



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

March 12, 2002

State of Tennessee  
Department of Environment and Conservation  
Division of Water Pollution Control  
401 Church Street, 6th Floor Annex  
Nashville, Tennessee 37243-1534

Attention: Ms. Evelyn Haskin, Enforcement & Compliance

Dear Ms. Haskin:

TENNESSEE VALLEY AUTHORITY - DISCHARGE MONITORING REPORT FOR  
SEQUOYAH NUCLEAR PLANT

Please find enclosed the Discharge Monitoring Report (DMR) of February 2002 for Sequoyah. Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink that reads "Diedre B. Nida".

Diedre B. Nida  
Environmental Supervisor  
Signatory Authority  
for Richard T. Purcell  
Vice President  
Sequoyah Nuclear Plant

Enclosures: 2 (original & copy)

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

IE25

PERMITTEE NAME/ADDRESS (include facility name/location if different)

Name TVA - SEQUOYAH NUCLEAR PLANT  
 Address BOX 2000  
 (INTEROFFICE SB-2A)  
SODDY - DAISY IN 37384  
 Facility TVA - SEQUOYAH NUCLEAR PLANT  
 Location HAMILTON COUNTY

DISCHARGE MONITORING REPORT (DMR)

(SUBR 01)

OMB No. 2040-0004

TN0026450	101 G
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL  
 DIFFUSER DISCHARGE  
 EFFLUENT

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From 02	02	01	To 02	02	28

\*\*\* NO DISCHARGE ☐ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Diedre B. Nida

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	*****	*****	**	*****	*****	13.6	(04)	0	28 / 28	MODEL
00010 Z 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	30.5 DAILY MX	DEG. C.		SEE PERMIT	CK REQ
INSTREAM MONITORING	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	26.2	(04)	0	28 / 28	RCORDR
TEMPERATURE, WATER DEG. CENTIGRADE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT DAILY MX	DEG. C.		SEE PERMIT	CK REQ
00010 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	7.6	*****	7.8	(12)	0	8 / 28	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	**	*****	5	6	(19)	0	4 / 28	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30 MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	*****	<5	<5	(19)	0	4 / 28	GRAB
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****	****	*****	15 MO AVG	20 DAILY MX	MG/L		WEEKLY	GRAB
00530 1 0 0	SAMPLE MEASUREMENT	*****	1669	(03)	*****	*****	*****	**	0	28 / 28	RCORDR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	RCORDR
50050 1 0 0	SAMPLE MEASUREMENT	*****	*****	**	*****	<0.006	0.014	(19)	0	35 / 28	GRAB
CHLORINE, TOTAL RESIDUAL	PERMIT REQUIREMENT	*****	*****	****	*****	0.036	0.058 INST MAX	MG/L		WEEK-DAYS	CALCTD
50060 1 0 0											
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		
Richard T. Purcell		423	843-6700	02	03	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 0.027mg/L--limit 0.100mg/L) 2. CL-363 (max. calc. conc. was 0.009mg/L--limit 0.100mg/L) 3. PCL-222/PCL-401 (max. calc. conc. was 0.025mg/L--limit 0.100mg/L)

101 G  
DISCHARGE NUMBER  
101 G  
DISCHARGE NUMBER

MONITORING PERIOD  
YEAR MO DAY  
02 02 01 To 02 02 28

ATTN: Diedre B. Nida

\*\*\* NO DISCHARGE \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER	<div></div>	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 82234 1 0 0 EFFLUENT GROSS VALUE TEMP. DIFF. BETWEEN SAMP. & UPSTRM DEG.C	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.3	(62)	0	28 / 28	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2.0	DEG C /HR			CALCTD
	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	3.2	(04)	0	28 / 28	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5.0	DEG. C.			CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
BORON, TOTAL 01022 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	**	<0.2	<0.2	<0.2	(19)	0	1 / 28	GRAB
	PERMIT REQUIREMENT	*****	*****	****	REPORT	REPORT	REPORT	MG/L			GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
Richard T. Purcell	423 843-6700	02 03 12
Site Vice President	AREA CODE NUMBER	YEAR MO DAY
TYPED OR PRINTED		

Signature: *Diedre B. Nida*  
Environmental Supervisor  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

CCW Data for February 2002

CCW CHANNEL		
DATE	EXTRACTABLE PETROLEUM HYDROCARBONS (mg/L)	COMMENTS
02/13/02	< 0.5	
02/27/02	< 0.5	

CCW TRENCH DISCHARGE		
DATE	EXTRACTABLE PETROLEUM HYDROCARBONS (mg/L)	COMMENTS
02/13/02	1.9	
02/27/02	1.4	

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

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(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	103 G
PERMIT NUMBER	DISCHARGE NUMBER

F - FINAL  
 LOW VOL. WASTE TREATMENT POND  
 EFFLUENT

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
From 02	02	01	To 02	02	28

\*\*\* NO DISCHARGE \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Dledre B. Nida

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**	7.5	*****	9.0	(12)	0	11 / 28	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	**	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		THREE/ WEEK	GRAB
EFFLUENT GROSS VALUE											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	101	165	(26)	*****	13	16	(19)	0	4 / 28	GRAB
00530 1 0 0	PERMIT REQUIREMENT	380 MO AVG	1250 DAILY MX	LBS/DY	*****	30 MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
OIL AND GREASE	SAMPLE MEASUREMENT	<37	<51	(26)	*****	<5	<5	(19)	0	4 / 28	GRAB
00556 1 0 0	PERMIT REQUIREMENT	190 MO AVG	250 DAILY MX	LBS/DY	*****	15 MO AVG	20 DAILY MX	MG/L		WEEKLY	GRAB
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	1.019	1.424	(03)	*****	*****	*****	**	0	28 / 28	TOTAL
50050 1 0 0	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	**		DAILY	TOTAL
EFFLUENT GROSS VALUE											
	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		
Richard T. Purcell		423	843-6700	02	03	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)

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 Address BOX 2000  
(INTEROFFICE SB-2A)  
SODDY - DAISY IN 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

<table border="1"> <tr> <td>TN0026450</td> </tr> <tr> <td>PERMIT NUMBER</td> </tr> </table>	TN0026450	PERMIT NUMBER	<table border="1"> <tr> <td>107 G</td> </tr> <tr> <td>DISCHARGE NUMBER</td> </tr> </table>	107 G	DISCHARGE NUMBER
TN0026450					
PERMIT NUMBER					
107 G					
DISCHARGE NUMBER					

F - FINAL  
 METAL CLEANING WASTE POND  
 EFFLUENT

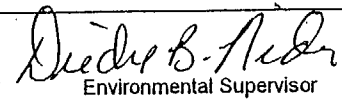
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
02	02	01	02	02	28

\*\*\* NO DISCHARGE \*\*\*

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ATTN: Diedre B. Nida

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**	7.4	*****	8.8	(12)	0	12 / 28	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
EFFLUENT GROSS VALUE											
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	N/A	(19)			
00665 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
EFFLUENT GROSS VALUE											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	15	(19)	0	12 / 28	COMPOS
00530 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	30 DAILY MX	MG/L		DAILY	COMPOS
EFFLUENT GROSS VALUE											
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	<5	(19)	0	12 / 28	GRAB
00556 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	15 DAILY MX	MG/L		DAILY	GRAB
EFFLUENT GROSS VALUE											
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0.006	(19)	0	12 / 28	COMPOS
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
EFFLUENT GROSS VALUE											
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	1.8	(19)	5	12 / 28	COMPOS
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	1.0 DAILY MX	MG/L		DAILY	COMPOS
EFFLUENT GROSS VALUE											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.036	0.051	(03)	*****	*****	*****	**	0	12 / 28	CALCTD
50050 1 0 0	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		DAILY	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.	 Environmental Supervisor	TELEPHONE		DATE		
			423	843-6700	02	03	12
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)

No phosphate bearing chemicals were used. The metal ponds were released on Feb 1-2, 4-12, and 19 of 2002. Iron parameters were exceeded for 5 days on Feb. 4-8 of 2002. An explanation is attached.

### Outfall 107 - Metal Cleaning Waste Ponds Out of Limit Iron

Due to excessive amounts of rainfall at Sequoyah Nuclear Plant in January 2002, (2.55 inches on 1/19/02 and 2.23 inches on 1/24/02), the Metal Cleaning Waste Ponds levels were full of water and in danger of overflowing. The procedure (O-PI-ENV-000-016.A) to pump the unlined metal cleaning waste pond was initiated on 1/23/02. Prerelease non NPDES samples were collected on 1/28/02 for oil and grease (O&G), total suspended solids (TSS), iron (Fe), copper (Cu), and pH.

The results of these samples were:

	TSS (Limit ≤ 30 mg/l)	O&G (Limit ≤ 15 mg/l)	Fe (Limit ≤ 1.0 mg/l)	Cu (Limit ≤ 1.0 mg/l)	pH (Limit 6.0 - 9.0)
Date/Time Sampled	1/28/02 / 1340	1/28/02 / 1340	1/28/02 / 1340	1/28/02 / 1340	1/28/02 / 1330
Results	5 mg/l	< 5 mg/l	0.29 mg/l	0.001 mg/l	8.91
Date/Time Analyzed	1/29/02 / 0917	1/29/02 / 1130	1/30/02 / 0834	1/30/02 / 0943	1/28/02 / 1333

Prior to releasing the Unlined Metal Cleaning Waste Pond (UMCWP) on 2/1/02, a pH sample was collected to verify that the pH was within permit limits. The pH results were greater than the 9.0 NPDES permit limit. Since the permit allows neutralization to adjust the pond pH to below 9.0, 25 gallons of concentrated sulfuric acid was added to the pond. The pH was re-sampled with a result of 8.77 on 2/1/02 at 0829. Pumping of the UMCWP was then initiated on 2/1/02. A "Beginning of Release" oil and grease and pH sample were collected on 2/1/02 at 0820, and composite sampling for iron, copper, and total suspended solids was initiated. Composite sampling (equal volume samples collected every hour) continued for the duration of the release of the pond. The composite sample collected was split, one sample was sent to the TVA Environmental Chemistry Lab for total suspended solids (TSS), oil and grease (O&G), iron (Fe), and copper (Cu) analysis, the other was held at Sequoyah as a backup sample. This sampling process was repeated on 2/2/02, 2/4/02, 2/5/02, 2/6/02, 2/7/02 and 2/8/02.

The results of the samples for the release event were:

Date Sampled	2/01/02	2/02/02	2/04/02	2/05/02	2/06/02	2/07/02	2/08/02
TSS (Limit ≤ 30 mg/l)	5	4	8	11	15	11	15
O&G (Limit ≤ 15 mg/l)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Fe (Limit ≤ 1.0 mg/l)	0.45	0.55	1.2	1.6	1.8	1.5	1.8
Cu (Limit ≤ 1.0 mg/l)	0.0029	0.0022	<0.001	<0.001	0.0041	0.0029	0.0024
pH (Limit 6.0 - 9.0)	8.77	8.70	7.57	7.35	7.44	7.46	7.50

For this release event, the iron limit was exceeded for the last five of the seven days of the release. No other parameters were exceeded. The probable cause of the iron concentration being above the limit is a combination of the excessive amount of rainfall prior to release of the pond (storm water iron concentrations routinely are above 1mg/l at Sequoyah) and the addition of the sulfuric acid to neutralize the pond. No metal cleaning wastes have been added to this pond in the past seven years which would also support the conclusion that the iron was primarily due to storm water runoff. The pre-release sample gave no indication that iron was close to exceeding the permit limits. As required by the permit, all release analyses were performed after the release had commenced; therefore, the iron permit exceedence would not have been detected in time. As soon as the out of limit iron results were known, the release of the unlined metal cleaning waste pond was terminated.

**Corrective Actions:**

Sequoyah is performing a root cause analysis of this problem. A letter will be sent at a later date detailing our corrective actions.

**Impact to the environment:**

No detectable impact to the environment is expected from this event since release of the UMCWP was to the Low Volume Waste Treatment Pond (LVWTP) which then is released to the Diffuser Pond. This amount of dilution prior to reaching the waters of the U.S.(Tennessee River) was such that any iron concentration would be insignificant. The storm water iron limit for Sector O under the Tennessee Storm Water Multi-Sector General Permit for Industrial Activities is 5 mg/l. The iron concentration released by this event was less than 2 mg/l.



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

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(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
02	02	01

 To 

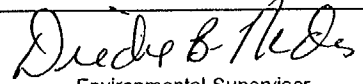
YEAR	MO	DAY
02	02	28

\*\*\* NO DISCHARGE \*\*\* ☒ XX \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Diedre B. Nida

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  Richard T. Purcell  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.	 Diedre B. Nida Environmental Supervisor	TELEPHONE		DATE		
			423	843-6700	02	03	12
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		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 BOX 2000  
(INTEROFFICE SB-2A)  
SODDY - DAVIS TN 37384  
Facility TVA - SEQUOYAH NUCLEAR PLANT  
Location HAMILTON COUNTY

TN0026450  
PERMIT NUMBER

116 G  
DISCHARGE NUMBER

From 02 02 01 To 02 02 28  
MONITORING PERIOD  
YEAR MO DAY

\*\*\* NO DISCHARGE \*\*\*

ATTN: Dieder B. Nida

NOTE: Read instructions before completing this form.

PARAMETER	<div></div>	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM	UNITS			
DEBRIS, FLOATING (SEVERITY)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0	(00)	0	1 / 28	VISUAL	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT NO TOTAL	PASS=0 FAIL=1		SEE PERMIT	VISUAL	
01345 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
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Name TVA - SEQUOYAH NUCLEAR PLANT  
Address BOX 2000  
(INTEROFFICE SB-2A)  
SCOTTY - DAISY TN 37384  
Facility TVA - SEQUOYAH NUCLEAR PLANT  
Location HAMILTON COUNTY

Permit Number TN0026450  
Discharge Number 117 G

Monitoring Period  
From 02 02 01 To 02 02 28  
YEAR MO DAY YEAR MO DAY

\*\*\* NO DISCHARGE \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Dieder B. Nida

PARAMETER	X	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	MINIMUM		AVERAGE	MAXIMUM	UNITS			
DEBRIS, FLOATING (SEVERITY)	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	0	(00)	0	1 / 28	VISUAL
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT MO TOTAL	PASS=0 FAIL=1		SEE PERMIT	VISUAL
01345 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

Name TVA - SEQUOYAH NUCLEAR PLANT  
 Address 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

WASTEWATER & STORM WATER

EFFLUENT


\*\*\* NO DISCHARGE ☒ \*\*\*

NOTE: Read instructions before completing this form.

ATTN: Diedre B. Nida

TN0026450		118 G	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	YEAR
02	02	01	02
From		To	
02 02 01		02 02 28	

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										
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Richard T. Purcell  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.	 Environmental Supervisor SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			423	843-6700	02	03	12
			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.