

Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379-2000

February 12, 2007

State of Tennessee
Department of Environment and Conservation
Division of Water Pollution Control
Enforcement & Compliance Section
6<sup>th</sup> Floor, L & C Annex
401 Church Street
Nashville, Tennessee 37243-1534

Attention: Mr. Chip Hannah

Dear Mr. Hannah:

SEQUOYAH NUCLEAR PLANT - DISCHARGE MONITORING REPORT FOR JANUARY 2007

Enclosed is the January 2007 Discharge Monitoring Report for Sequoyah Nuclear Plant. Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

Stephanie A. Howard

Principal Environmental Engineer

Signatory Authority for

J. Randy Douet

Site Vice President

Sequoyah Nuclear Plant

Enclosure

cc (Enclosure):

Chattanooga Environmental Assistance Center Division of Water Pollution Control State Office Building, Suite 550 540 McCallie Avenue Chattanooga, Tennessee 37402-2013

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555



#### PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) TVA - SEQUOYAH NUCLEAR PLANT Address P.O. BOX 2000 (INTEROFFICE SB-2A) SODDY - DAISY TN 37384 TVA - SEQUOYAH NUCLEAR PLANT Facility\_

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

MONITORING PERIOD

To 07

DAY

01

(SUBR 01)

F - FINAL

Form Approved. OMB No. 2040-0004

TN0026450 PERMIT NUMBER

01

YEAR

07

From

101 G DISCHARGE NUMBER

MO

01

DAY

31

YEAR

DIFFUSER DISCHARGE **EFFLUENT** 

\*\*\* NO DISCHARGE

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

Location HAMILTON COUNTY

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	**	*****	******	12.8	04	0	31 / 31	MODELD
00010 Z 0 0	PERMIT	******	*******	****	******	******	30.5	DEG. C.		,SEE	CK REQ
INSTREAM MONITORING	REQUIREMENT						DAILY MX		158 373	PERMIT	
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	******	*****	**	*****	*****	25.2	04	0	31 / 31	RCORDR
00010 1 0 0	PERMIT	******	******	***	******	******	REPORT	DEG. C.	321	SEE	CK REQ
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EFFLUENT GROSS VALUE	REQUIREMENT						DAILY MX		25.4	UÖUS`	
PH	SAMPLE MEASUREMENT	*****	******	**	7.7	******	8.1	12	0	6 / 31	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	***	6.0 MINIMUM	******	9.0 MAXIMUM	su		WEEKLY.	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	******	4	4	19	0	1 / 31	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	***	*****	30 MO AVG	100 DAILY MX	MG/L		MONTHLY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	******	**	*****	<5	<5	19	0	1/31	GRAB
00556 1 0 0	PERMIT	12/14/44/4	******	***	******	15	20	MG/L		MONTHLY	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT					MO AVG	DAILY MX				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	1545	03	*****	*****	*****	**	0	31 / 31	RCORDR
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	REPORT DAILY MX	MGD	******	******	*****	****		CONTIN	RCORDR

		1 1 1 1	TE	LEPHONE		DATE	
J. Randy Douet	in the service of the service of the service of the posterior	Stephanie a lloward					
	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true,	Principal Environmental Engineer	423	843-6700	07	02	12
	accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE					
TYPED OR PRINTED	aniormation, including the possibility of the and imprisorment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

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

No closed mode operation. The following information is included in an attachment: 1. thermal compliance information 2. CCW data 3. veliger monitoring data

## January 2007 DMR Attachment

# **January 2007 Thermal Compliance Information**

January 1-31: The downstream temperature and temperature rate-of-change are based on measurements from Station 8, the "backup temperature monitor" located at the end of the mixing zone (TRM 483.4). The temperature rise is based on the increase in temperature from measurements at Station 14, located upstream of the plant (TRM 490.5), and measurements at Station 8 (TRM 483.4). Consistent with the permit, measurements reported for the downstream temperature and the temperature rise represent daily maximum 24-hour rolling averages; and, measurements reported of the temperature rate-of-change represent 1-hour averages. Measurements were used rather than the numerical modeling system because of relatively low river flows. TVA has learned as a result of the continuing studies performed under Part III.G. of the permit that under low flow conditions, adjustments may be needed in the formulation of numerical model to improve its accuracy. Until river flows increase or appropriate model adjustments can be made, the modeling system is considered "out of service".

## January 2007 CCW Data

CCW TRENCH				
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
01/03/2007 @ 1015	0.16 mg/L	01/06/2007 @ 1216	CAL	EPA 8015
CCW CHANNEL				
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
01/03/2007 @ 1010	<0.10 mg/L	01/06/2007 @ 1205	CAL	EPA 8015

## **January 2007 Veliger Monitoring Information**

Sample Date	Mean # of ZM/m³	% Settlers	Water Temp. (*C)	Sample Date	Mean# of Asiatic Clams/m³	Water Temp. (°C)	LOCATION	SUB LOCATION	NOTES: % Gravid Asiatic Clam	COLLECTED BY
01/05/2007	0	0	11	01/05/2007	0	11	Inplant	RCW		Dickie Adcock
01/10/2007	0	0	10	01/10/2007	0	10	Inplant	RCW		Dickie Adcock
01/17/2007	0	0	9	01/17/2007	0	9	Inplant	RCW		Dickie Adcock
01/24/2007	0	0	8	01/24/2007	0	8	Inplant	RCW		Dickie Adcock

PERMITTEE NAME/ADDRESS (Include Name TVA - SEQUOYAH NUCLI Address P.O. BOX 2000		f Different) 			ARGE ELIMINATION SY		MAJOR (SUBR 01)			orm Approved. MB No. 2040-0	
(INTEROFFICE SB-2A)			TN0	026450	·	101 G	F - FINAL				
SODDY - DAISY TN 3738	<u> </u>			T NUMBER	DISCHAR	GE NUMBER	DIFFUSER DISCHAR	GE			
Facility TVA - SEQUOYAH NUCLEAR		<del></del> .	( TEININ	TAGIAIDET	C DIOCHIAIC	OL HOMBER					
ocation HAMILTON COUNTY		<del></del>		MON	TORING PERIOD		EFFLUENT				
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ATTN: Stephanie A. Howard			From 07	01 01	To <b>07</b>	01 31	*** NO DISCHARG				
ATTN. Glephanie A. Howard	i i			<u> </u>		0. 0.	NOTE: Read instru	ctions before	e compl	eting this form	١,
PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CO	ONCENTRATION		NO.	FREQUENCY	SAMPLE
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32234 1 0 0	REQUIREMENT	*******	2	DEG	*****	*****	******	***		CONTIN	CALCTD
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NAME/TITLE PRINCIPAL EXECUTIVE O	FFICER    Certify under po	enalty of law that this doc	ument and all attachment	s were prepare	ed under my	<del></del>		TELEDH	ONE		ATE

	I Certify under penalty of law that this document and all attachments were prepared under my		TE	LEPHONE		DATE	
J. Randy Douet	property gamer and evaluate the information submitted, based on my inquiry of the person of	Stephanie a Verward		· · · · · · · · · · · · · · · · · · ·			T
Site Vice President	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true,	Principal Environmental Engineer	423	843-6700	07	02	12
	accurate, and complete. I am aware that there are significant penalties for submitting false	SIGNATURE OF PRINCIPAL EXECUTIVE					<u> </u>
TYPED OR PRINTED	information, including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

The following injections occured: 1. Biodetergent 73551 (max. calc. conc. was 0.017mg/L--limit 2.0mg/L).

PERMITTEE NAME/ADDRESS (Include Fa Name TVA - SEQUOYAH NUCLEA		Different)	NATIONAL POLLU DISC		ARGE ELIMINAT			MAJOR (SUBR 01)				n Approved B No. 2040		•.
Address P.O. BOX 2000	. — <b>— —</b> — — —		TNO	000450			404 T	F - FINAL						
(INTEROFFICE SB-2A)		- <del>-</del>		026450			101 T							
SODDY - DAISYTN 37384			PERMI	T NUMBER	DIS	CHARG	SE NUMBER	BIOMONITOR	RING FOR	OUTFA	LL 101			
Facility TVA - SEQUOYAH NUCLEAR PI	<u> ANT </u>			MACAU	TODING DE	-DIOD		EFFLUENT						
Location HAMILTON COUNTY		_ —	YEAR	MO DA	TORING PE		MO DAY							
ATTN: Stephanie A. Howard			From <b>07</b>	01 01			01 31	*** NO DIS	CHARGE ad instruction	ons before	*** complet	ina this for	n.	
PARAMETER		QUAN	TITY OR LOADING				QUALITY OR C	ONCENTRATION			<del>, , .</del>	REQUENC	SAM	PLE
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	PERMIT REQUIREMENT													
NAME/TITLE PRINCIPAL EXECUTIVE OFF	ICFR    Certify under pe	enalty of law that this doc	ument and all attachment	s were prepare	ed under my			<u> </u>	1	TELEPH	ONE		DATE	—
J. Randy Douet	direction or supe	rvision in accordance wit	h a system designed to a ion submitted. Based on a	ssure that quali	ified personnel	Hep	hanie (	4. Howai	$d \vdash$					
Site Vice President	persons who mainformation, the inaccurate, and co	nage the system, or those information submitted is , implete. I am aware that t	e persons directly respon- to the best of my knowled here are significant penal	sible for gather dge and belief, ities for submitt	ing the true, ing false	Prin	ncipal Environ	mental Enginee	r 42:	3 84	3-6700	07	02	12
TYPED OR PRINTED	information, inclu	uding the possibility of fin	e and imprisonment for kr	nowing violation	ns.						MBER	YEAR	МО	DAY

Toxicity was not sampled in January 2007.

	,							-			
PERMITTEE NAME/ADDRESS (Inv. Name TVA - SEQUOYAH N	-	Different)			GE ELIMINATION SY ITORING REPORT		MAJOR (SUBR 01)			orm Approved. MB No. 2040-	
Address P.O. BOX 2000 (INTEROFFICE SB-2A)		_	TNO	0026450		103 G	F - FINAL				
SODDY - DAISY TO Facility TVA - SEQUOYAH NUC	1 37384	_	PERM	IT NUMBER	DISCHAR	GE NUMBER	LOW VOL. WASTE	TREATME	NT PO	ND	
Location HAMILTON COUNTY			VEAC		ORING PERIOD		EFFLUENT				
ATTN: Stephanie A. Howard			From <b>07</b>	01 DAY	To 07	MO DAY 01 31	*** NO DISCHAR	GE	***		
TOTAL GROPHISMS TO TOTAL			L		J 1 1		NOTE: Read inst	ructions before	e comp	leting this form	1.
PARAMETER		QUAN	ITITY OR LOADING			QUALITY OR CO	DICENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
	CANADIE								1 -	45 / 24	0040

PARAMETER		QUAN	TITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
РН	SAMPLE MEASUREMENT	******	*****	**	7.5	*****	8.5	12	0	15 / 31	GRAB .
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	*******	**	6.0 MINIMUM	******	9.0 MAXIMUM	su		THREE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	47	68	26	******	6	7	19	0	5 / 31	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	380 MO AVG	1250 DAILY MX	LBS/DY	******	30 MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	<41	<57	26	*****	<5	<5	19	0	5/31	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	190 MO AVG	250 DAILY MX	LBS/DY	*****	15 MO AVG	20 DAILY MX	MG/L		WEEKLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	1.066	1.500	03	*****	*****	******	**	0	31 / 31	TOTALZ
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	******	*****	*******	**		SEE PERMIT	TOTALZ
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		11 1 : 01	TE	LEPHONE		DATE	
J. Randy Douet	In the state of the parameter of the par	Stephanie alloward		<del></del>			Τ
Site Vice Breeident	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true,	Principal Environmental Engineer	423	843-6700	07	02	12
	accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE					-
TYPED OR PRINTED	The state of the s	OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

PERMITTE	EE NAME/ADDRESS (Include Facility Name/Location if Different)
Name	TVA - SEQUOYAH NUCLEAR PLANT
Address_	P.O. BOX 2000
	(INTEROFFICE SB-2A)
	SODDY - DAISY TN 37384
Facility	TVA - SEQUOYAH NUCLEAR PLANT
Location	HAMILTON COUNTY

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

MAJOR (SUBR 01) Form Approved. OMB No. 2040-0004

TN0026450 PERMIT NUMBER

107 G DISCHARGE NUMBER F - FINAL

METAL CLEANING WASTE POND

MONITORING PERIOD

**EFFLUENT** 

\*\*\* NO DISCHARGE XX

YEAR MO DAY YEAR MO DAY From 07 01 To 07 01 31 01

NOTE: Read instructions before completing this form.

PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CONC	ENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM ·	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
РН	SAMPLE MEASUREMENT	*****	*****	**		*****		12			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	******	***	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
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OIL AND GREASE	SAMPLE MEASUREMENT	******	*****	**	*****	*****		19			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		******	***	*******	******	15 DAILY MX	MG/L		DAILY	GRAB
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	****	*****	**	*****	*****		19			
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COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
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IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	*****	**	*****	******		19			
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FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			03	*****	*****	*****	**			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	****		DAILY!	CALCTD

	I Certify under penalty of law that this document and all attachments were prepared under my	1-1.04	TE	LEPHONE			
	direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or	Stephanie a. Verward					
j	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true,	Principal Environmental Engineer	423	843-6700	07	02	12.
Site Vice President	accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE					
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

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

No Discharge this Period

PERMITTE	E NAME/ADDRESS (Include Facility Name/Location if Different)
Name	TVA - SEQUOYAH NUCLEAR PLANT
Address	P.O. BOX 2000
	(INTEROFFICE SB-2A)
	SODDY - DAISY TN 37384
Facility	TVA - SEQUOYAH NUCLEAR PLANT
Location	HAMILTON COUNTY

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

(SUBR 01)

Form Approved. OMB No. 2040-0004

TN0026450
PERMIT NUMBER

110 G DISCHARGE NUMBER

F - FINAL

RECYCLED COOLING WATER

MONITORING PERIOD DAY YEAR MO DAY From 07 01 01 To 07 01 31

**EFFLUENT** 

\*\*\* NO DISCHARGE XX

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	04	*****	******		04			
00010 Z 0 0 INSTREAM MONITORING	PERMIT REQUIREMENT.	*****	*******	DEG C	*****	*****	38.3 DAILY MX	DEG C		DAILY	GRAB-4
PH	SAMPLE MEASUREMENT	****	*****	**	Section 1997 Section 1997	*****		12			
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SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	******		19			
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OIL AND GREASE	SAMPLE MEASUREMENT	******	*****	**	*****	******		19			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	***	*****	*****	15 DAILY MX	MG/L		DAILY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	N. A. C.		03	*****	*****	*****	**			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT DAILY MX	MGD	*****	*******	******	****		DAILY.	CALCTD
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	******	*****	**	*****	*****	2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	19			
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		*******	****	******	******	0.10 DAILY MX	MG/L		WEEKLY	GRAB-4
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

		I Certify under penalty of law that this document and all attachments were prepared under my	11. 1	0.11	TE	LEPHONE		DATE	
•	J. Randy Douet	property games and evaluate the internation committee; based offilly inquity of the person of	stephanie	a. Heward					
	Site Vice President	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true,	Principal Enviro	nmental Engineer	423	843-6700	07	02	12
ļ		accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		RINCIPAL EXECUTIVE					
Ì	TYPED OR PRINTED	and the state of the possionity of the data imprisonment for knowing violations.	OFFICER OR AU	ITHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

No Discharge this Period

PERMITTE: Name	E NAME/ADDRESS (Include Facility Name/Location if Different) TVA - SEQUOYAH NUCLEAR PLANT
Address	P.O. BOX 2000
	(INTEROFFICE SB-2A)
	SODDY - DAISY TN 37384
Facility	TVA - SEQUOYAH NUCLEAR PLANT
Location	HAMILTON COUNTY
	•

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

MAJOR (SUBR 01) Form Approved.

OMB No. 2040-0004

TN0026450
PERMIT NUMBER

110 T DISCHARGE NUMBER

RECYCLED COOLING WATER EFFLUENT

F - FINAL

\*\*\* NO DISCHARGE XX \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					FREQUENCY OF	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
IC25 STATRE 7DAY CHR CERIODAPHNIA	SAMPLE MEASUREMENT	*****	*****	**		*****	*****	23			
TRP3B 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT.	******	******	***	45.2 MINIMUM	*******	******	PERCENT		SEMI	COMPOS
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	*****	**	70	******	******	23			
TRP6C 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	***	45.2 MINIMUM	*****	******	PERCENT		SEMI ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT							97 97 98 98			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

	It also Dalas I	TELEPHONE		DATE	
properly gather and evaluate the information submitted. Based on my inquiry of the person or	stephanie a. Unicaid				
persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true,	Principal Environmental Engineer	423 843-6700	07	02	12
accurate, and complete. I am aware that there are significant penalties for submitting false	SIGNATURE OF PRINCIPAL EXECUTIVE		_		<u> </u>
information, including the possibility of three and impresonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA NUMBER CODE	YEAR	МО	DAY
.F	direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true,	direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false  SIGNATURE OF PRINCIPAL EXECUTIVE	direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.    Attphante U. Unusual Principal Environmental Engineer   423   843-6700   843	direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.    Signature U. Uoucu	direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.    Attribute U.   Low

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

No Discharge this Period

					DISCHARGE MONITORING REPORT (DMR)					ESI         MAJOR         Form App           (SUBR 01)         OMB No.				
Address P.O. BOX 2000		- <del></del>	TNO	006450			116 C	F - FINAL						
(INTEROFFICE SB-2A)				026450			116 G							
SODDY - DAISY TN 37384  Facility TVA - SEQUOYAH NUCLEAR F			PERMI	NUMBER	DIS	CHARC	SE NUMBER	BACKWASH						
ocation HAMILTON COUNTY			YEAR	MO DA	TORING P		MO DAY	EFFLUENT						
ATTN: Stephanie A. Howard			From <b>07</b>	01 01			01 31	*** NO DISCHA	RGE	***				
Trit. Stephanie 7. Floward			<u> </u>	<u> </u>			<u> </u>	NOTE: Read ins	structions	before comp	leting this fo	m.		
PARAMETER		QUAN	TITY OR LOADING			•	QUALITY OR CO	NCENTRATION		NO.	FREQUENC		IPLE	
		AVERAGE	MAXIMUM	UNITS	MINIMU	JM	AVERAGE	MAXIMUM	UN	ITS EX	ANALYSIS	TY	/PE	
DEBRIS, FLOATING (SEVERITY)	SAMPLE MEASUREMENT	*****	******	**	*****	**	*****	0	9	Α 0	1 / 31	VIS	UAL	
01345 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	*****		*****	REPORT	PAS FAI	10 277	SEE PERMIT	Till och New	UAL	
OIL AND GREASE VISUAL	SAMPLE	*****	<u> </u>		*****		*****	MOTOTAL	30	<u> </u>		<del></del>		
JIL AND GREASE VISUAL	MEASUREMENT	******	0	94			*****	******	*	• 0	1/31	VIS	SUAL	
34066 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	REPORT	YES=1 NO=0	*****	**	******	********	**	**	SEE PERMIT	1.19263. 6	UAL	
	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT												f 5	
	SAMPLE MEASUREMENT													
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	SAMPLE MEASUREMENT													
	PERMIT REQUIREMENT			·										
	SAMPLE MEASUREMENT													
	PERMITA REQUIREMENT									1.00		1 1 PXX		
	SAMPLE MEASUREMENT				i									
	PERMIT REQUIREMENT								Š					
NAME/TITLE PRINCIPAL EXECUTIVE OF						44		h. Hervard	TE	LEPHONE		DATE		
J. Randy Douet	properly gather	and evaluate the informat	h a system designed to a ion submitted. Based on i	my inquiry of th	e person or									
Site Vice President	information, the	information submitted is,	e persons directly respon- to the best of my knowled here are significant penal	dge and belief,	true,			mental Engineer	423	843-670	0 07	02	12	
TYPED OR PRINTED			e and imprisonment for kr					HORIZED AGENT	AREA	NUMBER	R YEAR	МО	DAY	
COMMENTS AND EXPLANATION OF ANY	VIOLATIONS (5 :								CODE				لــــا	
Operations performs visual inspections				hes.										

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

Page 1 of 1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  Name TVA - SEQUOYAH NUCLEAR PLANT			NATIONAL POLLU	TANT DISCH	MAJOR Form Approved. (SUBR 01) OMB No. 2040-00						
Address P.O. BOX 2000 (INTEROFFICE SB-2A) SODDY - DAISY TN 37384 TO STOLOWN THE FOR BUILDING FAR BUILDING	LANT	  		TN0026450 117 G F - FINAL PERMIT NUMBER DISCHARGE NUMBER BACKWASH							
Facility TVA - SEQUOYAH NUCLEAR PL Location HAMILTON COUNTY	LANI		YEAR	MONI MO DA	ITORING PERIOD	MO DAY	EFFLUENT				
ATTN: Stephanie A. Howard			From 07	01 0		01 31	*** NO DISCHARG  NOTE: Read instru	· · · · · · · · · · · · · · · · · · ·	*** e compl	eting this form	1
PARAMETER		QUAN	QUANTITY OR LOADING			QUALITY OR CO	DICENTRATION	onone polor	NO.	FREQUENCY	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	2
DEBRIS, FLOATING (SEVERITY)	SAMPLE MEASUREMENT	******	******	**	******	*****	0	9A	0	1/31	VISUAL
01345 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT:	*******	******	****	******	******	REPORT MO TOTAL	PASS=0 FAIL=1		SEE PERMIT	VISUAL
OIL AND GREASE VISUAL	SAMPLE MEASUREMENT	*****	0 .	94	*****	******	*****	**	0	1 / 31	VISUAL
84066 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT	YES=1 NO=0	****	******	**************************************	****		SEE PERMIT	VISUAL
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT								10000000000000000000000000000000000000		
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
·	PERMIT REQUIREMENT										

	r Certify under penalty of law that this document and all attachments were prepared under my	$  0 \rangle   1 \rangle \langle 0 \rangle \langle 0 \rangle   1 $	TE	LEPHONE		DATE	
J. Randy Douet		Stephanie a. Coward			1		
Site Vice President	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false	Principal Environmental Engineer	423	843-6700	07	02	12
	information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DA'

Operations performs visual inspections for floating debris and oil and grease during all backwashes.

PERMITTE	E NAME/ADDRESS (Include Facility Name/Location if Different)
Name	TVA - SEQUOYAH NUCLEAR PLANT
Address	P.O. BOX 2000
	(INTEROFFICE SB-2A)
	SODDY - DAISY TN 37384
Facility	TVA - SEQUOYAH NUCLEAR PLANT
Location	HAMILTON COUNTY

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

MAJOR (SUBR 01) F - FINAL

Form Approved. OMB No. 2040-0004

TN0026450 PERMIT NUMBER

From

118 G DISCHARGE NUMBER

YEAR MO

WASTEWATER & STORM WATER MONITORING PERIOD
YEAR MO DAY YEAR

DAY

**EFFLUENT** 

\*\*\* NO DISCHARGE XX

07 01 01 To | **07** 01 31 NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	******	******	**		*****	*****	19			
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	2.0 DAILY MN	*****	*****	MG/L		TWICE/	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	******	**	******	*****		19	1887	<u> </u>	(584 a) (1)
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT		*****	***	******	******	100 DAILY MX	MG/L		TWICE/ WEEK	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	*****	**	*****	*****		25		1	
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	***	****	*****	1.0 DAILY MX	ML/L		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			03	******	*****	*****	**			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT DAILY MX	MGD	****	******	*****	*		ONCE/ BATCH	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT								4 X 100		
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MÉASUREMENT										
	PERMIT. REQUIREMENT										

			4-1 - 0 - 1	TELEPHONE		DATE		
	J. Randy Douet		stephanie U. Howard					
	Site Vice President	persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Principal Environmental Engineer	423	843-6700	07	02	12
ĺ			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	ADEA	AUIMOED	VEAD	MO	DAY
	TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY

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

During this reporting period, there has been no flow from the Dredge Pond other than that resulting from rainfall.