

Timothy P. ClearySite Vice President
Sequoyah Nuclear Plant

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

October 13, 2009

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 SEPTEMBER 2009

Enclosed is the September 2009 Discharge Monitoring Report for Sequoyah Nuclear Plant. If you have any questions or need additional information, please contact Ann Hurt at (423) 843-6714 or Stephanie Howard at (423) 843-6700 of Sequoyah's Environmental staff.

Sincerely

Timothy P. Cleary
Site Vice President
Sequoyah Nuclear Plant

Enclosure cc (Enclosure):

Chattanooga Environmental Field Office 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

> ILE 25 MRR

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

ATTN: Stephanie A. Howard

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

DAY

01

MONITORING PERIOD

To 09

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

TN0026450 PERMIT NUMBER

09

YEAR MO

09

From

101 G DISCHARGE NUMBER

YEAR MO DAY

09

30

F - FINAL DIFFUSER DISCHARGE

EFFLUENT

*** NO DISCHARGE

NOTE: Read instructions before completing this form.

PARAMETER		QUAN	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				FREQUENCY OF	SAMPLE TYPE
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	Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel	The Cleary	TEI	LEPHONE.		DATE	
Timothy P. Cleary	properly gather and evaluate the information submitted. Based on my inquiry of the person or	melly) they					
	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,	Sequoyah Site Vice/President	423	843-7001	09	10	07
	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			ļ	 	
TYPED OR PRINTED	microtation, including the possibility of the data imprisoration knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DA

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

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

DMR Attachment

CCW Data

CCW TRENCH				
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
	No water would come out of the	e pump. No sample could be	obtained.	
CCW CHANNEL				
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
09/08/09 @ 1305	<0.10 mg/l	09/11/09 @ 0014	CLS	EPH
•				

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT Address P.O. BOX 2000				ARGE ELIMINATION SY INITORING REPORT		MAJOR (SUBR 01)		Form Approved. OMB No. 2040-0004			
Address P.O. BOX 2000 (INTEROFFICE SB-2A-SQN) SODDY - DAISY, TN 37384				026450 r number	DISCHAR	101 G	F - FINAL DIFFUSER DISCHAF	RGE		-	
Facility TVA - SEQUOYAH NUCLEAR P	LANT	- <u>-</u>	PERIMI				EFFLUENT	·			
Location HAMILTON COUNTY ATTN: Stephanie A. Howard			YEAR	MONI MO DA			*** NO DISCHARG	SE	***		
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Timothy P. Cleary	direction or sup properly gather persons who m	perially or law that this do- pervision in accordance wi and evaluate the informa- panage the system, or those information submitted is	th a system designed to a tion submitted. Based on se persons directly respon	essure that qua my inquiry of the sible for gathe	lified personnel he person or iring the	Sequoyal Site	Vice President		3-7001	09	10 07
Sequovah Site Vice President	accurate and o	complete I am aware that	there are significant nena	uge and bellet	tino false	MATURE OF DRIN	ICIDAL EXECUTIVE			"	-

The following injections occured: 1. MSW 101 (max. calc. conc. was 0.033mg/L--limit 0.2mg/L) 2. Floguard MS6236 (max. calc. conc. was 0.034mg/L--limit 0.2mg/L) 3. H-150M (max. calc. conc. was 0.04mg/L--limit 0.050mg/L) 4. H-150M (low detection level analytical method was <0.050mg/L--limit 0.050mg/L)

SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

AREA

CODE

NUMBER

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.

TYPED OR PRINTED

YEAR

Name TVA - SEQUOYAH NUCLEAR I	. ,	DISC	CHARGE MO	DRI (DIVIR)	(SUBR 01)				OMB No. 2040-0004				
Address P.O. BOX 2000 (INTEROFFICE SB-2A-SQN)		-	TN0	026450		101 Q	F - FINAL						
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Timothy P. Cleary	direction or supe	ervision in accordance wi	th a system designed to a tion submitted. Based on	assure that qua	lified personnel	Timothy?	Cleary,	,		+			
	persons who ma information, the	mage the system, or thos information submitted is	e persons directly respor , to the best of my knowle	nsible for gather edge and belief,	ring the true,	Sequoyah Site		423 8	43-7001	09	10	07 .	
Sequoyah Site Vice President TYPED OR PRINTED	accurate, and co	omplete. I am aware thát	there are significant pena ne and imprisonment for k	alties for submit	ting false	OFFICER OF AUT		AREA I	NUMBER	YEAR	MO D	ΑY	
COMMENTS AND EXPLANATION OF ANY VIC Boron was sampled on July 1, 2009.	LATIONS (Refer	ence all attachments i	here)								:		

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

TVA CECHOVALIANIO EA	RMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) ne TVA - SEQUOYAH NUCLEAR PLANT				ARGÉ ELIMINATION S INITORING REPOR		MAJOR			OMD N. COMO			
Address P.O. BOX 2000	TEAN!	 .					(SUBR 01)		. ON	AB NO. 2040	1-0004	•	
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	direction or sup-	ervision in accordance wi	th a system designed to a	assure that qua	lified personnel	Tung The P. t	leary	,			J. 11 L	 - 	
Timothy P. Cleary			tion submitted. Based on se persons directly respon			Sequoyal Site							
Sequoyah Site Vice President	information, the accurate, and o	information submitted is omplete. I am aware that	, to the best of my knowle there are significant pena	edge and belief, alties for submit	true,	NATURE OF PRI	NCIPAL EXECUTIVE		\$3-7001 		10	07	
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COMMENTS AND EXPLANATION OF ANY	VIOLATIONS (Refer	rence all attachments	here)										

EPA Form 3320-1 (REV 3/99)

Toxicity was not sampled in September 2009.

Previous editions may be used

Page 1 of 1

Name TVA - SEQUOYAH NUCLEA					ARGE ELIMINATION SYNNITORING REPORT		MAJOR (SUBR 01)			Form Approved. OMB No. 2040-0004			
Address P.O. BOX 2000	. 	· ` .	TNO	026450		103 G	F - FINAL	•					
(INTEROFFICE SB-2A-SQN)		-						************************************					
SODDY - DAISY, TN 37384	·	· ·	PERMI	NUMBER	DISCHAR	GE NUMBER	LOW VOL. WASTE	TREATME	MT-POI	1D -			
Facility TVA - SEQUOYAH NUCLEAR PL	<u> </u>			MONI	TORING PERIOD		EFFLUENT	٠		•			
Location HAMILTON COUNTY	. — — — — —	- 	YEAR	MO DA		MO DAY		· ·		1			
ATTN: Stephanie A. Howard	•		From 09	09 01		09 30	*** NO DISCHARO NOTE: Read instr		*** e comple	eting this for	m.		
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NAME/TITLE PRINCIPAL EXECUTIVE OFF	ICER Certify under po	enalty of law that this doo	cument and all attachmen	ts were prepare	ed under my	- Th 0	20	TELEPH	IONE		DATE	·	
Timothy P. Cleary	direction or supe properly gather, persons who ma	and evaluate the informa inage the system, or thos	th a system designed to a tion submitted. Based on se persons directly respon , to the best of my knowle	my inquiry of the	ring the	sequoyah site	line Prodident		3-7001	. 09	10	07	
Sequoyah Site Vice President	accurate, and co	implete. I am aware that	there are significant pena ne and imprisonment for k	Ities for submit	ting false SIGN	NATURE OF PRIN	CIPAL EXECUTIVE	1	UMBER				

The Turbine Building Sump (TBS) was discharged directly to the Yard Pond (YP) September 20-24, 2009.

TYPED OR PRINTED

YEAR MO

AREA CODE

NUMBER

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Differe	nt)	
Name TVA - SEQUOYAH NUCLEAR PLANT		
Address P.O. BOX 2000		
(INTEROFFICE SB-2A-SQN)	. }	
SODDY - DAISY, TN 37384		
Facility TVA - SEQUOYAH NUCLEAR PLANT		
Location HAMILTON COUNTY		
ATTN: Stephanie A. Howard		•

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MAJOR (SUBR 01) Form Approved.

OMB No. 2040-0004

TN0026450	
PERMIT NUMBER	DISCHARG

107 G

F - FINAL
METAL CLEANING WASTE POND

EFFLUENT

*** NO DISCHARGE XX

NOTE: Read instructions before completing this form FREQUENCY PARAMETER QUANTITY OR LOADING QUALITY OR CONCENTRATION NO. SAMPLE OF TYPE **ANALYSIS AVERAGE** MAXIMUM UNITS MAXIMUM UNITS MINIMUM **AVERAGE** PH SAMPLE ***** ***** ***** ** 12 MEASUREMENT. 00400 1 0 ***** 9.0 DAILY GRAB 6.0 REQUIREMENT EFFLUENT GROSS VALUE MAXIMUM MINIMUM SOLIDS, TOTAL SUSPENDED SAMPLE 19 MEASUREMENT COMPOS 00530 1 0 0 PERMIT **** ***** 30 MG/L DAILY REQUIREMENT EFFLUENT GROSS VALUE DAILY MX OIL AND GREASE SAMPLE ****** ****** 19 **MEASUREMENT** 00556 1 0 0 PERMIT ***** ***** MG/L DAILY GRAB 15 REQUIREMENT EFFLUENT GROSS VALUE DAILY MX PHOSPHORUS, TOTAL (AS P) SAMPLE ***** 19 MEASUREMENT MG/L DAILY COMPOS PERMIT 00665 1 0 1.0 REQUIREMENT EFFLUENT GROSS VALUE DAILY MX COPPER, TOTAL (AS CU) SAMPLE 19 MEASUREMENT 01042 1 0 0 PERMIT ***** ****** **** ***** ****** 1.0 MG/L DAILY COMPOS REQUIREMENT EFFLUENT GROSS VALUE DAILY MX SAMPLE IRON, TOTAL (AS FE) ****** ** 19 MEASUREMENT PERMIT . 01045 1 0 0 MG/L DAILY COMPOS 1.0 REQUIREMENT EFFLUENT GROSS VALUE DAILY MX FLOW, IN CONDUIT OR THRU SAMPLE ****** 03 MEASUREMENT TREATMENT PLANT 50050 1 0 0 ... PERMIT ***** DAILY CALCTD REPORT MGD ****** REPORT REQUIREMENT EFFLUENT GROSS VALUE MO AVG DAILY MX

	I Certify under penalty of law that this document and all attachments were prepared under my	STROM.	TE	LEPHONE		DATE	
Timothy P. Cleary	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	Timethy! thereby		7			
Sogueyah Sita Vica Breaident	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,	Sequoyah Site Vice President	423	843-7001	09	10	07
	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	ADEA		\(\(\text{F} \) \(\text{F} \)		DAY
. TYPED OR PRINTED	/	OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

No Discharge this Period

ERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) ame TVA - SEQUOYAH NUCLEAR PLANT ddress P.O. BOX 2000					ARGE ELIMINATION SY NITORING REPORT		MAJOR (SUBR 01)	•	Form Approved. OMB No. 2040-0004			
(INTEROFFICE SB-2A-SQN) SODDY - DAISY, TN 37384				026450 r NUMBER	DISCHAR	110 G. GE NUMBER	F - FINAL RECYCLED COOL	ING WATER	₹ .			
Facility TVA - SEQUOYAH NUCLEAR PI	LANT				TORING PERIOD		EFFLUENT					
ATTN: Stephanie A. Howard		·	From 09	MO DAY	YEAR		*** NO DISCHARGE XX NOTE: Read instructions before			etina this for	m ·	
PARAMETER		QUAN	TITY OR LOADING		· · · · · · · · · · · · · · · · · · ·	QUALITY OR CO	DNCENTRATION		NO.	FREQUENC	YSAM	PLE
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NAME/TITLE PRINCIPAL EXECUTIVE OFF			ument and all attachment h a system designed to a			- H 0	00.	TELEPH	ONE		DATE	
Timothy P. Cleary Sequoyah Site Vice President	properly gather ar persons who man- information, the in	nd evaluate the informati age the system, or those formation submitted is,	ion submitted. Based on re e persons directly respons to the best of my knowled	my inquiry of th sible for gather dge and belief,	e person or ing the true,	Sequoyah Site		423 84	3-7001	09	10	. 07
ocquoyan one vice riesident			here are significant penal e and imprisonment for kr				CIPAL EXECUTIVE,	AREA NI	IMPED	VEAR	MO	DAY

No Discharge this Period

TYPED OR PRINTED

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AREA CODE

NUMBER

OFFICER OR AUTHORIZED AGENT

PERMITTEE NAME/ADDRESS (Include Fac Name TVA - SEQUOYAH NUCLEA			ARGE ELIMINATION	SYSTEM (NPDES) ORT (DMR)	MAJOR (SUBR 01)	•		rm Approved IB No. 2040				
Address P.O. BOX 2000 (INTEROFFICE SB-2A-SQN)			TN0	. F-FINAL								
SODDY - DAISY, TN: 37384	TN0026450 110 T F - FINAL PERMIT NUMBER DISCHARGE NUMBER RECYCLED COOLING WATER											
Facility TVA - SEQUOYAH NUCLEAR PL	ANT						EFFLUENT		•			
Location HAMILTON COUNTY			VEAD		TORING PERI		EFFLUENT			÷		,
	* .		_				*** NO DISCHA	RGE XX	***			
ATTN: Stephanie A. Howard	· •	From 09	09 01	To 09	09 30	NOTE: Read ins	tructions before	e comple	tina this forn	rm.		
PARAMETER		QUAN	NTITY OR LOADING			QUALITY OR C	ONCENTRATION	,		FREQUENCY		٦
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NAME/TITLE PRINCIPAL EXECUTIVE OFF					- TH P. F	Vaci	TELEPH	PHONE		DATE		
Timothy P. Cleary direction or supervision in accordance properly gather and evaluate the inform			ition submitted. Based on	my inquiry of th	e person or	imothy!	y .					
information, the information submitted		information submitted is	se persons directly responsible for gathering, to the best of my knowledge and belief, true there are significant penalties for submitting		ue,			423 84	3-7001	09	10 07	.
TYPED OR PRINTED	information, incl	uding the possibility of fi	ne and imprisonment for k	nowing violation	ns.	OFFICER OR AUT		AREA NI	JMBER	< YEAR	MO DA	Y
COMMENTS AND EXPLANATION OF ANY	VIOLATIONS (Refer	ence all attachments	here)						*****			_
No Discharge this Period				•		· · · · · · · · · · · · · · · · · · ·	•					
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Name TVA - SEQUOYAH NUCLEA			NITORING REPORT	· (DMR)	MAJOR SUBR 01)		Form Approved. OMB No. 2040-00						
Address P.O. BOX 2000	- -	 .	TNO	000450		·	F - FINAL						
(INTEROFFICE SB-2A-SQN)				026450		1.00	BACKWASH	•				-	
SODDY - DAISY, TN 37384			PERMIT			ig.							
Facility TVA - SEQUOYAH NUCLEAR PLANT			MONITORING PERIOD EFFLUENT										
			YEAR	MO DA	Y YEAR	MO DAY	*** NO DISCHARG	SE :	***			•	
ATTN: Stephanie A. Howard			From 09	09 01	To 09	09 30		d instructions before completing th		ting this fo	rm.		
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			cument and all attachments were prepared under my ith a system designed to assure that qualified personnel			- NO.DA	TELEP			HONE DATE			
Timothy P. Cleary	properly gather persons who ma information, the	and evaluate the information anage the system, or those information submitted is	tion submitted. Based on r se persons directly respons , to the best of my knowled	my inquiry of the sible for gathe dge and belief	ne person or ring the true,	Sequoyah Site Vic	ce President	423 84	3-7001	09	10	07	
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Operations performs visual inspections for floating debris and oil and grease during all backwashes.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT					ARGE ELIMINATION S'		MAJOR (SUBR 01)			m Approved IB No. 2040-		
Address P.O. BOX 2000 (INTEROFFICE SB-2A-SQN) SODDY - DAISY, TN 37384 Facility TVA - SEQUOYAH NUCLEAR PLA	 ; - ;	The state of the s	026450 г number	F - FINAL BACKWASH			,	,				
Location HAMILTON COUNTY		 } .		MO DA		MO DAY	*** NO DISCHAR	GE	***			
ATTN: Stephanie A. Howard		From 09	09 01	To 09	09 30	NOTE: Read inst	ructions befor	e comple	npleting this form.			
PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CO	DICENTRATION		NO. EX	FREQUENCY	SAME	
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NAME/TITLE PRINCIPAL EXECUTIVE OFFIC						- Il p. P.	20.1	TELEPH	ONE	· ·	DATE	
Timothy P. Cleary	properly gather	and evaluate the informa	th a system designed to a tion submitted. Based on r e persons directly respons	my inquiry of th	ne person or	Sequoyah Site	Vice President				,	
Sequoyah Site Vice President	information, the accurate, and co	information submitted is implete. I am aware that	, to the best of my knowled there are significant penal ne and imprisonment for ki	dge and belief, Ities for submit	true,		ICIPAL EXECUTIVE		13-7001	09	10 MO	07
TYPED OR PRINTED COMMENTS AND EXPLANATION OF ANY VI				· · ·				CODE	UMBER	YEAR	мо	DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT Address P.O. BOX 2000 (INTEROFFICE SB-2A-SQN) SODDY - DAISY, TN 37384			NATIONAL POLLU DISC	JTANT DISCHA CHARGE MÓ	MAJOR (SUBR 01)		Form Approved. OMB No. 2040-0004					
			TN0026450 PERMIT NUMBER DIS			118 G F-FINAL DISCHARGE NUMBER WASTEWATER &						
									STORM WATER			
Facility TVA - SEQUOYAH NUCLEAR PL							1 *					
Location HAMILTON COUNTY			MONITORING PE			MO DAY						
ATTN: Stephanie A. Howard	From 09	09 01		09 30	*** NO DISCHAP			ompleting this form.				
PARAMETER		QUAN	ITITY OR LOADING			QUALITY OR C	ONCENTRATION	• • • • • • • • • • • • • • • • • • • •	NO. EX	FREQUENC OF	TY	MPLE YPE
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NAME/TITLE PRINCIPAL EXECUTIVE OFF	ICER Certify under p	penalty of law that this do	cument and all attachmen	nts were prepare	ed under my	methy P. 1	00	ŢĒLĒI	PHONE		DATE	
Timothy P Cleary	properly gather persons who m	and evaluate the information and evaluate the system, or those	ith a system designed to a ation submitted. Based on se persons directly respor to the best of my knowle	my inquiry of the	ring the	Sequoyah Site		423	343-7001	09	10	07
Sequoyah Site Vice President	accurate, and c	complete. I am aware that	there are significant pena ne and imprisonment for k	alties for submit	ting false SIC		NCIPAL EXECUTIVE					
TYPED OR PRINTED	nnormation, Inc	adding the bossining of the	no and imprisonment for P		, (OFFICER OR AUT	HORIZED AGENT	CODE	NUMBER	YEAR	МО	DAY

EPA Form 3320-1 (REV 3/99)

Previous editions may be used

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

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

Page 1 of 1