

Tennessee Valley Authority, Post Office Box 2000. Soddy-Daisy, Tennessee 37384-2000

December 13, 2007

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

Dear Mr. Patrick Cromer:

SEQUOYAH NUCLEAR PLANT - DISCHARGE MONITORING REPORT FOR NOVEMBER 2007

Enclosed is the November 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

Timothy P. Cleary

Site Vice President

Seguoyah 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

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PERMITTEE NAME/ADDRESS (Include F.		f Different)			ARGE ELIMINATION S		MAJOR			orm Approved	
			5.0	0,1,1,10,2,1,1			(SUBR 01)		O	VIB NO. 2040-	.0004
Address P.O. BOX 2000 (INTEROFFICE SB-2A)		 .	TNO	0026450		101 G	F - FINAL				
SODDY - DAISY TN 37384			PERM	IT NUMBER	DISCHAR	GE NUMBER	DIFFUSER DISCHAI	RGE			
Facility TVA - SEQUOYAH NUCLEAR F	PLANT						FFELLENIT				
Location HAMILTON COUNTY				MON	ITORING PERIOD		EFFLUENT				
			YEAR	MO DA		MO DAY	*** NO DISCHARO	GE	***		
ATTN: Stephanie A. Howard			From 07	11 01	1 To 07	11 30	NOTE: Read instru	uctions before	e compl	eting this form	n,
PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CO	NCENTRATION		NO. EX	FREQUENCY	SAMPLE TYPE
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REPORT

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SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	7	7	19	0	1 / 30	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	*****	******	**	*****	<6	<6	19	0	1/30	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	*****	***	*****	15 MO AVG	20 DAILY MX	MG/L		MONTHLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I Certify under penalty of law that this document and all attachments were prepared under my	0L 1 0-11	TE	LEPHONE	1	DATE	
Timothy P. Cleary	persons who manage the system, or those persons directly responsible for gathering the	Stephance Or Hervard Principal Environmental Engineer	423	843-6700	07	12	13
Site Vice President	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		,	0,		13
TYPED OR PRINTED	information, including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

No closed mode operation. The following information is included in an attachment: CCW data

FLOW, IN CONDUIT OR THRU

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TREATMENT PLANT

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SAMPLE

MEASUREMENT

PERMIT

REQUIREMENT

PERMIT

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SEE

REPORT

DEG. C.

DMR Attachment

CCW Data

CCW TRENCH				
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
11/21/07 @ 1030	0.39 mg/L	11/27/07 @ 1017	JRE	TN EPA 8015
CCW CHANNEL		<u> </u>		
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
11/21/07 @ 1025	<0.10 mg/L	11/27/07 @ 1027	JRE	TN EPA 8015

PERMITTEE NAME/ADDRESS (Include Fa		f Different)			HARGE ELIMINATION ONITORING REPO	N SYSTEM (NPDES) ORT (DMR)	MAJOR (SUBR 01)			orm Approved MB No. 2040			
Address P.O. BOX 2000 (INTEROFFICE SB-2A) SODDY - DAISY TN 37384			The same of the sa	026450 T NUMBER	R DISCH	101 G IARGE NUMBER	F - FINAL DIFFUSER DISCHA	ARGE					
Facility TVA - SEQUOYAH NUCLEAR P Location HAMILTON COUNTY			YEAR			R MO DAY	EFFLUENT *** NO DISCHAR	RGE	***	completing this form. NO. FREQUENCY SA OF ANALYSIS 0 29 / 30 C WEEK- CA DAYS 0 30 / 30 CA			
ATTN: Stephanie A. Howard				71 0	1001			tructions bef					
PARAMETER		QUAN	NTITY OR LOADING			QUALITY OR CO	ONCENTRATION			OF	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	-	ANALISIS			
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	******	*****	**	*****	0.015	0.032	19	0	29 / 30	GRAB		
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NAME/TITLE PRINCIPAL EXECUTIVE OFFI	direction or super	rvision in accordance with	h a system designed to as:	sure that qualit	ified personnel	Ephanie a	Howard -	TELEPI	HONE	D	ATE		
Timothy P. Cleary Site Vice President	persons who man information, the in	hage the system; or those information submitted is , t	on submitted. Based on me persons directly responsi- to the best of my knowledg here are significant penalti-	ible for gatherii ge and belief, t	ing the true,	Principal Environm	nental Engineer	423 84	43-6700	07	12 13		
TYPED OR PRINTED			e and imprisonment for kno			GNATURE OF PRINC OFFICER OR AUTH	—	AREA N	IUMBER	YEAR I	MO DAY		

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

The following injections occured: 1. Biodetergent 73551 (max. calc. conc. was 0.027mg/L--limit 2.0mg/L) 2. MSW-101 (max. calc. conc. was 0.014mg/L--limit 0.2mg/L) 3. H-150M (max. calc. conc. was 0.047mg/L--limit 0.050mg/L) 4. H-150M (low detection level analytical method was <0.020mg/L--limit 0.050mg/L)

PERMITTEE NAME/ADDRESS (Include Fa		f Different)		YSTEM (NPDES) T (DMR)	MAJOR (SUBR 01)			orm Approve MB No. 2040			
(INTEROFFICE SB-2A)		- -	TN0	026450		101 T	F - FINAL				-
SODDY - DAISY TN 37384	LANT	 .;	PERMI	T NUMBER	DISCHAF	RGE NUMBER	BIOMONITORING	FOR OUTFA	LL 101	1	
Facility TVA - SEQUOYAH NUCLEAR PL Location HAMILTON COUNTY			VEAD		ITORING PERIOD		EFFLUENT				
ATTN: Stephanie A. Howard		•	From 07	MO DA		MO DAY 11 30	*** NO DISCHAI	·	***		
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Timothy P. Cleary Site Vice President	properly gather a persons who man information, the in	nd evaluate the information rage the system, or those aformation submitted is , t	on submitted. Based on m persons directly respons to the best of my knowled	ny inquiry of the ible for gatheri ge and belief, i	ng the Pri	incipal Environm		423 843	3-6700	07	12 13
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NATIONAL POLLUTANT DISCHARGE ELIMINATION, SYSTEM (NPDES)

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

Page 1 of 1

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Page 1 of 1

EPA Form 3320-1 (REV 3/99)

. Previous editions may be used

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Address P.O. BOX 2000			TNO	026450		107 G	F - FINAL				
(INTEROFFICE SB-2A) SODDY - DAISY TN 37384			<u> </u>		DICOUAL			MACTE DO	ONID		•
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ocation HAMILTON COUNTY			ļ,		ITORING PERIOR		EFFLUENT				
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Timothy P. Cleary	direction or supe properly gather a persons who mar	rvision in accordance with nd evaluate the informati nage the system, or those	n a system designed to as on submitted. Based on n persons directly respons	ssure that quali ny inquiry of the sible for gatheri	fied personnel se person or ng the	phance ()	Mary Card				
Site Vice President	information, the in accurate, and con	nformation submitted is , nplete. I am aware that the ding the possibility of fine	to the best of my knowled nere are significant penalt	lge and belief, t lies for submitti	rue, ng false SIGN	IATURE OF PRINCI FFICER OR AUTHO	PAL EXECUTIVE	.	3-6700 JMBER		12 13 MO DAY
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAJOR

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

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

No Discharge this Period

TYPED OR PRINTED

Form Approved.

Name TVA - SEQUOYAH NUCLEA	AR PLANT		DIS	CHARGE IVI	UNITURING REPOR	(DIVIR)	(SUBR 01)		C	MB No. 2040	-0004
Address P.O. BOX 2000			TNC	026450		110 G	F - FINAL				٠.
(INTEROFFICE SB-2A)					5.001145				TED		4
SODDY - DAISY TN 37384 Facility TVA - SEQUOYAH NUCLEAR P		- ; - .	LPERMI	T NUMBE	R DISCHAF	RGE NUMBER	RECYCLED COC	LING WA	NIER		
Location HAMILTON COUNTY				MON	ITORING PERIOD		EFFLUENT				
2004.0.1	 		YEAR	MO DA			*** *** ***	-a- [XX ***		
ATTN: Stephanie A. Howard			From 07	11 0	1 To 07	11 30	*** NO DISCHA	ARGE [XX ***		
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Timothy P. Cleary			h a system designed to as ion submitted. Based on r		ified personnel	hanie U.	broard				
Timothy F. Cleary	persons who man	nage the system, or those	e persons directly respons	ible for gather	ing the Pr	incipal Environme		400	0.40.6700		40 40
Site Vice President			to the best of my knowled here are significant penalt		true,	IATURE OF PRINCI		423	843-6700	07	12 13
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COMMENTS AND EXPLANATION OF ANY V	/IOLATIONS (Refere	nce all attachments h	ere)		,				•		
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EPA Form 3320-1 (REV 3/99) Previ	ious editions may be u	sed	•						F	Page 1 of 1	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAJOR

DISCHARGE MONITORING REPORT (DMR)

Form Approved.

OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
Name TVA - SEQUOYAH NUCLEAR PLANT

PERMITTEE NAME/ADDRESS (Include Fa		f Different)			IARGE ELIMINATION S DNITORING REPOR		MAJOR (SUBR 01)			orm Approve MB No. 2040		
Address P.O. BOX 2000			TNO	000450		140 T	F - FINAL					
(INTEROFFICE SB-2A)				026450	- I DISCULATI	110 T		LINIC WATER				
SODDY - DAISY TN 37384 Facility TVA - SEQUOYAH NUCLEAR P		- 	PERMI	T NUMBER		RGE NUMBER	RECYCLED COO	LING WATER	(
Location HAMILTON COUNTY			YEAR	MON MO DA	ITORING PERIOD		EFFLUENT	,				
ATTN: Stephanie A. Howard			From 07	11 0		11 30	*** NO DISCHA	RGE XX	***			
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Timothy P. Cleary Site Vice President	on submitted. Based on m persons directly responsi to the best of my knowleds	y inquiry of the ble for gatheri ge and belief, t	ng the Pr	harce C. L incipal Environm	ental Engineer	423 84	3-6700	07	12 13	;		
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TYPED OR PRINTED COMMENTS AND EXPLANATION OF ANY V	NTED ION OF ANY VIOLATIONS (Reference all attachments here)						CODE			<u> </u>		

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAJOR

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No Discharge this Period

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PERMITTEE NAME/ADDRESS (Include R Name TVA - SEQUOYAH NUCLE Address P.O. BOX 2000		if Different) —		CHARGE M			r <i>(DMR</i>)	MAJOR (SUBR 01)			orm Approv MB No. 204	
(INTEROFFICE SB-2A) SODDY - DAISY TN 3738				026450 T NUMBE	R [DISCHAR	116 G GE NUMBER	F - FINAL BACKWASH				
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

MAJOR

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

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