

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

May 12, 2004

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 APRIL 2004

Enclosed is the April 2004 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

Stephanie O. Howard

Signatory Authority for Richard T. Purcell

Cita Vice Desciden

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

1825

PERMITTEE NAME/ADDRESS (Include Fa		if Different)			ARGE ELIMINATION SY	(DMR)	MAJOR (SUBR 01)			orm Approved MB No. 2040-	
Address P.O. BOX 2000 (INTEROFFICE SB-2A)			TNO	026450		101 G	F - FINAL				
SODDY - DAISY TN 37384			PERMI	T NUMBER	DISCHAR	GE NUMBER	DIFFUSER DISCHA	RGE			
Facility TVA - SEQUOYAH NUCLEAR P	LANT			MONI	TORING PERIOD		EFFLUENT				
ATTN: Stephanie A. Howard			From 04	MO DA 01	Y YEAR	MO DAY 04 30	*** NO DISCHARO NOTE: Read instr		*** e compl	eting this form	n.
PARAMETER		QUAN	ITITY OR LOADING		1	QUALITY OR CON	ICENTRATION			FREQUENCY	
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MGD

REPORT

DAILY MX

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5.5% \*\*\*\*\*\*\*\*

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0.036

7.6

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0.024

0.058

INST MAX

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19

MG/L

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I 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	4 La in Adhan	TE	LEPHONE		DATE	
	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	" I CONTROLLE CO					
Cita Vica Procident	information, the information submitted is , to the best of my knowledge and belief, true,	Principal Environmental Engineer	423	843-6700	04	05	11
	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					<del></del>
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	МО	DAY
COLUMN TAREST AND FIND ASSESSMENT OF AND ADDRESS							

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

No closed mode operation. The following injections occured: 1. PCL-222 (max. calc. conc. was 0.028mg/L-limit 0.100mg/L) 2. CL-363 (max. calc. conc. was 0.010mg/L-limit 0.100mg/L) 3. PCL-222/PCL-401 (max. calc. conc. was 0.021mg/L-limit 0.100mg/L) 4. H-130M (max. calc. conc. was 0.026mg/L) 5. H-130M (low detection level analytical method was 0.023mg/L-limit 0.050mg/L)

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8/30

CONTIN

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31/30

WEEK-

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4 GRAB

**RCORDR** 

GRAB

CALCTD

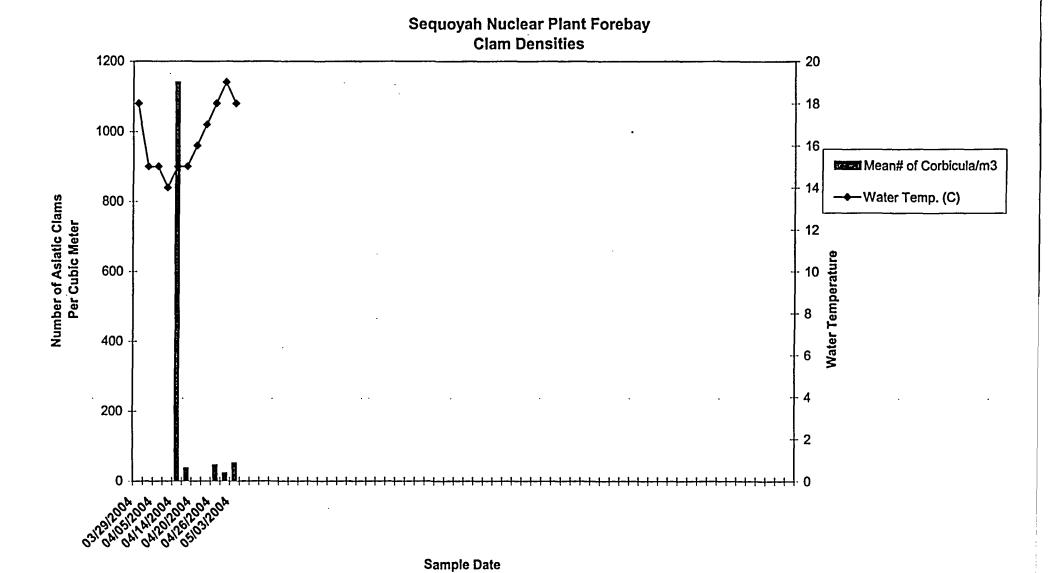
PERMITTEE NAME/ADDRESS (Include Fa Name TVA - SEQUOYAH NUCLEA Address P.O. BOX 2000		f Different)			ARGE ELIMINATION		MAJOR (SUBR 01)			rm Approve ЛВ No. 204		
(INTEROFFICE SB-2A)		<del></del>		026450		101 G	F - FINAL DIFFUSER DISCH	IADCE				
SODDY - DAISY TN 37384 Facility TVA - SEQUOYAH NUCLEAR P	ANT		PERMI	NUMBER	TORING PERIO	RGE NUMBER	EFFLUENT	IANGE				
Location HAMILTON COUNTY			YEAR	MO DA	Y YEAR	MO DAY	*** NO DISCHA	RGE [	***			
ATTN: Stephanie A. Howard			From 04	04   01	To 04	04 30	NOTE: Read in		efore comple	eting this fo	rm.	
PARAMETER		QUAN	ITITY OR LOADING			QUALITY OR CO	ONCENTRATION		NO. EX	FREQUENC	Y SAME	
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	PERMIT REQUIREMENT								36-10 1903 u			
NAME/TITLE PRINCIPAL EXECUTIVE OFF			ument and all attachments		under my	7/10/10/10	danced	TEL	EPHONE	<del></del>	DATE	$\neg$
Richard T. Purcell	properly gather a persons who man	ind evaluate the informati nage the system, or those	h a system designed to as: ion submitted. Based on m persons directly responsi	y inquiry of the ble for gatheri	ng the	Principal Environm	Howard Engineer	400	0.42.0700		05	44
Site Vice President	accurate, and co	mplete. I am aware that th	to the best of my knowleds here are significant penalti a and imprisonment for kno	es for submitti	ng false SIG	NATURE OF PRINC	CIPAL EXECUTIVE	423	843-6700	04		11
TYPED OR PRINTED		•	,			OFFICER OR AUTH	URIZED AGENT	CODE	NUMBER	YEAR	MO [	DAY
COMMENTS AND EXPLANATION OF ANY V CCW data for April 2004 is attached. Q												

CCW TRENCH				
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
4/12/2004 0905	< 0.5 mg/L	4/14/2004 0715	RIG	EPA 8015B
CCW CHANNEL	-			
Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
4/12/2004 0900	< 0.5 mg/L	4/14/2004 0752	RIG	EPA 8015B

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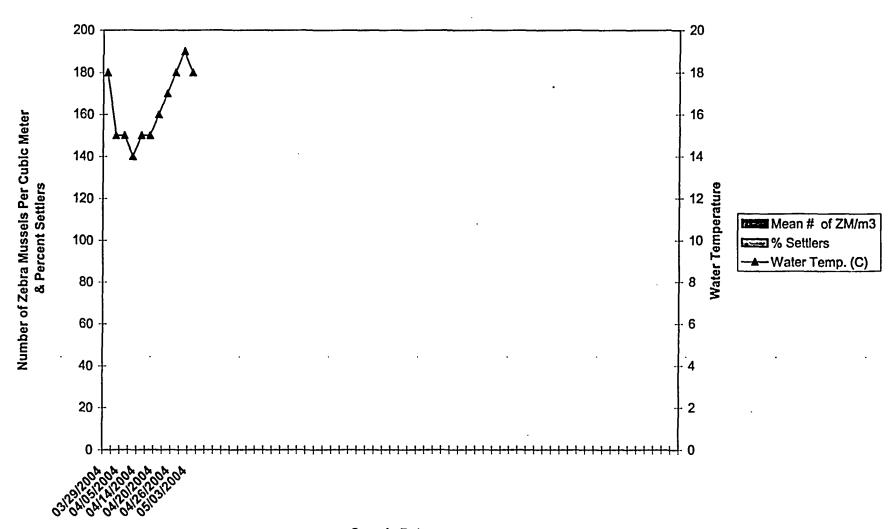
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## SQN Forbay Clam Graph



Page 1

## Sequoyah Nuclear Forbay Zebra Mussel Densities



Sample Date

Sequoyah Forebay

Sample Date	Mean # of ZM/m <sup>3</sup>	% Settlers	Water Temp. (C)	Sample Date	Mean# of Corbicula/ m <sup>3</sup>	Water Temp. (C)	NOTES: % Gravid Asiatic	LOCATION	SUB LOCATION	SAMPLE TYPE	COLLECTED BY
03/29/2004	0	0	18	03/29/2004	0	18		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/01/2004	0	0	15	04/01/2004	0	15		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/05/2004	0	0	15	04/05/2004	0	15		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/08/2004	0	0	14	04/08/2004	0	14		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/14/2004	0	0	15	04/14/2004	1140	15		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/16/2004	0	0	15	04/16/2004	36	15		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/20/2004	0	0	16	04/20/2004	0	16		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/23/2004	0	0	17	04/23/2004	0	17		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/26/2004	0	0	18	04/26/2004	45	18		intake	Intake Forebay	QUANT	W. Allen / R. Hankins
04/28/2004	0	0	19	04/28/2004	22	19		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/03/2004	0	0	18	05/03/2004	51	18		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins

PERMITTEE NAME/ADDRESS (Include F Name TVA - SEQUOYAH NUCLE Address P.O. BOX 2000		f Different)			ARGE ELIMINATION S		MAJOR (SUBR 01)			m Approve IB No. 2040		
(INTEROFFICE SB-2A) SODDY - DAISY TN 3738		 	<u> </u>	026450 T NUMBER	DISCHAF	101 T RGE NUMBER	F - FINAL BIOMONITORING I	FOR OUTFA	LL 101			
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ATTN: Stephanie A. Howard			From 04	04 01	To 04	04 30	NOTE: Read Inst	tructions befor	e comple	ting this for	m.	
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Richard T. Purcell	properly gather a persons who ma information, the	and evaluate the informat mage the system, or those information submitted is .	ion submitted. Based on n e persons directly respons to the best of my knowled	ny inquiry of the sible for gatheri Ige and belief, t	ing the p	rincipal Environn	nental Engineer	423 84	3-6700	04	05	11
Site Vice President			here are significant penalt e and imprisonment for kn			NATURE OF PRIN OFFICER OR AUTH			IMBER	YEAR	МО	DAY
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COMMENTS AND EXPLANATION OF ANY	•	ence all attachments h	ere)									
Toxicity was not sampled in April 2004	<b>).</b>											

Previous editions may be used

EPA Form 3320-1 (REV 3/99)

Page 1 of 1

PERMITTEE NAME/ADDRESS (Include Fac Name TVA - SEQUOYAH NUCLEA Address P.O. BOX 2000		if Different) 			DNITORING REPORT		MAJOR (SUBR 01)			rm Approve MB No. 204		
(INTEROFFICE SB-2A)   SODDY - DAISY   TN 37384	ANT	 		026450 T NUMBER	DISCHAR	103 G	F - FINAL LOW VOL. WASTE	TREATME	NT PO	ΝD		
Location HAMILTON COUNTY			YEAR	MON MO DA	TORING PERIOD		EFFLUENT					
ATTN: Stephanie A. Howard			From 04	04 0		04 30	NOTE: Read inst		re compl	atina this fa	m	
PARAMETER		QUAN	TITY OR LOADING			QUALITY OR CO		Tuckons belok	NO. EX	FREQUENC	Y SAI	MPLE YPE
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Richard T. Purcell	direction or supe property gather a persons who may	rvision in accordance with and 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 rible for gatheri	fied personnel person or ing the	.P116UUU incipal Environm	A. Unixad-					
Site Vice President	accurate, and co	information submitted is a mplete. I am aware that the iding the possibility of fine	nere are significant penalt	ties for submitti	ng false SIGN	ATURE OF PRINC	IPAL EXECUTIVE		3-6700 JMBER	04 YEAR	05 MO	11 DAY
TYPED OR PRINTED COMMENTS AND EXPLANATION OF ANY VI	OLATIONS (Refere	ence all attachments h	ere)					CODE				

PERMITTEE NAME/ADDRESS (Include Fa Name TVA - SEQUOYAH NUCLEA Address P.O. BOX 2000		if Different) — —	NATIONAL POLLU DISC		HARGE ELIMINA ONITORING I		(DMR)	MAJOR (SUBR 01)			rm Approve IB No. 2040		
(INTEROFFICE SB-2A)			TNO	026450			0,	F - FINAL					
SODDY - DAISY TN 37384 Facility TVA - SEQUOYAH NUCLEAR PI	LANT	<del></del>	PERMI	T NUMBE	R DIS	SCHAR	GE NUMBER	METAL CLEANING	WASTE PO	DND			
Location HAMILTON COUNTY		<del></del>		MON	ITORING P	ERIOD		EFFLUENT					
			YEAR			YEAR		*** NO DISCHAF	RGE	***			
ATTN: Stephanie A. Howard			From 04	04   0	1 To	04	04 30	NOTE; Read ins		e comple	etina this for	m.	
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NAME/TITLE PRINCIPAL EXECUTIVE OFFI	CER    Certify under no	analty of law that this down	ment and all attachments	Ware Proper	rd under mu			-,//	TELEPHO	ONE	1 -		
Richard T. Purcell	direction or super properly gather a	rvision in accordance with and evaluate the informati	n a system designed to asson submitted. Based on many persons directly responsi	sure that quality inquiry of th	rfied personnel e person or	Step	hane a	Morrard	ICLEPHO		<del>-                                     </del>	DATE	
Site Vice President	information, the i	nformation submitted is , to mplete. I am aware that the	to the best of my knowledg nere are significant penalti a and imprisonment for kno	e and belief, es for submitt	true, ing fatse	SIGN/	ncipal Environme ATURE OF PRINCII FICER OR AUTHOR	PAL EXECUTIVE		3-6700 MBER	_	05	11
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Metal Ponds were discharged on April 20 and 21. No phosphorous bearing cleaning solutions were used.

PERMITTEE NAME/ADDRESS (Include Facili Name TVA - SEQUOYAH NUCLEAR	•	Different)		UTANT DISCHA CHARGE MO			STEM (NPDES) (DMR)	MAJOR (SUBR 01)			orm Approved. MB No. 2040-0
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I 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	At aloca in Cadlows	TE	LEPHONE		DATE	
Richard T. Purcell	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.	Ataphanie a. Howard Principal Environmental Engineer	423	843-6700	04	05	11
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					<u> </u>
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

No Discharge this Period

Form Approved. OMB No. 2040-0004

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Richard T. Purcell Site Vice President	persons who mar information, the in	nage the system, or those information submitted is ,	on submitted. Based on managements of the persons directly response to the best of my knowled	ible for gather ige and belief,	true,	rincipal Environr	nental Engineer	423 84	3-6700	04	05 11
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Page 1 of 1

PERMITTEE 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 DISCHARGE MONITORING REPO			(SUBR 01)			ed. 10-0004	ı		
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