



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

November 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  
OCTOBER 2004

Enclosed is the October 2004 Discharge Monitoring Report for Sequoyah Nuclear Plant.  
Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink that reads "Stephanie A. Howard". The signature is written in a cursive, flowing style.

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

A handwritten signature in black ink, possibly reading "JEAS" or "JEAS" with a stylized flourish.

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 SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

MAJOR  
 (SUBR 01)

Form Approved.  
 OMB No. 2040-0004

**TN0026450** **101 G**  
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL  
 DIFFUSER DISCHARGE  
 EFFLUENT

MONITORING PERIOD  
 From **04 10 01** To **04 10 31**

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	24.4	04	0	31 / 31	MODEL
00010 Z 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	30.5 DAILY MX	DEG. C.		SEE PERMIT	CK REQ.
INSTREAM MONITORING											
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	37.4	04	0	31 / 31	RCORDR
00010 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT DAILY MX	DEG. C.		SEE PERMIT	CK REQ.
EFFLUENT GROSS VALUE											
PH	SAMPLE MEASUREMENT	*****	*****	**	7.1	*****	7.3	12	0	8 / 31	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	6	9	19	0	4 / 31	GRAB
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30 MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	**	*****	<5	<5	19	0	4 / 31	GRAB
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	15 MO AVG	20 DAILY MX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	1581	03	*****	*****	*****	**	0	31 / 31	RCORDR
50050 1 0 0	PERMIT REQUIREMENT	*****	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	RCORDR
EFFLUENT GROSS VALUE											
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****	**	*****	<0.017	<0.029	19	0	34 / 31	GRAB
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.036	0.058 INST. MAX	MG/L		WEEK-DAYS	CALCTD.
EFFLUENT GROSS VALUE											

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 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.	TELEPHONE		DATE		
J. Randy Douet		423	843-6700	04	11	12
Site Vice President		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				

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

No closed mode operation. The following injections occurred: 1. PCL-222 (max. calc. conc. was 0.059mg/L—limit 0.100mg/L) 2. PCL-222/PCL-401 (max. calc. conc. was 0.028mg/L—limit 0.100mg/L)

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**SODDY - DAISY TN 37384**  
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 Location **HAMILTON COUNTY**

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

MAJOR  
 (SUBR 01)

Form Approved.  
 OMB No. 2040-0004

**TN0026450** **101 G**  
**PERMIT NUMBER** **DISCHARGE NUMBER**

F - FINAL  
 DIFFUSER DISCHARGE  
 EFFLUENT

MONITORING PERIOD  
 From **YEAR 04 MO 10 DAY 01** To **YEAR 04 MO 10 DAY 31**

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE - C, RATE OF CHANGE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.4	62	0	31 / 31	CALCTD
82234 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2.0	DEG C /HR		CONTINUOUS	CALCTD
EFFLUENT GROSS VALUE											
TEMP. DIFF. BETWEEN SAMP. & UPSTRM DEG.C	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	2.4	04	0	31 / 31	CALCTD
00016 1 S 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3.0	DEG. C.		CONTINUOUS	CALCTD
EFFLUENT GROSS VALUE											
BORON, TOTAL	SAMPLE MEASUREMENT	*****	*****	**	<0.2	<0.2	<0.2	19	0	1 / 31	GRAB
01022 1 0 0	PERMIT REQUIREMENT	*****	*****	****	REPORT	REPORT	REPORT	MG/L		ONCE / MONTH	GRAB
EFFLUENT GROSS VALUE											
	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	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 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.	TELEPHONE		DATE				
J. Randy Douet		423	843-6700	04	11	12		
Site Vice President								
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 CCW data for October 2004 is attached. Quarterly veliger monitoring information is attached.

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**CCW TRENCH**

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Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
10/1/2004 0945	< 0.5 mg/L	10/4/2004 1652	JBR	EPA 8015B

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**CCW CHANNEL**

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Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
10/1/2004 0940	< 0.5 mg/L	10/4/2004 1614	JBR	EPA 8015B

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# 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 Clam	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
05/06/2004	0	0	19	05/06/2004	0	19		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/10/2004	0	0	19	05/10/2004	0	19		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/14/2004	0	0	19	05/14/2004	2,585	19		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/17/2004	0	0	21	05/17/2004	1,168	21		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/20/2004	0	0	22	05/20/2004	191	22		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/24/2004	0	0	22	05/24/2004	329	22		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
05/27/2004	0	0	23	05/27/2004	323	23		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
06/01/2004	0	0	23	06/01/2004	627	23		Intake	Intake Forebay	QUANT	R. Hankins
06/04/2004	0	0	23	06/04/2004	642	23		Intake	Intake Forebay	QUANT	R. Hankins / K. Laymon
06/08/2004	0	0	24	06/08/2004	289	24		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
06/10/2004	0	0	24	06/10/2004	422	24		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
06/14/2004	0	0	24	06/14/2004	1,881	24		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
06/17/2004	0	0	26	06/17/2004	1,645	26		Intake	Intake Forebay	QUANT	W. Allen / R. Hankins
06/21/2004	0	0	26	06/21/2004	1,081	26		Intake	Intake Forebay	QUANT	W. Allen / G. Walker
06/24/2004	0	0	27	06/24/2004	3,302	27		Intake	Intake Forebay	QUANT	W. Allen / K. Laymon
06/28/2004	0	0	25	06/28/2004	1,254	25		Intake	Intake Forebay	QUANT	W. Allen / K. Laymon
07/01/2004	0	0	24	07/01/2004	50	24		Intake	Intake Forebay	QUANT	W. Allen
07/05/2004			24	07/05/2004		24	Sample Not Enough /	Intake	Intake Forebay	QUANT	W. Allen
07/08/2004	864	36	25	07/08/2004	1357	25		Intake	Intake Forebay	QUANT	W. Allen
07/13/2004	71	50	29	07/13/2004	461	29		Intake	Intake Forebay	QUANT	SJB/BB
07/15/2004	106	60	29	07/15/2004	592	29		Intake	Intake Forebay	QUANT	BB/JPB
07/19/2004	131	100	28	07/19/2004	196	28		Intake	Intake Forebay	QUANT	W. Allen

# 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 Clam	LOCATION	SUB LOCATION	SAMPLE TYPE	COLLECTED BY
07/22/2004	396	75	26	07/22/2004	832	26		Intake	Intake Forebay	QUANT	W. Allen
07/26/2004	218	38	28	07/26/2004	491	28		Intake	Intake Forebay	QUANT	W. Allen
07/30/2004	159	50	28	07/30/2004	1271	28		Intake	Intake Forebay	QUANT	W. Allen
08/02/2004	55	50	28	08/02/2004	362	28		Intake	Intake Forebay	QUANT	W. Allen
08/05/2004	184	40	28	08/05/2004	2287	28		Intake	Intake Forebay	QUANT	W. Allen
08/09/2004	133	0	26	08/09/2004	177	26		Intake	Intake Forebay	QUANT	W. Allen
08/12/2004	86	50	27	08/12/2004	1859	27		Intake	Intake Forebay	QUANT	W. Allen
08/16/2004	0	0	25	08/16/2004	337	25		Intake	Intake Forebay	QUANT	W. Allen
08/19/2004	424	40	25	08/19/2004	582	25		Intake	Intake Forebay	QUANT	W. Allen
08/23/2004	157	66	26	08/23/2004	1672	26		Intake	Intake Forebay	QUANT	W. Allen
08/26/2004	173	50	25	08/26/2004	432	25		Intake	Intake Forebay	QUANT	W. Allen
08/30/2004	43	33	26	08/30/2004	883	26		Intake	Intake Forebay	QUANT	SJB/BB
09/02/2004	64	50	26	09/02/2004	384	26		Intake	Intake Forebay	QUANT	SJB/BB
09/09/2004	396	50	24	09/09/2004	941	24		Intake	Intake Forebay	QUANT	W. Allen
09/10/2004	0	0	23	09/10/2004	1026	23		Intake	Intake Forebay	QUANT	W. Allen
09/13/2004	279	50	27	09/13/2004	1951	27		Intake	Intake Forebay	QUANT	W. Allen
09/15/2004	0	0	25	09/15/2004	3,565	25		Intake	Intake Forebay	QUANT	W. Allen
09/20/2004	0	0	23	09/20/2004	1,042	23		Intake	Intake Forebay	QUANT	W. Allen
09/23/2004	0	0	22	09/23/2004	3250	22		Intake	Intake Forebay	QUANT	W. Allen
09/27/2004	148	0	23	09/27/2004	664	23		Intake	Intake Forebay	QUANT	W. Allen
09/30/2004	0	0	22	09/30/2004	557	22		Intake	Intake Forebay	QUANT	W. Allen
10/07/2004	0	0	22	10/07/2004	594	22		Intake	Intake Forebay	QUANT	CR Wilheite Adcock
10/08/2004	0	0	21	10/08/2004	553	21		Intake	Intake Forebay	QUANT	CR Wilheite Adcock
10/12/2004	0	0	22	10/12/2004	1168	22		Intake	Intake Forebay	QUANT	CR Wilheite Adcock
10/18/2004	0	0	18	10/18/2004	1075	18		Intake	Intake Forebay	QUANT	W. Allen
10/21/2004	295	25	18	10/21/2004	1,697	18		Intake	Intake Forebay	QUANT	W. Allen
10/25/2004	154	0	21	10/25/2004	307	21		Intake	Intake Forebay	QUANT	W. Allen
10/28/2004	0	0	18	10/28/2004	912	18		Intake	Intake Forebay	QUANT	W. Allen
11/01/2004	0	0	20	11/01/2004	280	20		Intake	Intake Forebay	QUANT	W. Allen

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 SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

MAJOR  
 (SUBR 01)

Form Approved.  
 OMB No. 2040-0004

TN0026450 101 T  
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL  
 BIOMONITORING FOR OUTFALL 101  
 EFFLUENT

MONITORING PERIOD  
 From YEAR MO DAY To YEAR MO DAY  
 04 10 01 04 10 31

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read Instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
IC25 STATRE 7DAY CHR CERIODAPHNIA	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP3B 1 0 0	PERMIT REQUIREMENT	*****	*****	****	43.9 MINIMUM	*****	*****	PERCENT		QTRLY	COMPOS
EFFLUENT GROSS VALUE											
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP6C 1 0 0	PERMIT REQUIREMENT	*****	*****	****	43.9 MINIMUM	*****	*****	PERCENT		QTRLY	COMPOS
EFFLUENT GROSS VALUE											
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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J. Randy Douet		423	843-6700	04	11	12
Site Vice President						
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

Stephanie A. Howard  
 Principal Environmental Engineer  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

Toxicity was not sampled in October 2004.

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

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**SODDY - DAISY TN 37384**  
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 Location **HAMILTON COUNTY**

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

MAJOR  
 (SUBR 01)

Form Approved.  
 OMB No. 2040-0004

**TN0026450** **103 G**  
**PERMIT NUMBER** **DISCHARGE NUMBER**

F - FINAL  
 LOW VOL. WASTE TREATMENT POND  
 EFFLUENT

MONITORING PERIOD  
 From **04 10 01** To **04 10 31**

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**	6.9	*****	8.5	12	0	16 / 31	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	83	154	26	*****	9	17	19	0	8 / 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	<60	<110	26	*****	<5	<5	19	0	8 / 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	1.072	2.632	03	*****	*****	*****	**	0	31 / 31	TOTALZ
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	**		DAILY	TOTALZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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 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.	TELEPHONE		DATE		
J. Randy Douet Site Vice President		423	843-6700	04	11	12
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

*Stephanie A. Howard*  
 Principal Environmental Engineer  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

The Turbine Building Sump was discharged directly to the Yard Drainage Pond on October 28 - October 31, 2004.



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 SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

MAJOR  
(SUBR 01)

Form Approved.  
OMB No. 2040-0004

**TN0026450**

**107 G**

PERMIT NUMBER

DISCHARGE NUMBER

F - FINAL

METAL CLEANING WASTE POND

EFFLUENT

\*\*\* NO DISCHARGE ☐ \*\*\*

ATTN: Stephanie A. Howard

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From 04	10	01	To 04	10	31

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**	7.6	*****	8.4	12	0	4 / 31	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	6	19	0	4 / 31	COMPOS
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	30 DAILY MX	MG/L		DAILY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	<5	19	0	4 / 31	GRAB
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	15 DAILY MX	MG/L		DAILY	GRAB
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.001	19	0	4 / 31	COMPOS
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.15	19	0	4 / 31	COMPOS
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.031	0.037	03	*****	*****	*****	**	0	4 / 31	CALCTD
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	***		DAILY	CALCTD

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 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.	TELEPHONE		DATE		
J. Randy Douet Site Vice President		423	843-6700	04	11	12
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

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

The Lined Metal Pond was discharged directly to the LWWTP (Outfall 103) on October 1, 4, 29, and 30, 2004. No phosphorous bearing cleaning solutions were used.

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 SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

MAJOR  
 (SUBR 01)

Form Approved.  
 OMB No. 2040-0004

**TN0026450** **110 G**  
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL  
 RECYCLED COOLING WATER  
 EFFLUENT

MONITORING PERIOD  
 From 

YEAR	MO	DAY
04	10	01

 To 

YEAR	MO	DAY
04	10	31

\*\*\* NO DISCHARGE ☒ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**		*****		12			
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	30 DAILY MX	MG/L		DAILY	COMPOS
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	15 DAILY MX	MG/L		DAILY	COMPOS
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
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

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 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.	TELEPHONE		DATE		
J. Randy Douet Site Vice President		423	843-6700	04	11	12
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

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

No Discharge this Period

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 SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

MAJOR  
 (SUBR 01)

Form Approved.  
 OMB No. 2040-0004

**TN0026450** **116 G**  
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL  
 BACKWASH  
 EFFLUENT

MONITORING PERIOD  
 From 

YEAR	MO	DAY
04	10	01

 To 

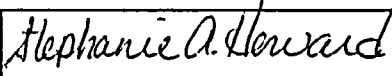
YEAR	MO	DAY
04	10	31

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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 MO-TOTAL	YES=1 NO=0	*****	*****	*****	***		SEE PERMIT	VISUAL
	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  J. Randy Douet Site Vice President  TYPED OR PRINTED	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 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.	 Stephanie A. Howard Principal Environmental Engineer SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			423	843-6700	04	11	12
			AREA CODE	NUMBER	YEAR	MO	DAY

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

**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  
BACKWASH  
EFFLUENTForm Approved.  
OMB No. 2040-0004

TN0026450

117 G

PERMIT NUMBER

DISCHARGE NUMBER

## MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY	
04	10	01	To	04	10	31

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
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 MO TOTAL	YES=1 NO=0	*****	*****	*****	***		SEE PERMIT	VISUAL
	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

J. Randy Douet

Site Vice President

TYPED OR PRINTED

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 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.

*Stephanie A. Howard*  
Principal Environmental Engineer  
SIGNATURE OF PRINCIPAL EXECUTIVE  
OFFICER OR AUTHORIZED AGENT

TELEPHONE

423 843-6700

AREA CODE

NUMBER

DATE

04 11 12

YEAR MO DAY

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

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)  
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 118 G  
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL  
 WASTEWATER & STORM WATER  
 EFFLUENT

MONITORING PERIOD  
 From 

YEAR	MO	DAY
04	10	01

 To 

YEAR	MO	DAY
04	10	31

\*\*\* NO DISCHARGE ☒ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Stephanie A. Howard

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****	**		*****	*****	19			
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	2.0 DAILY MN	*****	*****	MG/L		TWICE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	100 DAILY MX	MG/L		TWICE/ WEEK	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		25			
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 MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*		ONCE/ BATCH	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  J. Randy Douet  Site Vice President  TYPED OR PRINTED	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 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.	TELEPHONE		DATE		
		423	843-6700	04	11	12
		AREA CODE	NUMBER	YEAR	MO	DAY

*Stephanie A. Howard*  
 Principal Environmental Engineer  
 SIGNATURE OF PRINCIPAL EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

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.