



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

August 13, 2014

Ms. Christina Morgan  
Tennessee Department of Environment  
and Conservation  
Division of Water Resources  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243

Dear Ms. Morgan:

**TENNESSEE VALLEY AUTHORITY (TVA) - SEQUOYAH NUCLEAR PLANT (SQN) - NPDES  
PERMIT NO. TN0026450 - DISCHARGE MONITORING REPORT (DMR) FOR July 2014**

Enclosed is the July 2014 Discharge Monitoring Report for Sequoyah Nuclear Plant. The turbine building sump (TBS) was discharged directly to the yard drainage pond during the reporting period and was monitored in accordance with the narrative condition found in Part 1.A.2 of the subject permit. The TBS monitoring data is enclosed as Attachment 1.

Also, during the reporting period, Pace Labs was unable to provide analytical results for the July 21 total suspended solids (TSS) sample due to a laboratory error. A back-up sample was sent to Pace Labs, and the results are included in the DMR for that date. A letter of explanation was provided by Pace Labs and is enclosed as Attachment 2. At no time has there been any observed threat to public drinking supplies, to human health, or the environment. If you have any questions or need additional information, please contact Millicent Garland by email at [mrmoore@tva.gov](mailto:mrmoore@tva.gov) or by phone at (423) 843-6714.

*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.*

Sincerely,

John T. Carlin  
Site Vice President  
Sequoyah Nuclear Plant

Enclosures

cc (Enclosures):

Chattanooga Environmental Field Office  
Division of Water Pollution Control  
State Office Building, Suite 550  
540 McCallie Avenue  
Chattanooga, Tennessee 37402-2013

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

IE25  
MRK

S58 140611 800 – NPDES CORRESPONDENCE

August 13, 2014

Ms. Christina Morgan  
Tennessee Department of Environment  
and Conservation  
Division of Water Resources  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 11th Floor  
Nashville, Tennessee 37243

Dear Ms. Morgan:

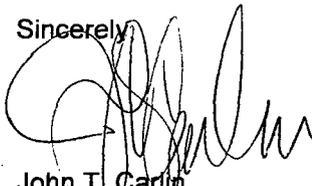
TENNESSEE VALLEY AUTHORITY (TVA) - SEQUOYAH NUCLEAR PLANT (SQN) - NPDES  
PERMIT NO. TN0026450 - DISCHARGE MONITORING REPORT (DMR) FOR July 2014

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Also, during the reporting period, Pace Labs was unable to provide analytical results for the July 21 total suspended solids (TSS) sample due to a laboratory error. A back-up sample was sent to Pace Labs, and the results are included in the DMR for that date. A letter of explanation was provided by Pace Labs and is enclosed as Attachment 2. At no time has there been any observed threat to public drinking supplies, to human health, or the environment. If you have any questions or need additional information, please contact Millicent Garland by email at [mrmoores@tva.gov](mailto:mrmoores@tva.gov) or by phone at (423) 843-6714.

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Sincerely,



John T. Carlin  
Site Vice President  
Sequoyah Nuclear Plant

Enclosures

cc (Enclosures):

Chattanooga Environmental Field Office  
Division of Water Pollution Control  
State Office Building, Suite 550  
540 McCallie Avenue  
Chattanooga, Tennessee 37402-2013

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

B. E. Brickhouse, BR 4A-C  
J. T. Carlin, OPS 4A-SQN  
L.S. Cohen, BR 4A-C

M. McBrearty, OPS 4A-SQN  
D. B. Nida, BR 4A-C  
G. R. Signer, WT 6A-K  
D. A. Day, POB 2A-SQN

Name **TVA - SEQUOYAH NUCLEAR PLANT**  
 Address **P.O. BOX 2000**  
 (INTEROFFICE OPS-5N-SQN)  
**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

DIFFUSER DISCHARGE

EFFLUENT

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

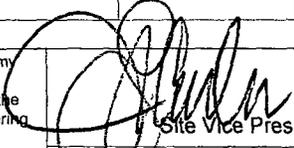
Form Approved.  
 OMB No. 2040-0004

TN0026450			101 G		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
14	07	01	14	07	31

ATTN:Millicent Garland

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	42.2	04	0	31 / 31	RCORDR
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	Req. Mon. DAILY MAX	DEG. C.		CONTI NUOUS	CALCTD
TEMPERATURE, WATER DEG. CENTIGRADE 00010 Z 0 INSTREAM MONITORING	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	29.8	04	0	31 / 31	MODEL D
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	30.5 DAILY MX	DEG. C.		CONTI NUOUS	CALCTD
TEMP. DIFF. BETWEEN SAMP. & UPSTRM DEG.C 00016 1 S EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	**	*****	*****	2	04	0	31 / 31	CALCTD
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	3 DAILY MX	DEG. C.		CONTI NUOUS	CALCTD
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	1757	03	*****	*****	*****	**	0	31 / 31	RCORDR
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MAX	MGD	*****	*****	*****	****		CONTI NUOUS	RCORDR
CHLORINE, TOTAL RESIDUAL 50060 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	**	*****	0.016	0.026	19	0	23 / 31	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	0.1 MO AVG	0.1 DAILY MAX	MG/L		FIVE PER WEEK	CALCTD
TEMPERATURE - C, RATE OF CHANGE 82234 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	0	62	*****	*****	*****	**	0	31 / 31	CALCTD
	PERMIT REQUIREMENT	*****	2 DAILY MX	DEG C/HR	*****	*****	*****	****		CONTI NUOUS	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  John T. Carlin  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.	 Site Vice President	TELEPHONE		DATE		
			423	843-7001	14	08	13
		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 closed mode operation. The following injections occurred: 1. Flogard MS6236 (max calc. conc. was 0.06 mg/L - limit 0.20 mg/L) 2. Biodetergent 73551 (max calc. conc. was 0.03 mg/L - limit 2.0 mg/L). 3. Spectrus CT 1300 (max calc. conc. Was 0.04 mg/L - limit 0.05 mg/L)

Name **TVA - SEQUOYAH NUCLEAR PLANT**  
 Address **P.O. BOX 2000**  
 (INTEROFFICE OPS-5N-SQN)  
**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  
 BIOMONITORING FOR OUTFALL 101  
 EFFLUENT  
 Form Approved. OMB No. 2040-0004

TN0026450 101 T  
 PERMIT NUMBER DISCHARGE NUMBER

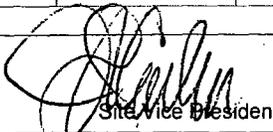
MONITORING PERIOD  
 From 14 07 01 To 14 07 31

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

ATTN:Millicent Garland

NOTE: Read instructions before completing this form.

PARAMETER	X	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 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	****	43.2 MINIMUM	*****	*****	PERCENT		SEMI ANNUAL	COMPOS
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	*****	**	Monitoring Not Required	*****	*****	23			
TRP6C 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	****	43.2 MINIMUM	*****	*****	PERCENT		SEMI ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  John T. Carlin  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.	 Site Vice President SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			423	843-7001	14	08	13
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 Toxicity was not sampled in July 2014.

Name **TVA - SEQUOYAH NUCLEAR PLANT**  
 Address **P.O. BOX 2000**  
 (INTEROFFICE OPS-5N-SQN)  
**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

MONITORING PERIOD  
 From **14 07 01** To **14 07 31**

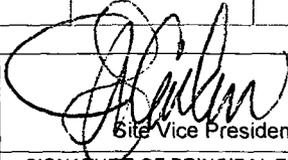
F - FINAL  
 LOW VOL. WASTE TREATMENT POND  
 EFFLUENT

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

ATTN: Millicent Garland

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PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****	**	7	*****	8	12	0	13 / 31	GRAB
00400 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	**	<b>6</b> MINIMUM	*****	<b>9</b> MAXIMUM	SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****	**	*****	4	5	19	0	2 / 31	GRAB
00530 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	**	*****	<b>30</b> MO AVG	<b>100</b> DAILY MX	MG/L		TWICE/ MONTH	GRAB
OIL AND GREASE	SAMPLE MEASUREMENT	*****	*****	**	*****	<5	<5	19	0	2 / 31	GRAB
00556 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	**	*****	<b>15</b> MO AVG	<b>20</b> DAILY MX	MG/L		TWICE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	1.203	2.143	03	*****	*****	*****	**	0	31 / 31	RCORDR
50050 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	<b>Req. Mon. MO AVG</b>	<b>Req. Mon DAILY MX</b>	MGD	*****	*****	*****	**		SEE PERMIT	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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			423	843-7001	14	08	13
			AREA CODE	NUMBER	YEAR	MO	DAY

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

The Turbine Building Sump (TBS) was discharged directly to the Yard Pond (YP) on 7/15/2014 - 7/22/2014. Monitored data is included in Attachment 1.

Facility Name/Address (include Facility Name/Location if Different)  
 Name **TVA - SEQUOYAH NUCLEAR PLANT**  
 Address **P.O. BOX 2000**  
 (INTEROFFICE OPS-5N-SQN)  
**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  
 RECYCLED COOLING WATER  
 EFFLUENT  
 Form Approved. OMB No. 2040-0004

TN0026450	110 G
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
YEAR MO DAY	YEAR MO DAY
From <b>14 07 01</b>	To <b>14 07 31</b>

ATTN: Millicent Garland

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

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		04			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**	*****	*****	<b>REPORT DAILY MX</b>	DEG C		CONTINUOUS	CALCULATED
TEMPERATURE, WATER DEG. CENTIGRADE 00010 2 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		04			
INSTREAM MONITORING	PERMIT REQUIREMENT	*****	*****	**	*****	*****	<b>30.5 DAILY MX</b>	DEG C		CONTINUOUS	CALCULATED
TEMP. DIFF. BETWEEN SAMP. & UPSTRM DEG.C 00016 1 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		04			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**	*****	*****	<b>5 DAILY MX</b>	DEG C		CONTINUOUS	CALCULATED
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0	SAMPLE MEASUREMENT	*****		03	*****	*****	*****	**			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	<b>Req. Mon. DAILY MX</b>	MGD	*****	*****	*****	**		CONTINUOUS	RECORD
CHLORINE, TOTAL RESIDUAL 50060 1 0	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**	*****	<b>0.1 MO AVG</b>	<b>0.1 DAILY MX</b>	MG/L		Five per Week	CALCULATED
TEMPERATURE - C, RATE OF CHANGE 82234 1 0	SAMPLE MEASUREMENT	*****		04	*****	*****	*****	**			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	<b>2 DAILY MX</b>	DEG C	*****	*****	*****	**		CONTINUOUS	CALCULATED
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**John T. Carlin**  
 Site Vice President  
 TYPED OR PRINTED

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 Site Vice President  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
423	843-7001	14	08	13
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 No Discharge this Period

Name **TVA - SEQUOYAH NUCLEAR PLANT**  
 Address **P.O. BOX 2000**  
 (INTEROFFICE OPS-5N-SQN)  
**SODDY - DAISY, TN 37384**  
 Facility **TVA - SEQUOYAH NUCLEAR PLANT**  
 Location **HAMILTON COUNTY**

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

Form Approved. OMB No. 2040-0004  
 (SUBR 01)  
 F - FINAL  
 RECYCLED COOLING WATER  
 EFFLUENT

TN0026450	110 T				
PERMIT NUMBER	DISCHARGE NUMBER				
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
14	07	01	14	07	31

ATTN: Millicent Garland

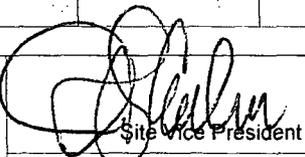
\*\*\* NO DISCHARGE  \*\*\*

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PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	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	*****	*****	**		*****	*****	23			
TRP3B 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	43.2 MINIMUM	*****	*****	PERCENT		SEMI ANNUAL	COMPOS
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	*****	**		*****	*****	23			
TRP6C 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	43.2 MINIMUM	*****	*****	PERCENT		SEMI ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**John T. Carlin**  
**Site Vice President**  
 TYPED OR PRINTED

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 Site Vice President  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
423	843-7001	14	08	13
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 No Discharge this Period

Name **TVA - SEQUOYAH NUCLEAR PLANT**  
 Address **P.O. BOX 2000**  
 (INTEROFFICE OPS-5N-SQN)  
**SODDY - DAISY, TN 37384**  
 Facility **TVA - SEQUOYAH NUCLEAR PLANT**  
 Location **HAMILTON COUNTY**

**TN0026450**      **118 G**  
 PERMIT NUMBER      DISCHARGE NUMBER

(SUBR 01)

OMB No. 2040-0004

MONITORING PERIOD

From 

YEAR	MO	DAY
14	07	01

 To 

YEAR	MO	DAY
14	07	31

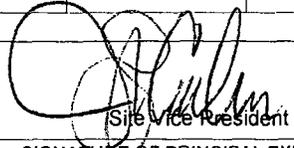
F - FINAL  
 WASTEWATER & STORM WATER  
 EFFLUENT

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

ATTN:Millicent Garland

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	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 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	**		*****	*****	19			
	PERMIT REQUIREMENT	*****	*****	****	<b>2</b>	*****	*****	MG/L		TWICE/WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		19			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	<b>100 DAILY MX</b>	MG/L		TWICE/WEEK	GRAB
SOLIDS, SETTLEABLE 00545 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT	*****	*****	**	*****	*****		25			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	<b>1 DAILY MX</b>	ML/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT			03	*****	*****	*****	**			
	PERMIT REQUIREMENT	<b>Req. Mon. MO AVG</b>	<b>Req. Mon. DAILY MX</b>	MGD	*****	*****	*****	*		ONCE/BATCH	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  John T. Carlin  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.	 (Site Vice President) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			423	843-7001	14	08	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. No Discharge this Period

**TVA Sequoyah Nuclear Plant  
NPDES Permit Number TN0026450  
Attachment 1**

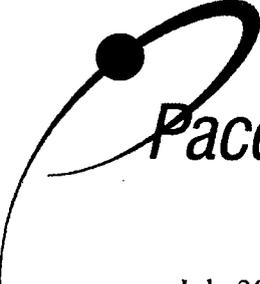
**Turbine Building Sump Monitoring Data**

The turbine building sump was discharged directly to the yard drainage pond from 7/15/2014 to 7/22/2014. During this period, the turbine building sump was monitored in accordance with the narrative condition found in Part 1.A.2 of the NPDES Permit TN0026450. There are no permit limits applicable at this monitoring point, which flows to the yard drainage pond, mixes with other flows in the diffuser pond, then discharges to the Tennessee River at Outfall 101.

<b>Parameter</b>	<b>Daily Minimum</b>	<b>Monthly Average</b>	<b>Daily Maximum</b>	<b>No. of Samples</b>
<b>Flow</b>	-	0.956 MGD	0.967 MGD	7
<b>pH</b>	7.2 s.u.	-	8.7	7
<b>O&amp;G</b>	-	<18.5 mg/L	96.2 mg/L*	7
<b>TSS</b>	-	36.7 mg/L	213 mg/L*	7**

\* Analytical data for samples collected on 7/19/2014 are not representative of the nature of the discharge based on visual observations during time of collection. In addition, samples taken before and after this date are well below the daily allowable maximum. However, a thorough investigation did not identify an apparent cause.

\*\* Analytical data for back-up sample collected on 7/21/2014 is included in the calculations. The hold time for this sample was exceeded due to the laboratory event described in Attachment 2.



**Pace Analytical**<sup>®</sup>

July 30, 2014

Ms. Millicent Garland  
Tennessee Valley Authority  
P.O. BOX 2000  
Sequoyah Access Rd  
Soddy Daisy, TN 37379

RE: Client Project ID: SQN-NPDES Monthly 7/21  
Pace Project ID: 92210704

Dear Ms. Garland:

I am writing in regards to the investigation into why the below sample was not able to be calculated for Total Suspended Solids (TSS). Here is a summary of the investigation into the Total Suspended Solids sample.

Your sample SQN-TBS (92208297) was received by Pace on July 25, 2014. The sample was received by our Pace – Asheville laboratory for the requested analysis. Due to an electronic program malfunction, we were not able to recover the initial filter weight needed to calculate a result for this sample. The laboratory did not have any other samples to utilize for reanalysis. Therefore, we could not provide you with the TSS analysis as requested. We apologize for the inconvenience this has caused.

As a result of this error, our IT department is currently figuring out what happened so we can prevent any future occurrences of this type. We are also implementing a new procedure to have the analysts print out the initial filter weights from the electronic program so that we have them in case there is ever another incident and be able to calculate out the TSS results.

If you have any further questions, please feel free to contact me at (828) 254-7176 or you can e-mail me at [Barry.Johnson@pacelabs.com](mailto:Barry.Johnson@pacelabs.com).

Sincerely,



Barry Johnson  
Quality Manager