

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

July 12, 2017

Chattanooga Environmental Field Office Division of Water Pollution Control 1301 Riverfront Parkway, #206 Chattanooga, Tennessee 37402-2013

TENNESSEE VALLEY AUTHORITY (TVA) - SEQUOYAH NUCLEAR PLANT (SQN) - NPDES PERMIT NO. TN0026450 - DISCHARGE MONITORING REPORT (DMR) FOR June 2017

Enclosed is the June 2017 Discharge Monitoring Report for Sequoyah Nuclear Plant. There were no exceedances during the reporting period. Attachment 1 is enclosed and provides information on a sewage tank overflow that occurred during the reporting period. At no time was there any threat to drinking water supplies, human health, or the environment. If you have any questions or need additional information, please contact Millicent Garland by email at 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.

Anthony L. Williams Site Vice President Seguovah Nuclear Plant

Enclosures

cc (Enclosures): U.S. Nuclear Regulatory Commission Attn: Document Control Desk Washington, DC 20555

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## Attachment 1 .TVA Sequoyah Plant NPDES Permit TN0026450

## **Description and Duration of Event**

On June 15, 2017 at approximately 10:30 am, SQN site personnel observed water overflowing from a sewage holding tank located behind the Switchyard building and into a nearby yard drain. This drain leads to the Yard Pond and from there to the Diffuser Pond. The Diffuser Pond discharges through Outfall 101 to the Tennessee River. The sewage tank had been pumped empty on June 13, 2017, and there was no evidence of sewage on the ground. The cause of the overflow was found to be a toilet that had been "running" for approximately 2 days, which overwhelmed the holding tank with potable water. The water supply to the toilet was cut off on June 15, 2017, at about 10:40 am which prevented further overflow of the sewage tank. A fecal coliform sample was collected at the yard drain, and the resulting bacterial count was 0 colony forming units per 100 mL. At no time was there any threat to public drinking supplies, human health, or the environment.

## **Actions Taken to Mitigate Reoccurrence**

SQN has documented the event in the TVA Corrective Action Program and is in the process of determining corrective actions to reduce or prevent recurrence. Condition Report (CR) 1316248 has been written to develop corrective actions designed to mitigate reoccurrence.

PERMITTEE NAME/ADDRESS (Include Name TVA - SEQUOYAH NUCLI	f Different)	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  DISCHARGE MONITORING REPORT (DMR)					MAJOR (SUBR 01)		Form Approved. OMB No. 2040-0004				
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

No closed mode operation. The following injections occurred: Flogard 6236 (max calc. was 0.03, limit -- 0.20 mg/L, Flogard MS 6237 (max calc. was 0.036 phosphate, limit 0.20 mg/L, and 0.01 zinc, limit - 0.20 mg/L), Spectrus BD 1500 (max calc. was 0.02 mg/L, limit - 2.0 mg/L, Spectrus CT 1300 (max calc. 0.03 mg/L).

PERMITTEE NAME/ADDRESS (Include Name TVA - SEQUOYAH NUCL Address P.O. BOX 2000	Different)	DISC	HARGE MC	ARGE ELIMINATION S	MAJOR (SUBR 01)		Form Approved. OMB No. 2040-0004						
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Toxicity was not sampled in June 2017

PERMITTEE NAME/ADDRESS (Include Fa Name TVA - SEQUOYAH NUCLEA Address P.O. BOX 2000	f Different) 	TN0026450 103 G PERMIT NUMBER DISCHARGE NUMBER							Form Approved. OMB No. 2040-0004				
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EPA Form 3320-1 (REV 3/99)

Previous editions may be used

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

EPA Form 3320-1 (REV 3/99)

PERMITTEE 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			NATIONAL POLLU DISC	MAJOR Form Approve (SUBR 01) OMB No. 204  F - FINAL RECYCLED COOLING WATER					١			
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No Discharge this Period

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  Name TVA - SEQUOYAH NUCLEAR PLANT			NATIONAL POLLU DISC	MAJOR (SUBR 01)	Form Approved. OMB No. 2040-0004						
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Site Vice President the information, the information submitted in accurate, and complete. I am aware that the information, including the possibility of fine

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

AREA CODE

TELEPHONE

DATE

17 07 11

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

Anthony L. Williams