PERMITTEE NAME/ADDRESS (Include F Name TVA - SEQUOYAH NUCLE Address P.O. BOX 2000	if Different) — —	NATIONAL POLL	UTANT DISCHA					MAJOR (SUBR 01)			Form Approve OMB No. 204		4	
(INTEROFFICE OPS-5N-SQN)			and the second se	0026450			101	-	F - FINAL					
SODDY - DAISY, TN 37384 Facility TVA - SEQUOYAH NUCLEAR			PERM	IT NUMBER	DI	SCHA	RGE NU	MBER	DIFFUSER DISCH	ARGE				
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			YEAR			YEAR	T T	DAY	*** NO DISCHAF	RGE	***			
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Anthony L. Williams			th a system designed to a tion submitted. Based on				~		2				DATE	
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COMMENTS AND EXPLANATION OF ANY	VIOLATIONS (Refere	nce all attachments I	here)							CODE	1.2			
No closed mode operation. The follow				s 0 031 mg/l	limit is 2	0 mg/) Floga	rd MS62	36 (may calc was 0)	129 ma/l	limit is	0.20 mg/l)	and	

Spectrus CT 1300 (max calc was 0.03 mg/L, limit is 0.050 mg/L). Previous editions may be used

PERMITTEE NAME/ADDRESS (Include For Name TVA - SEQUOYAH NUCLE/		f Different)			ARGE ELIMINATION SY	1 = = = = ,	MAJOR (SUBR 01)			orm Approve MB No. 2040				
Address P.O. BOX 2000 (INTEROFFICE OPS-5N-SQN)			TN	0026450		101 T F - FINAL								
SODDY - DAISY, TN 37384			PERM	IT NUMBER	DISCHAR	BIOMONITORING	RING FOR OUTFALL 101							
FacilityTVA - SEQUOYAH NUCLEAR F Location HAMILTON COUNTY	<u></u>			MON	ITORING PERIOD		EFFLUENT							
ATTN:Millicent Garland			From 18		MO DAY 08 31	*** NO DISCHARGE ** NOTE: Read instructions before c			eting this for	m.				
PARAMETER		QUA	NTITY OR LOADING			QUALITY OR CO	ONCENTRATION		NO. EX	FREQUENCY	Y SAMPLE			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	1			
IC25 STATRE 7DAY CHR CERIODAPHNIA	SAMPLE MEASUREMENT	******	******	**	Monitoring Not Required	*****	******	23						
TRP3B 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	****	****	42.8 MINIMUM	*****	******	PERCENT		SEMI ANNUAL	COMPO	S		
IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	******	**	Monitoring Not Required	*****	******	23						
TRP6C 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	******	****	42.8 MIMINUM	******	*****	PERCENT	•	SEMI ANNUAL	COMPO	S		
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NAME/TITLE PRINCIPAL EXECUTIVE OFF	direction or supe	rvision in accordance w	cument and all attachmen ith a system designed to a	assure that qual	ified personnel	0	22	TELEPHO	JNE		DATE	-		
Anthony L. Williams Site Vice President	persons who man information, the i and complete. I a	nage the system, or tho nformation submitted is am aware that there are	ation submitted. Based on se persons directly respor , to the best of my knowle significant penalties for su	nsible for gather edge and belief, ubmitting false in	ing the true, accurate, nformation, SIGN/		CIPAL EXECUTIVE	423 843	8-7001	18	09 11			
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Toxicity was not sampled in August 2018.

PERMITTEE NAME/ADDRESS (Include <u>Name</u> <u>TVA - SEQUOYAH NUCL</u> Address P.O. BOX 2000		f Different)			ARGE ELIMINATION S		MAJOR (SUBR 01)			orm Approve MB No. 2040			
)		TNC	0026450		103 G	F - FINAL						
Facility TVA - SEQUOYAH NUCLEAR	PLANT		PERM	IT NUMBER	DISCHAR	RGE NUMBER	LOW VOL. WASTE	E TREATME	NT PO	ND			
Location HAMILTON COUNTY					TORING PERIOD		EFFLUENT						
ATTN:Millicent Garland			From 18	MO DAY 08 01		MO DAY 08 31	*** NO DISCHAI		***	leting this for	m		
PARAMETER		QUAN	NTITY OR LOADING			QUALITY OR CO	DNCENTRATION		NO. EX	FREQUENC			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		-	
РН	SAMPLE MEASUREMENT	******	******	**	6.5	******	7.0	12	0	5 / 31	GR	AB	
00400 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	******	******	**	6.0 MINIMUM	******	9.0 MAXIMUM	SU		ONCE/ WEEK	GR	AB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******	**	*******	9.6	9.6	19	0	1/31	GR	AB	
00530 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	******	**	*****	30.0 MO AVG	100.0 DAILY MX	MG/L		ONCE/ MONTH	GR	AB	
OIL AND GREASE	SAMPLE MEASUREMENT	*****	******	**	*****	<4.8	<4.8	19	0	1/31	GR	AB	
00556 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****	**	*****	15.0 MO AVG	20.0 DAILY MX	MG/L		ONCE/ MONTH	GR	AB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.627	0.953	03	*****	******	******	**	0	4 / 31	INST	TAN	
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Anthony L. Williams	properly gather a persons who man	nd evaluate the informat hage the system, or those	h a system designed to a ion submitted. Based on r e persons directly respons to the best of my knowled	my inquiry of the sible for gatherin	person or ing the	Site Vice P	esident	423 84	3-7001	18	09	11	
Site Vice President	and complete. I a	m aware that there are s	ignificant penalties for su onment for knowing violat	bmitting false inf	formation, SIGN		IPAL EXECUTIVE	1.00	1918				
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

The Turbine Building Sump (TBS) was discharged directly to the Yard Pond (YP) on 8/4/18 - 8/15/18 and 8/27/18 - 8/29/18.

PERMITTEE NAME/ADDRESS (Include F Name TVA - SEQUOYAH NUCLE	Different)				ON SYSTEM (NPDES) PORT (DMR)	MAJOR (SUBR 01)			Form Approved. OMB No. 2040-0004		
Address P.O. BOX 2000		_		0000450		440.0	F - FINAL				
(INTEROFFICE OPS-5N-SQN)				0026450		110 G					
SODDY - DAISY, TN 37384 Facility TVA - SEQUOYAH NUCLEAR I			PERM	IT NUMBER	DISC	HARGE NUMBER	RECYCLED COOL		`		
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TEMPERATURE - C, RATE OF CHANGE	SAMPLE MEASUREMENT	******		04	******	*******	******	**			
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Anthony L. Williams	properly gather an persons who mana	nd evaluate the informage the system, or the	ation submitted. Based on se persons directly respon	my inquiry of the sible for gathering	person or g the	Site Vice F	President				
Site Vice President	information, the int and complete. I an	formation submitted is n aware that there are	s, to the best of my knowle significant penalties for su isonment for knowing viola	edge and belief, tru ubmitting talse info	ue, accurate,	SIGNATURE OF PRIN OFFICER OR AUTH	CIPAL EXECUTIVE		3-7001	18	09 11 MO DAY
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COMMENTS AND EXPLANATION OF ANY No Discharge this Period	VIOLATIONS (Referen	nce all attachments	here)								

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT Address P.O. BOX 2000			NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)					MAJOR (SUBR 01)			Form Approved. OMB No. 2040-0004			
Address P.O. BOX 2000 (INTEROFFICE OPS-5N-SQN) SODDY - DAISY, TN 37384				the same to be been shown on	0026450 IIT NUMBER	2	DISCHA	110 RGE NI	No. of Concession, Name of Street, or other	F - FINAL RECYCLED COO	LING WATE	2		
FacilityTVA - SEQUOYAH NUCLEAR P	PLANT	_					S PERIO		OMDER	EFFLUENT				
Location HAMILTON COUNTY				YEAR				MO	DAY	*** NO DISCHA	RGEXX	***		
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IC25 STATRE 7DAY CHR PIMEPHALES	SAMPLE MEASUREMENT	*****	****	****	**	Willy			*****	******	23			
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Anthony L. Williams	direction or superv properly gather an persons who mana	vision in accordance w ad evaluate the informa- age the system, or tho	rith a system de ation submitted. se persons dire	Based on ectly respor	assure that quali my inquiry of the nsible for gatheri	fied person e person or ing the	inel	6	Vin L	President				
Site Vice President	information, the int and complete. I an	formation submitted is n aware that there are	, to the best of significant pen	my knowle alties for si	edge and bellef, t ubmitting false in	true, accur	SIG		E OF PRIN	CIPAL EXECUTIVE				09 11
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) Name TVA - SEQUOYAH NUCLEAR PLANT Address P.O. POX 2000			NATIONAL POLLU	MAJOR Form Approved. (SUBR 01) OMB No. 2040-0004							
Address P.O. BOX 2000 (INTEROFFICE OPS-5N-SQN) SODDY - DAISY, TN 37384				026450	DISCHAR	118 G GE NUMBER	F - FINAL WASTEWATER & S	TORM WA	TER		
Facility TVA - SEQUOYAH NUCLEAR Location HAMILTON COUNTY	PLANT			MON	TORING PERIOD		EFFLUENT				
ATTN:Millicent Garland			From 18	MO DA		MO DAY 08 31	*** NO DISCHARC NOTE: Read instru			eting this form	n
PARAMETER		QUANTITY OR LOADING				QUALITY OR CO		NO. EX	FREQUENCY		
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00300 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	******	******	****	2 MINIMUM	******	******	MG/L		TWICE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******	**	******	******		19			
00530 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	******	******	****	*****	******	100 DAILY MX	MG/L		TWICE/ WEEK	GRAB
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	*****	**	******	******		25			
00545 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	******	*****	****	*****	******	1 DAILY MX	ML/L		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			03	******	******	******	**			
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	I certify under penalty of law that this document and all attachments were prepared under my		IE	LEPHONE	1.	DATE	
Anthony L. Williams	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,	Site Vice President	423	843-7001	18	09	11
	including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED			CODE		(

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 No. TN0026450

Turbine Building Sump Missed Sample

Attachment 1

Description of Non-Compliance and Determination of Cause:

The turbine building sump was aligned to the Yard Pond from Saturday, August 4, to Wednesday, August 15, for repairs to a vent on the discharge piping. This is an authorized discharge pathway per the NPDES permit with weekly sampling required, where a week is defined in the permit as being Monday through Sunday. Due to a misinterpretation of the permit, a sample was not collected prior to Sunday, August 5, at midnight. However during subsequent weeks, samples were collected on Tuesday, August 7, and Monday, August 13, in accordance with the permit. At no time was there a threat to public drinking supplies, to human health, or the environment.

Period of Non-Compliance:

The period of non-compliance began on Saturday, August 4, at approximately 2130 and ended on Sunday, August 5, at midnight.

Steps Taken to Reduce, Eliminate and Prevent Recurrence

SQN has documented the non-compliance in the TVA Corrective Action Program under CR 1437885 and in a Prompt Investigation report, which includes the recommendation that the NPDES permit be reviewed prior to approval of activities involving non-standard operating conditions.

TVA Sequoyah Nuclear Plant NPDES Permit No. TN0026450 Attachment 2

Turbine Building Sump Monitoring Data

During August 2018, the turbine building sump was discharged directly to the yard drainage pond from 8/4/18 - 8/15/18 and 8/27/18 - 8/29/18. During these periods, the turbine building sump was monitored in accordance with the narrative condition found in Part 1A.2 of NPDES Permit TN0026450.

Parameter	Daily				
	Minimum	Average	Maximum	Samples	
Flow	-	1.29 MGD	1.33 MGD	3	
pН	8.16 s.u.	-	8.25 s.u.	3	
O&G	-	<4.8	<4.8	3	
TSS	-	3.93	4.4	3	