



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

September 13, 2005

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

Attention: Mr. Chip Hannah

Dear Mr. Hannah:

SEQUOYAH NUCLEAR PLANT - DISCHARGE MONITORING REPORT FOR AUGUST 2005

Enclosed is the August 2005 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 cursive script that reads 'Stephanie A. Howard'.

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

Handwritten initials 'IE25' in a stylized, bold, sans-serif font, with a horizontal line drawn through the middle of the letters.

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

ATTN: Stephanie A. Howard

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
05	08	01	To	05	08 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			
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	30.3	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	*****	*****	**	*****	*****	43.2	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	*****	*****	**	6.9	*****	7.0	12	0	10 / 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	*****	*****	**	*****	5	10	19	0	5 / 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	5 / 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	*****	1579	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	32 / 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	05	09	13
Site Vice President						
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

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

No closed mode operation. CCW data for August 2005 is attached. Veliger monitoring information is attached.

CCW TRENCH

Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
08/04/2005 @ 0730	< 0.5 mg/L	08/08/2005 @ 2207	CVS	EPA 8015B

CCW CHANNEL

Date/Time Collected	Extractable Petroleum Hydrocarbons	Analysis Date/Time	Analyst	Method
08/04/2005 @ 0725	< 0.5 mg/L	08/08/2005 @ 2129	CVS	EPA 8015B

SEQUOYAH INPLANT SAMPLING

Sample Date	Mean # of ZM/m ³	% Settlers	Water Temp. (°C)	Sample Date	Mean# of Asiatic Clams/m ³	Water Temp. (°C)	LOCATION	SUB LOCATION	SAMPLE TYPE	COLLECTED BY
04/01/2005	0	0	14	04/01/2005	29	14	INPLANT	lant Raw Wk	QUANT	Dick Adcock
04/06/2005	0	0	13	04/06/2005	81	13	INPLANT	lant Raw Wk	QUANT	Dick Adcock
04/08/2005	0	0	14	04/08/2005	54	14	INPLANT	lant Raw Wk	QUANT	Dick Adcock
04/13/2005	0	0	16	04/13/2005	106	16	INPLANT	lant Raw Wk	QUANT	Dick Adcock
04/15/2005	0	0	16	04/15/2005	0	16	INPLANT	lant Raw Wk	QUANT	Dick Adcock
06/23/2005	432	50	25	06/23/2005	154	25	INPLANT	lant Raw Wk	QUANT	Dick Adcock
06/24/2005	162	80	25	06/24/2005	30	25	INPLANT	lant Raw Wk	QUANT	Dick Adcock
06/29/2005	290	80	26	06/29/2005	168	26	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/01/2005	318	100	27	07/01/2005	127	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/06/2005	0	0	26	07/06/2005	677	26	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/08/2005	122	29	26	07/08/2005	1132	26	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/13/2005	51	33	26	07/13/2005	998	26	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/15/2005	0	0	26	07/15/2005	186	26	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/20/2005	38	50	26	07/20/2005	303	26	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/22/2005	0	0	27	07/22/2005	100	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/27/2005	143	100	27	07/27/2005	341	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/28/2005	488	100	27	07/28/2005	627	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
07/29/2005	90	20	27	07/29/2005	663	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
08/03/2005	0	0	27	08/03/2005	500	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
08/05/2005	0	0	27	08/05/2005	250	27	INPLANT	lant Raw Wk	QUANT	Dick Adcock
08/09/2005	383	35	27.5	08/09/2005	1067	27.5	INPLANT	lant Raw Wk	QUANT	CFT
08/11/2005	0	0	27	08/11/2005	0	27	INPLANT	lant Raw Wk	QUANT	CFT
08/16/2005	34	0	28	08/16/2005	464	28	INPLANT	lant Raw Wk	QUANT	CFT
08/19/2005	100	100	27.5	08/19/2005	367	27.5	INPLANT	lant Raw Wk	QUANT	Dick Adcock
08/24/2005	51	100	28	08/24/2005	237	28	INPLANT	lant Raw Wk	QUANT	CFT
08/26/2005	133	25	27	08/26/2005	467	27	INPLANT	lant Raw Wk	QUANT	CFC
08/30/2005	150	100	27.5	08/30/2005	267	27.5	INPLANT	lant Raw Wk	QUANT	CFT
09/02/2005	17	100	27.5	09/02/2005	85	27.5	INPLANT	lant Raw Wk	QUANT	CFT
09/06/2005	66	100	27.5	09/06/2005	115	27.5	INPLANT	lant Raw Wk	QUANT	CFT

Sequoyah Forebay Sampling

Sample Date	Mean # of ZM/m ³	% Settlers	Water Temp. (°C)	Sample Date	Mean# of Asiatic Clams/m ³	Water Temp. (°C)	NOTES: % Gravid Asiatic Clam	LOCATION	SUB LOCATION	SAMPLE TYPE	COLLECTED BY
02/16/2005	0	0	7.9	02/16/2005	0	7.9	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Justice
02/23/2005	0	0	8	02/23/2005	0	8	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Justice
02/28/2005	0	0	7	02/28/2005	54	7	0	Outside Plar	Forebay	Quant	S Jones-Brier, Chris Coe
03/07/2005	0	0	7	03/07/2005	82	7	0	Outside Plar	Forebay	Quant	S Jones-Brier, Chris Coe
03/15/2005	0	0	10	03/15/2005	122	10	0	Outside Plar	Forebay	Quant	S Jones-Brier, Chris Coe
03/21/2005	0	0	10	03/21/2005	105	10	0	Outside Plar	Forebay	Quant	S Jones-Brier, Chris Coe
03/29/2005	0	0	12	03/29/2005	101	12	0	Outside Plar	Forebay	Quant	nes-Brier, Chris Coe, JRig
04/05/2005	0	0	13	04/05/2005	525	13	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
04/07/2005	0	0	14	04/07/2005	252	14	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
05/04/2005	0	0	17	05/04/2005	0	17	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
05/09/2005	0	0	18	05/09/2005	632	18	60%	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
05/12/2005	0	0	18	05/12/2005	549	18	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
05/17/2005	43	50	23	05/17/2005	106	23	0	Outside Plar	Forebay	Quant	J Rigsby, M MacCarroll
05/19/2005	31	50	21	05/19/2005	299	21	33%	Outside Plar	Forebay	Quant	ies-Brier, J Rigsby, MacC
05/23/2005	579	50	20	05/23/2005	22	20	0%	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
05/26/2005	242	50	20	05/26/2005	61	20	0	Outside Plar	Forebay	Quant	ies-Brier, J Rigsby, MacC
05/30/2005	1530	26	22	05/30/2005	1831	22	66%	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
06/02/2005	1344	30	22	06/02/2005	1989	22	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
06/07/2005	240	40	23	06/07/2005	613	23	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
06/09/2005	192	40	24	06/09/2005	425	24	0	Outside Plar	Forebay	Quant	3rier, J Rigsby, MacCarro
06/13/2005	236	42	24	06/13/2005	928	24	0	Outside Plar	Forebay	Quant	J Rigsby, M MacCarroll
06/15/2005	78	33	24.5	06/15/2005	2491	24.5	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
06/23/2005	0	0	24	06/23/2005	171	24	0	Outside Plar	Forebay	Quant	W. Allen
06/24/2005	0	0	24	06/24/2005	784	24	0	Outside Plar	Forebay	Quant	W. Allen
06/27/2005	0	0	24	06/27/2005	305	24	0	Outside Plar	Forebay	Quant	W. Allen
06/30/2005	0	0	24	06/30/2005	0	24	0	Outside Plar	Forebay	Quant	W. Allen
07/25/2005	24	100	27	07/25/2005	1205	27	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby
07/28/2005	0	0	27	07/28/2005	0	27	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby,
08/01/2005	28	100	28	08/01/2005	1505	28	0	Outside Plar	Forebay	Quant	S Jones-Brier, J Rigsby

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

ATTN: Stephanie A. Howard

MONITORING PERIOD
 From

YEAR	MO	DAY
05	08	01

 To

YEAR	MO	DAY
05	08	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			
TEMPERATURE - C, RATE OF CHANGE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.3	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	*****	*****	**	*****	*****	2.0	04	0	31 / 31	CALCTD
00016 1 S 0	PERMIT REQUIREMENT	*****	*****	***	*****	*****	3.0	DEG. C.		CONTINUOUS	CALCTD
EFFLUENT GROSS VALUE											
BORON, TOTAL	SAMPLE MEASUREMENT	*****	*****	**	<0.20	<0.20	<0.20	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										

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	05	09	13
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)

The following injections occurred: 1. PCL-222 Copolymer (max. calc. conc. was 0.021mg/L--limit 0.2mg/L) 2. PCL-222 Phosphate (max. calc. conc. was 0.061mg/L--limit 0.2mg/L) 3. Biodetergent 73551 (max. calc. conc. was 0.014mg/L--limit 2.0mg/L) 4. H-150M (max. calc. conc. was 0.037mg/L--limit 0.050mg/L) 5. H-150M (low detection level analytical method was <0.020mg/L--limit 0.050mg/L)

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

ATTN: Stephanie A. Howard

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From 05	08	01	To 05	08	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			
IC25 STATRE 7DAY CHR CERIODAPHNIA	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP3B 1 0 0	PERMIT REQUIREMENT	*****	*****	****	43.9 MINIMUM	*****	*****	PERCENT		QTRLY	COMPOS
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP6C 1 0 0	PERMIT REQUIREMENT	*****	*****	****	43.9 MINIMUM	*****	*****	PERCENT		QTRLY	COMPOS
	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 Site Vice President		423	843-6700	05	09	13
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)

Toxicity was not sampled in August 2005.

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

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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

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
05	08	01	To	05	08 31

EFFLUENT

*** 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	*****	*****	**	6.5	*****	9.0	12	0	14 / 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	94	156	26	*****	11	17	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	<46	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	1.045	1.355	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										

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J. Randy Douet Site Vice President		423	843-6700	05	09	13
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR	MO	DAY

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

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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 107 G
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 METAL CLEANING WASTE POND
 EFFLUENT

ATTN: Stephanie A. Howard

MONITORING PERIOD
 From YEAR MO DAY To YEAR MO DAY
 05 08 01 05 08 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	*****	*****	**		*****		12			
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	*****	*****	**	*****	*****		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	GRAB
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
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	05	09	13
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 110 G
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 RECYCLED COOLING WATER
 EFFLUENT

ATTN: Stephanie A. Howard

MONITORING PERIOD
 From YEAR MO DAY To YEAR MO DAY
 05 08 01 05 08 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	*****	*****	**		*****		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 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	05	09	13
		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

ATTN: Stephanie A. Howard

MONITORING PERIOD
 From **05 08 01** To **05 08 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			
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	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	05	09	13
TYPED OR PRINTED		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)

 Form Approved.
 OMB No. 2040-0004

TN0026450	117 G
PERMIT NUMBER	DISCHARGE NUMBER

 F - FINAL
 BACKWASH
 EFFLUENT

ATTN: Stephanie A. Howard

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From 05	08	01	To 05	08	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			
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

05

09

13

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)

Form Approved.
 OMB No. 2040-0004

TN0026450 **118 G**
 PERMIT NUMBER DISCHARGE NUMBER

F - FINAL
 WASTEWATER & STORM WATER
 EFFLUENT

ATTN: Stephanie A. Howard

MONITORING PERIOD
 From **05 08 01** To **05 08 31**

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

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			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**		*****	*****	19			
	PERMIT REQUIREMENT	*****	*****	***	2.0 DAILY MN	*****	*****	MG/L		TWICE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	100 DAILY MX	MG/L		TWICE/ WEEK	GRAB
SOLIDS, SETTLEABLE 00545 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		25			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	1.0 DAILY MX	ML/L		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			03	*****	*****	*****	**			
	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	05	09	13
		AREA CODE	NUMBER	YEAR	MO	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.