATTN: SAM VANDEGRUFF

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	31
(12-21)	(12-25)	(12-25)	(12-27)	(12-29)	(10-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 P U SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	*****	76.5	79.6	83.8	0	29/30 ^{a)}	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	SEE PERMIT	GRAB
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 Q U SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	*****	90.0	97.2	100.0	0	29/30 ^{a)}	REC
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	112.5	0	CONTINRCORD UOUS	
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 R U SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	*****			b)			
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	97.0	0	CONTINRCORD UOUS	
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 O U DOWNSTREAM MONITOR	SAMPLE MEASUREMENT	*****	*****	*****			b)			
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	101.0	0	DAILY	GRAB
TEMP DIFF. BETWEEN SAMPLE AND UPSTREAM 00016 M O UP- AND DOWN-STREAM	SAMPLE MEASUREMENT	*****	*****	*****	0.7	2.5	4.4	0	27/30 ^{d)}	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	5.4 INST MX	0	SEE PERMIT	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	SEE PERMIT	
00400 I U EFFLUENT CROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0	0	SEE PERMIT	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 I U EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	749	1776	MGD	*****	*****	*****	0	CONT ^{c)}	REC
	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	0	CONTINRCORD UOUS	

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: FTS 856-6601
DATE: 84 08 28

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
CLOSED MODE. INDICATE WHICH IS APPROPRIATE.
SEE PERMIT FOR FURTHER MONITORING REQUIREMENTS.
CORRESPONDS TO AMBIENT TEMPERATURE, 'Q' TO OPEN MODE, 'S' TO
a) COMPUTER MALFUNCTIONED TWO DAYS THIS REPORTING PERIOD.
b) PLANT OPERATED IN OPEN MODE ALL MONTH.
c) COMPUTER MALFUNCTIONED FOUR DAYS THIS REPORTING PERIOD.
d) COMPUTER MALFUNCTIONED FOUR DAYS THIS REPORTING PERIOD.

NAME JVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
 CHATTANOOGA TN 37421

TN0020450
 PERMIT NUMBER

1011
 DISCHARGE NUMBER

F - FINAL LIMITS
 DIFFUSER GATE TO TENN RIVER

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	31
(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) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	<0.1	<0.1	<0.1	0	22/30	CALC
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.10 MG/L INST MX		WEEK-DAYS	CALC
TEMPERATURE RATE OF CHANGE DEL. F/HOUR 74029 6 0 DOWNSTREAM MONITOR	SAMPLE MEASUREMENT	0.73	2.7	DEG F/HOUR	*****	*****	*****	0	27/30*	REC
	PERMIT REQUIREMENT	*****	3.6 INST MX	HOUR	*****	*****	*****		SEE PERMIT	CALC
DOWNSTREAM TEMPERATURE	SAMPLE MEASUREMENT	80.1	82.5	DEG. F				0	27/30*	REC
	PERMIT REQUIREMENT		86.9						CONT	REC
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 *CORRESPONDS TO AMBIENT TEMPERATURE, '0' TO OPEN MODE, 'S' TO CLOSED MODE. INDICATE WHICH IS APPROPRIATE. *COMPUTER MALFUNCTIONED FOUR DAYS THIS REPORTING PERIOD.
 SEE PERMIT FOR FURTHER MONITORING REQUIREMENTS.

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
CHATTANOOGA TN 37421

(2-16) IND026450
 PERMIT NUMBER
 (17-19) 102 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 YARD DRAINAGE POND EFFLUENT

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH		*****	*****	*****	7.2	*****	8.9		0	18/30	GR
00400 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	0.0 MINIMUM	*****	9.0 MAXIMUM	30		THREE WEEK	GRAB
SOLIDS, TOTAL SUSPENDED		*****	*****	*****	*****	36	179		1	22/30	GR
00530 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	DAILY AV 30	DAILY MX 100	MG/L		WEEK- DAYS	GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT.		*****	*****	*****	*****	<6.5	17		0	8/30	GR
00550 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	*****	DAILY AV 5	DAILY MX 20	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		2.0	3.5		*****	*****	*****	*****	0	31/30	REC
50050 1 0 EFFLUENT GROSS VALUE		DAILY AV	DAILY MX	MGD	*****	*****	*****	*****		CONTIN UOUS	CORD

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 PH MEASUREMENT FREQUENCY SHALL NOT BE LESS THAN 1/WEEK AFTER 1 YEAR, UNLESS DETERMINED OTHERWISE.
 A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT
NO. TN0026450 - SEQUOYAH NUCLEAR PLANT

Description of the discharge--Discharge No. 102 - Yard drainage pond effluent. A routine sample collected on July 2 had a total suspended solids (TSS) concentration of 179 mg/L, exceeding the permitted limit of 100 mg/L.

Cause and period of the noncompliance--Between June 30 at 6 a.m. and July 1 at 6 a.m. a 0.75-inch rain occurred, and between July 1 at 6 a.m. and July 2 at 6 a.m. a 0.89-inch rain occurred. Thus, the TSS noncompliance was caused by rainfall runoff. Other samples collected were as follows.

<u>Date</u>	<u>Time</u>	<u>TSS Concentration (mg/L)</u>
6/29	9:30 a.m.	27.2
7/03	9:00 a.m.	38.4

Therefore, the maximum period of noncompliance was 95.5 hours.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--Because the TSS noncompliance was a result of rainfall runoff, no action is recommended at this time.

AUG 23 1984

Facility Name/Location (if different)
NAME TVA - SEQUOYAH NUCLEAR
ADDRESS 6411 E. BRAINERD RD.
 CHATTANOOGA TN 37421

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-16) TN0026450 (17-19) 1031
 PERMIT NUMBER DISCHARGE NUMBER

Form Approved OMB No. 2000-0015
F - FINAL LIMITS
LOW VOL WASTE TREAT POND EFFL

FACILITY
LOCATION
 AT TN: SAM VANDEGRIFF

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 84 07 01 TO 84 07 31
 (12-31) (12-31) (12-31) (12-31) (12-31) (12-31)

NOTE: Read instructions before completing this form.

PARAMETER (12-37)	X	(1 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (18-43) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.6	*****	9.6	1	15/30	GR
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM		THREE/ WEEK	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	<27	44		*****	<5.3	14	0	13/30	GR
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	380 DAILY AV	1250 DAILY MX	LBS/DY	*****	30 DAILY AV	100 DAILY MX		THREE/ WEEK	GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT	SAMPLE MEASUREMENT	<25	<52		*****	<5.0	<5.0	0	10/30	GR
00550 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	190 DAILY AV	250 DAILY MX	LBS/DY	*****	15 DAILY AV	20 DAILY MX		TWICE/ WEEK	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.69	1.3		*****	*****	*****	0	31/30	CAL
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	***** DAILY AV	***** DAILY MX	ACD	*****	*****	*****		DAILY TOTAL	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 FTS 856-6601
 AREA CODE NUMBER

DATE
 84 08 28
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 IN THE EVENT OF DISCHARGE OF TURBINE BLDG SUMP TO COHD COOL WATER CHANNEL OR DRAINAGE POND, TSS, OIL AND GREASE, AND PH SHALL BE MONITORED 5/WEEK. A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT
NO. TN0026450 - SEQUOYAH NUCLEAR PLANT

Description of the discharge--Discharge No. 103 - Low-volume waste treatment pond effluent. Routine samples collected with pH values exceeding the maximum permit limit of 9.0 standard units (s.u.) were as follows.

<u>Date</u>	<u>Time</u>	<u>pH (s.u.)</u>
6/20	9:00 a.m.	9.33
6/27	8:55 a.m.	9.37, 9.42
7/18	11:00 a.m.	9.57

Cause and period of the noncompliance--The June 20 noncompliance was a result of overflow from the lined metal-cleaning waste pond (DSN 107) into the low-volume waste treatment pond. DSN 107 contained regenerant wastes from the temporary demineralizer system and had a pH of 11.0 s.u.

The June 27 noncompliance was caused by caustic regenerant wastes from the temporary demineralizer system.

The July 18 noncompliance was caused by leaking valves on the NaOH tank associated with the temporary demineralizer system. These valves leaked NaOH into the building overflow sump that discharges into DSN 103 via the main turbine building sump piping.

DSN 103 was isolated because of these noncompliances. Other samples collected were as follows.

<u>Date</u>	<u>Time of Sample</u>	<u>pH (s.u.)</u>	<u>Time of Pond Isolation</u>
6/19	9:15 a.m.	8.76	
6/20	---	---	2:20 p.m.
6/26	9:00 a.m.	8.93	
6/27	---	---	1:55 p.m.
7/17	9:05 a.m.	8.75	
7/18	---	---	11:24 a.m.

Thus, the maximum noncompliance periods for the June 20, June 27, and July 18 noncompliances were 29, 29, and 26 hours, respectively.

Steps taken to reduce, eliminate, or prevent recurrence of the noncomplying discharge--June 20 noncompliance: The overflow of the lined pond, DSN 107, has been alleviated by the installation of additional piping to provide alternate usage of the lined and the unlined metal-cleaning waste ponds associated with DSN 107.

June 27 noncompliance: Operating instructions have been improved to prevent future routing of temporary demineralizer wastes to DSN 103. These wastes are to be routed to DSN 107 for treatment and will be discharged on a batch basis.

July 18 noncompliance: The diaphragms on the leaking valves have been replaced.

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
TVA - SEQUOYAH NUCLEAR
0411 E. BRAINEKD RD.
CHATTANOUGA TN 37421

FACILITY
 LOCATION
 ATTN: SAM VANDEGRIFF

(2-16) **IN0026450**
 PERMIT NUMBER

(17-19) **104 1**
 DISCHARGE NUMBER

F - FINAL LIMITS
 RADWASTE SYST TO COOL TWR BLWDN

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (45-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-43)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.6	*****	8.0		0	10/30	GR
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		TWICE/GRAB WEEK	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	<3.8	26		*****	<14	74		0	9/30	COMP
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	DAILY MX	LBS/DY	*****	DAILY AV	DAILY MX	30 100 MG/L		TWICE/COMP WEEK	
OIL AND GREASE (SOXHLET EXTR.) TOT	SAMPLE MEASUREMENT	<1.2	<2.0		*****	<5.0	<5.3		0	7/30*	GR
00550 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	DAILY MX	LBS/DY	*****	DAILY AV	DAILY MX	15 20 MG/L		TWICE/GRAB WEEK	
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	SAMPLE MEASUREMENT	0.028	0.048		*****	*****	*****	*****	0	9/30	REC
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DAILY AV	DAILY MX	MGD	*****	*****	*****	*****		ONCE/RECORD BATCH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
LOGGING ABNORMAL FLOW CONDITIONS, EXCEEDING .05 MGD AS A 7 DAY AVERAGE, DAILY MAXIMUM QUANTITY LIMITS MAY BE EXCEEDED, BUT SHALL NOT EXCEED 4 TIMES LIMITATIONS LISTED.
 ISS SAMPLE TYPE = 1 GRAB/BATCH COMPOSITED FOR ANALYSIS OVER A 24 HOUR DAY.
 *TWO SAMPLES WERE INADVERTENTLY NOT COLLECTED THIS REPORTING PERIOD.

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

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

Form Approved
OMB No. 2000-0015

NAME TVA - SEQUOYAH NUCLEAR
ADDRESS 6411 E. BRAINERD RD.
CHATTANOOGA TN 37421

TNO026450
PERMIT NUMBER

105 1
DISCHARGE NUMBER

F - FINAL LIMITS
REGEN TO COOL TWR SLOWN LINE

FACILITY
LOCATION
ATTN: SAM VANDEGRIF

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	31
(20-21)	(22-24)	(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)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH		*****	*****	*****	6.0	*****	9.0		0	61/30	GR
00400 1 0 EFFLUENT GROSS VALUE		*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/ BATCH	GRAB
SOLIDS, TOTAL SUSPENDED		<4.1	14		*****	<24	79		0	21 BATCHES	GR
00530 1 0 EFFLUENT GROSS VALUE		25 DAILY AV	83 DAILY MX	LBS/DY	*****	30 DAILY AV	100 DAILY MX	MG/L		ONCE/ BATCH	COMPOS
OIL AND GREASE (SOXHLET EXTR.) TOT		<1.7	<6.4		*****	<5.0	<5.0		0	21 BATCHES	GR
00550 1 0 EFFLUENT GROSS VALUE		13 DAILY AV	17 DAILY MX	LBS/DY	*****	15 DAILY AV	20 DAILY MX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.04	0.154		*****	*****	*****	*****	0	21 BATCHES	CAL
50050 1 0 EFFLUENT GROSS VALUE		***** DAILY AV	***** DAILY MX	MGD	*****	*****	*****	*****		ONCE/ BATCH	CALCTD

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

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

SHOULD ABNORMAL CONDITIONS NECESSITATE INCREASED WASTE FLOW ABOVE 0.10 MGD, AS A 7 DAY AVERAGE, DAILY MAXIMUM QUANTITY LIMITATIONS MAY BE EXCEEDED BUT SHALL NOT EXCEED 2 TIMES THE LIMITATIONS LISTED. A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.

NAME: TVA - SEQUOYAH NUCLEAR
 ADDRESS: 6411 E. BRAINEKD RD.
 CHATTANOOGA TN 37421

IN0020450
 PERMIT NUMBER

1001
 DISCHARGE NUMBER

F - FINAL LIMITS
 31M GEN BLDN TO COOL TWR BLDN

FACILITY:
 LOCATION:
 ATTN: SAM VANDEGRIFF

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	31
(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 (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00400 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	*****	SU	SEE PERMIT	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT				*****	*****	*****			
00530 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	50 DAILY AV	170 DAILY MX	LBS/DY	*****	30 DAILY AV	100 DAILY MX	MG/L	ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	NO DISCHARGE			*****	*****	*****	*****		
50050 1 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****	ONCE/ MONTH	INSTAN
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 SHOULD INTERNAL PLANT CHEMISTRY REQUIREMENTS NECESSITATE INCREASED BLOWDOWN FLOW OVER .2 MGD AS A 7 DAY AVERAGE, DAILY MAXIMUM QUANTITY LIMITATIONS MAY BE EXCEEDED BUT SHALL NOT EXCEED 4 TIMES THE LIMITATIONS LISTED.

NAME: TVA - SEQUOYAH NUCLEAR
 ADDRESS: 6411 E. BRAINERD RD.
 CHATTANOOGA TN 37421

TNO020450
 PERMIT NUMBER

1071
 DISCHARGE NUMBER

F - FINAL LIMITS
 METAL CLN WASTE AND TO COND CH

FACILITY:
 LOCATION:
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (60-61)	AVERAGE (62-63)	MAXIMUM (64-65)			
CHEM. OXYGEN DEMAND (HIGH LEVEL) (COD) 00340 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT		*	LBS/DAY	*****		*			
	PERMIT REQUIREMENT		834		*****	DAILY AV	100 DAILY MX		WEEKLY	COMP-B
PH 00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	6.4		7.9	0	12/30	GR
	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	10	19	LBS/DAY	*****	5.3	10	0	8/30	8-HR COMP
	PERMIT REQUIREMENT		250		*****	DAILY AV	30 DAILY MX		WEEKLY	COMP-B
OIL AND GREASE (SOXHLET EXTR.) TOT. 00550 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<14	<34	LBS/DAY	*****	<5.0	<5.0	0	8/30	GR
	PERMIT REQUIREMENT		125		*****	DAILY AV	15 DAILY MX		WEEKLY	GRAB
PHOSPHORUS, TOTAL (AS P) 00665 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT		*	LBS/DAY	*****		*			
	PERMIT REQUIREMENT		8.3		*****	DAILY AV	1.0 DAILY MX		WEEKLY	COMP-B
COPPER, TOTAL (AS CU) 01042 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<0.02	<0.08	LBS/DAY	*****	<0.01	<0.01	0	8/30	8-HR COMP
	PERMIT REQUIREMENT		8.3		*****	DAILY AV	1.0 DAILY MX		WEEKLY	COMP-B
IRON, TOTAL (AS FE) 01045 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.2	1.9	LBS/DAY	*****	0.63	1.0	0	8/30	8-HR COMP
	PERMIT REQUIREMENT		8.3		*****	DAILY AV	1.0 DAILY MX		WEEKLY	COMP-B

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 IN NO CASE SHALL THE QUANTITY DISCHARGED EXCEED THE QUANTITY DETERMINED BY MULTIPLYING THE VOLUME OF THE BATCH OF METAL CLEANING WASTE GENERATED BY THE CONCENTRATION. SEE PERMIT FOR ADDITIONAL SAMPLING REQUIREMENTS.
 *NO PHOSPHORUS OR ORGANIC CHEMICAL COMPOUNDS WERE USED.

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 0411 E. BRAINERD RD.
CHATTANOOGA TN 37421

TN0026450
 PERMIT NUMBER

1071
 DISCHARGE NUMBER

F - FINAL LIMITS
 METAL CLN WASTE PND TO COND CH

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.30	0.80	MSD	*****	*****	*****	*****	0	4.5** BATCHES	CALC
	PERMIT REQUIREMENT	***** DAILY AV	***** DAILY MX		*****	*****	*****	*****		UNCE/ BATCH	CALC
	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
MARTIN E. RIVERS, DIRECTOR
OF ENVIRONMENTAL QUALITY
STAFF
 TYPED OR PRINTED

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 856-6601
 DATE: 84 08 28
 PTS AREA CODE: 856-6601

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
IN NO CASE SHALL THE QUANTITY DISCHARGED EXCEED THE QUANTITY DETERMINED BY MULTIPLYING THE VOLUME OF THE BATCH OF METAL CLEANING WASTE GENERATED BY THE CONCENTRATION. SEE PERMIT FOR ADDITIONAL SAMPLING REQUIREMENTS. **ONE BATCH DISCHARGED TO LOW VOLUME WASTE POND.

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINEKD RD.
 CHATTANOOGA TN 37421

TNO026450
 PERMIT NUMBER

103 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 CONCRETE PLT SETTLING POND

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	*****	SU	SEE PERMIT	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	23	39		0	4/30 GR
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	DAILY AV	40 DAILY MX	MG/L		WEEKLY GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT.	SAMPLE MEASUREMENT	*****	*****	*****	*****		<5.0		0	1/30 GR
00550 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	SAMPLE MEASUREMENT	0.070	0.157		*****	*****	*****	*****	0	4/30 WEIR
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****		WEEKLY FLOWING
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 856-6601
 DATE 84 08 28
 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. 2040-0004 Expires 2-29-84

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

TN0026450
 PERMIT NUMBER

109
 DISCHARGE NUMBER

EMERGENCY DIESEL GENERATOR
 NO. 5 COOLING WATER EFFLUENT

FACILITY SEQUOYAH NUCLEAR PLANT
 LOCATION SODDY, TN 37379

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

NOTE: Read instructions before completing this form.

PARAMETER (2-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW		NO DISCHARGE			MGD						
		SAMPLE MEASUREMENT								1/14	P LOG
		PERMIT REQUIREMENT									
ERCW SYSTEM TOTAL		SAMPLE MEASUREMENT						MG/L			
		PERMIT REQUIREMENT								1/14	GR
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									
		SAMPLE MEASUREMENT									
		PERMIT REQUIREMENT									

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 856-6601
 DATE: 84 08 28

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

MONITORING REQUIRED ONLY DURING TESTING PERIODS. ALSO, LIMITATIONS AND MONITORING ARE NOT APPLICABLE DURING AN ACTUAL EMERGENCY SITUATION.

NAME FVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
CHATTANOOGA TN 37421

TNO026450
 PERMIT NUMBER

110 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 RECYCLED COOLING WATER FLOW

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 0001 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	NO DISCHARGE						
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	101.0	DEG.F		DAILY	GRAB
PH 0040 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****							
	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0	SU		WEEKLY	GRAB
CHLORINE, TOTAL RESIDUAL 5006 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****							
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.10	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

ADDITIONAL MONITORING FROM TN DEPT OF PUBLIC HEALTH CERTIFICATION LETTER OF JAN 31, 1983.
 SEE LETTER FOR REQUIREMENTS TO ESTABLISH RELATIONSHIP BETWEEN FISH DISTRESS/KILL AND CHLORINATION LEVEL.

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
CHATTANOUGA TN 37421

TNO026450
 PERMIT NUMBER

111 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 STP DISCHARGE

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
84	07	01	TO	84	07	31
(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 (34-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.56	0.93		*****	4.4	7.4	MG/L	0	2/30	GR
	PERMIT REQUIREMENT	3.8 30DA AVG	9.5 DAILY MX	LBS/DY	*****	30 DA AVG	40 DAILY MAX			TWICE/GRAB MONTH	
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****				
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	***** MINIMUM	***** MAXIMUM	*****	SU		SEE PERMIT	
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.3	2.4		*****	10	19		0	2/30	GR
	PERMIT REQUIREMENT	3.8 30DA AVG	5.0 DAILY MX	LBS/DY	*****	30 30DA AVG	40 45 DAILY MX	MG/L		TWICE/GRAB MONTH	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.0085	0.0085		*****	*****	*****	*****	0	22/30	GR
	PERMIT REQUIREMENT	0.015 DAILY AV	***** DAILY MX	MGD	*****	*****	*****	*****		WEEK- DAYS	FLOIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	<0.1	<0.6	3.0		2	22/30	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	2.0 DAILY AV	MG/L		WEEK- DAYS	GRAB
FECAL COLIFORM	SAMPLE MEASUREMENT				<10	<30005	60000	N/100 ML	1	2/30	GR
	PERMIT REQUIREMENT				NA	NA	1000			2/30	GR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT
NO. TN0026450 - SEQUOYAH NUCLEAR PLANT

Description of the discharge--Discharge No. 111 - Sewage treatment plant effluent. Routine samples collected on June 26 and July 5 had fecal coliform concentrations of 8,000 and 60,000 N/100 ml, respectively, exceeding the permit limit of 1,000 N/100 ml. Routine samples collected on July 13 and 24 had total residual chlorine (TRC) concentrations of 3.0 and 2.95 mg/L, respectively, exceeding the permit limit of 2.0 mg/L.

Cause and period of the noncompliances--The fecal coliform noncompliances were caused by sodium hypochlorite feed pump problems and this resulted in low chlorine residuals of less than 0.1 mg/L. Other samples collected were as follows.

<u>Date</u>	<u>Time</u>	<u>Fecal Coliform Concentration</u>
6/6	4:15 p.m.	<10 N/100 ml
7/9	2:00 p.m.	<10 N/100 ml

Thus, the maximum duration of the fecal coliform noncompliance was 34 days.

The TRC noncompliances resulted from improper pump stroke settings. Sand filters A and B were in the process of being removed from service during the week of June 25. Removing sand filters A and B from service reduces the estimated effluent flow from 14,500 gpd to 8,500 gpd. The flow was being reduced but the NaOCl pump stroke had not been adjusted and resulted in a TRC concentration greater than 2.0 mg/L. Other samples collected were as follows.

<u>Date</u>	<u>Time</u>	<u>TRC (mg/L)</u>
7/12	9:00 a.m.	<0.1
7/16	4:00 p.m.	<0.1
7/23	8:00 a.m.	<0.1
7/25	8:00 a.m.	<0.1

Thus, the maximum durations for the July 13 and 24 noncompliances were 103 and 48 hours, respectively.

Steps taken to reduce, eliminate, or prevent recurrence of the noncomplying discharge--The stroke setting of the sodium hypochlorite feed pump is being adjusted and monitored more closely to prevent future fecal coliform and TRC noncompliances.

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
CHATTANOUGA TN 37421

TNO020450
 PERMIT NUMBER

112 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 STOP DISCHARGE

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
84	07	01	84	07	31
(10-31)	(12-31)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(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			
FLOW	SAMPLE MEASUREMENT	0.027	0.051						0	8/30	WEIR
	PERMIT REQUIREMENT	0.025	NA							5/7	WEIR
BOD ₅	SAMPLE MEASUREMENT			LBS/DAY			*	MG/L			
	PERMIT REQUIREMENT	6.3	8.3			30	40			2/30	GR
SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LBS/DAY			*	MG/L			
	PERMIT REQUIREMENT	6.3	8.3			30	40			2/30	GR
TOTAL CHLORINE RESIDUAL	SAMPLE MEASUREMENT				<0.1	<0.4	1.3	MG/L	0	8/30	GR
	PERMIT REQUIREMENT						2.0			5/7	GR
FECAL COLIFORM	SAMPLE MEASUREMENT						*	N/100 ML			
	PERMIT REQUIREMENT				NA	NA	1,000			2/30	GR
SETTLABLE SOLIDS	SAMPLE MEASUREMENT						*	MG/L			
	PERMIT REQUIREMENT						1.0			2/7	GR
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 *THERE WAS NO FLOW ON DAY OF SAMPLE COLLECTION, THEREFORE, NO POUNDAGE COULD BE CALCULATED.

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
CHATTANOOGA TN 37421

IND026450
 PERMIT NUMBER

113 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 STP TO COND COOLING WATER CHAN

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT		0.003		*****		1.8		0	1/30* GR
	PERMIT REQUIREMENT	7.5 30DA AVG	10.0 DAILY MX	LBS/DY	*****	30 30DA AVG	40 DAILY MX	MG/L		TWICE/GRAB MONTH
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	SU		SEE PERMIT
00400 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT		0.092		*****		55		1	1/30* GR
	PERMIT REQUIREMENT	7.5 30DA AVG	10.0 DAILY MX	LBS/DY	*****	30 30DA AVG	45 DAILY MX	MG/L		TWICE/GRAB MONTH
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****		0	4/30 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	ML/L		WEEK-GRAB DAYS
SOLIDS, SETTLEABLE 00545 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.001	0.002		*****	*****	*****	*****	0	4/30 GR
	PERMIT REQUIREMENT	0.030 DAILY AV	***** DAILY MX	MGD	*****	*****	*****	*****	*****	WEEK-GRAB DAYS
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	1.0	1.2	1.3		0	4/30 GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	2.0 DAILY AV DAILY MX	MG/L		WEEK-GRAB DAYS
FECAL COLIFORM	SAMPLE MEASUREMENT						<10		0	1/30 GR
	PERMIT REQUIREMENT				NA	NA	1,000		0	2/30 GR

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

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

A NOTIFICATION OF NONCOMPLIANCE IS ATTACHED.
 *PLANT WAS RELOCATED JULY 7, THEREFORE, ONLY ONE SAMPLE WAS COLLECTED THIS MONTH.

Description of the discharge - Discharge No. 113 - Construction sewage treatment plant (STP) effluent to the CCW channel. Grab samples of this discharge from May 8 through July 5, 1984, indicate the following noncompliances.

<u>Date</u>	<u>Flow</u>	<u>Parameter</u>	<u>Concentration</u>	<u>Maximum Permit Limitation</u>
May 8	5,000 gpd	Fecal Coliform	>2,000 colonies/ 100 ml sample	1,000 colonies/ 100 ml sample
		Total Suspended Solids	70 mg/l	45 mg/l
May 22	4,000 gpd	Total Suspended Solids	96 mg/l	45 mg/l
June 26	2,000 gpd	Total Suspended Solids	58 mg/l	45 mg/l
July 5	200 gpd	Total Suspended Solids	55 mg/l	45 mg/l

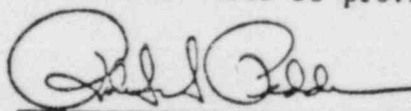
Cause and period of the noncompliance - The exact cause of the fecal coliform noncompliance is unknown. However, we suspect an increase in flow due to infiltration was not accompanied by a proportionate increase in the hypochlorite feed rate, resulting in incomplete disinfection.

Fecal coliform samples taken on April 24 and May 22 had fecal coliform counts of less than 10 and 100 colonies per 100 ml of sample, respectively. Therefore, the maximum possible duration of this noncompliance was approximately 28 days.

The total suspended solids (TSS) noncompliances were due to denitrification and rising solids. The wastewater flow to this treatment plant had been significantly reduced as construction at SQN nears completion. Flow rate on the dates of the TSS noncompliance are given in the table above. The flow rates resulted in long retention times promoting denitrification.

Grab samples collected on April 5 and June 6 contained a TSS concentration of 30 and 35 mg/l, respectively. Therefore, the possible period of the first noncompliance was 31 days. The remaining influent flow to this STP was rerouted to the new sand filter, DSN 112, on July 7. Therefore, the possible duration of the second period of noncompliance was approximately 31 days.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge - As mentioned above, this STP was taken out of service on July 7. TVA plans to relocate this STP onsite to serve a temporary office building which will accommodate approximately 165 to 200 persons relocated to the SQN site from its Chattanooga and Knoxville offices. The STP should be back in service on or about September 1, 1984. Modified permit pages to reflect plant relocation will be provided.



J. A. Nicholls

Facility Name/Address (if different)
NAME - IVA - SEQUOYAH NUCLEAR
ADDRESS 611 E. BRAINERD RD.
 CHATTANOUGA TN 37421

DISCHARGE MONITORING REPORT (DMR)
 (2-16) (17-19)

Form Approved OMB No. 2000-0015
F - FINAL LIMITS
 STP DISCHARGE TO TENN RIVER

TN0026450
 PERMIT NUMBER
 114 1
 DISCHARGE NUMBER

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

FACILITY
LOCATION
ATTN: SAM VANDEGRIFF

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-43)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
BOD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	0.14	0.15		*****	1.6	2.0		0	2/30	GR
	PERMIT REQUIREMENT	3.8	5.0	LOS/DY	*****	30	40		TWICE/GRAB	MONTH
PH	*****	*****	*****	*****	7.1	6.5		0	11/30	GR
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	0.0 MINIMUM	9.0 MAXIMUM			TWICE/GRAB	WEEK
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS VALUE	0.68	1.0		*****	7.0	8.0		0	2/30	GR
	PERMIT REQUIREMENT	3.8	5.0	LES/DY	*****	30	40		TWICE/GRAB	MONTH
SOLIDS, SETTLEABLE 00545 1 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	<0.1	<0.1		0	21/30	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	1.0			TWICE/GRAB	WEEK
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS VALUE	0.016	0.106		*****	*****	*****	*****	0	21/30	WEIR
	PERMIT REQUIREMENT	0.015	0.10	MGD	*****	*****	*****	*****	WEEK-	FLOINJ
COLIFORM, FECAL GENERAL 74055 1 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	50	50		0	2/30	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	1000			TWICE/GRAB	MONTH
TOTAL CHLORINE RESIDUAL	0.2	0.7				1.1		0	21/30	GR
	PERMIT REQUIREMENT					2.0			5/7	GR

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

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

NAME: TVA - SEQUOYAH NUCLEAR
 ADDRESS: 0411 E. BRAINEKD RD.
CHATTANOOGA TN 37421

DISCHARGE MONITORING REPORT (DMR)
 (2-16) TNO026450 (17-19) 1142
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL LIMITS
 STP DISCHARGE TO TENN RIVER

FACILITY _____
 LOCATION _____
 ATTN: SAM VANDEGRIFF

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

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) (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			
BDD, 5-DAY (20 DEG. C) 00310 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	30DA AVG	5.6	LBS/DY	*****	30	45	MG/L	TWICE/GRAB MONTH	
PH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0	SU	TWICE/GRAB WEEK	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	5.6	LBS/DY	*****	30	45	MG/L	TWICE/GRAB MONTH	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	
00545 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30DA AVG	1.0	ML/L	TWICE/GRAB WEEK	
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	.005	*****	MGD	*****	*****	*****	*****	WEEK-FLOWING DAYS	
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	#/	*****	
74055 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30DA GEO	1000	100ML	TWICE/GRAB MONTH	
DISSOLVED OXYGEN	SAMPLE MEASUREMENT	*****	*****	*****	3.4	4.2	5.1	0	21/30 GR	
*****	PERMIT REQUIREMENT	*****	*****	*****	1.0	*****	*****	*****	5/7 GR	

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

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

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: FTS 856-6601
 DATE: 84 08 28

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

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

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

Form Approved OMB No. 2000-0015

NAME TVA - SEQUOYAH NUCLEAR
 ADDRESS 6411 E. BRAINERD RD.
 CHATTANOOGA TN 37421

TN0026450
 PERMIT NUMBER

115 1
 DISCHARGE NUMBER

F - FINAL LIMITS
 VEHICLE WASH POND EFFLUENT

FACILITY
 LOCATION

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

ATTN: SAM VANDEGRIFF

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 (38-43)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.0	*****	7.0		0	1/30	GR
00400 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	SD		ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	11	16		4/30	GR
00530 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	30 DAILY AV	40 DAILY MX	MG/L		WEEKLY	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	<0.1	<0.1		4/30	GR
00545 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	.5 ML/L		WEEKLY	GRAB
OIL AND GREASE (SOXHLET EXTR.) TOT	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	<5.0	<5.0		4/30	GR
00550 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	15 DAILY AV	20 DAILY MX	MG/L	WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	SAMPLE MEASUREMENT	0.003	0.004		*****	*****	*****	*****	0	4/30	WEIR
50050 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****		WEEKLY	FLOWING
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

SEQUOYAH NUCLEAR PLANT - TN0026450
WATER TEMPERATURE DATA FOR DISCHARGE SERIAL NUMBER 101
DIFFUSER GATE TO TENNESSEE RIVER

<u>Date</u>	<u>Maximum Downstream Temperature (°F)</u>	<u>Maximum River ΔT Rise (°F)</u>	<u>Maximum Ambient Temperature (°F)</u>
05/01/84	64.2	3.15	63.8
05/02/84	64.7	2.12	63.1
05/03/84	63.1	2.39	61.5
05/04/84	62.6	1.15	61.5
05/05/84	61.8	0.94	61.1
05/06/84	61.5	0.67	61.1
05/07/84	62.0	0.88	61.5
05/08/84	61.5	*	92.1
05/09/84	60.9	*	60.4*
05/10/84	61.1	*	60.4
05/11/84	61.7	-0.13	69.4
05/12/84	61.7	0.04	71.6
05/13/84	62.4	0.00	67.2
05/14/84	63.8	0.09	64.9
05/15/84	63.8	0.09	65.6
05/16/84	64.0	3.89	78.6
05/17/84	63.5	-0.02	61.8
05/18/84	63.6	0.00	61.8
05/19/84	64.4	-0.02	62.7
05/20/84	65.4	0.04	63.8
05/21/84	0.00	0.00	0.00
05/22/84	66.5	0.00	64.4
05/23/84	67.1	0.00	64.9
05/24/84	67.4	2.93	66.2
05/25/84	67.2	6.41	65.3
05/26/84	68.0	0.00	67.2
05/27/84	69.4	0.00	70.5
05/28/84	69.9	0.00	70.7
05/29/84	69.6	0.00	68.0
05/30/84	68.9	0.00	66.7
05/31/84	68.1	0.02	66.0

*Station flooded.

SEQUOYAH NUCLEAR PLANT - IN0026450
WATER TEMPERATURE DATA FOR DISCHARGE SERIAL NUMBER 101
DIFFUSER GATE TO TENNESSEE RIVER

<u>Date</u>	<u>Maximum Downstream Temperature (°F)</u>	<u>Maximum River ΔT Rise (°F)</u>	<u>Maximum Ambient Temperature (°F)</u>
06/01/84	68.0	0.02	66.3
06/02/84	69.9	-0.02	69.0
06/03/84	70.3	0.14	72.5
06/04/84	72.6	0.05	73.9
06/05/84	71.0	0.05	72.8
06/06/84	72.3	-0.49	72.3
06/07/84	73.9	0.00	74.1
06/08/84	73.7	0.02	74.1
06/09/84	74.6	0.00	75.5
06/10/84	76.1	-2.20	77.9
06/11/84	80.2	0.07	78.8
06/12/84	0.00	0.00	0.00
06/13/84	79.3	-4.90	82.5
06/14/84	78.4	3.82	79.1
06/15/84	78.4	2.99	78.0
06/16/84	79.5	4.10	79.8
06/17/84	80.0	3.51	79.5
06/18/84	78.6	-3.82	80.7
06/19/84	82.7	-4.21	81.5
06/20/84	0.00	0.00	0.00
06/21/84	25.4	25.37	0.00
06/22/84	79.7	*	79.8
06/23/84	79.8	4.97	77.7
06/24/84	80.7	3.24	78.9
06/25/84	81.3	4.66	78.8
06/26/84	81.3	5.72	79.1
06/27/84	80.9	5.20	77.9
06/28/84	80.4	4.48	78.9
06/29/84	80.7	4.20	78.4
06/30/84	80.7	4.21	78.4

*Station flooded.

SEQUOYAH NUCLEAR PLANT - TN0026450
WATER TEMPERATURE DATA FOR DISCHARGE SERIAL NUMBER 101
DIFFUSER GATE TO TENNESSEE RIVER

<u>Date</u>	<u>Maximum Downstream Temperature (°F)</u>	<u>Maximum River ΔT Rise (°F)</u>	<u>Maximum Ambient Temperature (°F)</u>
07/01/84	80.4	*	79.5
07/02/84	*	0.00	*
07/03/84	79.8	4.46	80.0
07/04/84	80.0	3.19	78.6
07/05/84	80.2	3.87	77.9
07/06/84	79.8	3.89	78.2
07/07/84	80.4	*	77.1
07/08/84	80.4	*	79.3
07/09/84	79.7	4.01	81.1
07/10/84	80.7	*	82.0
07/11/84	80.9	*	82.2
07/12/84	82.7	4.28	83.8
07/13/84	82.9	3.44	81.8
07/14/84	*	*	*
07/15/84	*	*	*
07/16/84	82.2	3.26	80.6
07/17/84	82.0	3.74	79.8
07/18/84	81.5	4.27	79.1
07/19/84	81.1	*	79.5
07/20/84	80.9	*	80.2
07/21/84	81.1	*	80.0
07/22/84	81.8	*	79.8
07/23/84	82.5	*	80.0
07/24/84	81.5	*	79.5
07/25/84	81.6	*	80.2
07/26/84	82.7	*	80.7
07/27/84	82.2	3.74	79.7
07/28/84	82.0	*	79.5
07/29/84	80.9	4.3	78.2
07/30/84	80.0	3.7	77.0
07/31/84	79.5	4.27	76.4

*Computer malfunction.