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Tennessee Valley Authority, Sequoyah Nuclear Plant, P.O. Box 2000, Soddy Daisy, TN 37384

January 11, 2024

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Subject: **Sequoyah Nuclear Plant, Discharge Monitoring Report (DMR), October 2023**

Attached is the October 2023 DMR for Sequoyah Nuclear Plant.

Respectfully,

A handwritten signature in black ink, appearing to read "T. R. Markum", is positioned below the word "Respectfully,".

Travis R. Markum  
Environmental Scientist



Pimephales promelas

Value  
NODI

9 - Conditional Monitoring - Not  
Required This Period

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**

No errors.

**Comments**

Method Detection Limit for Total Residual Chlorine is 0.05 mg/L.

**Attachments**

No attachments.

**Report Last Saved By**

**Tennessee Valley Authority (TVA)**

User: TRMARKUM  
Name: Travis Markum  
E-Mail: trmarkum@tva.gov  
Date/Time: 2023-11-13 14:03 (Time Zone: -06:00)

**Report Last Signed By**

User: TMCMUTUA  
Name: Tony McMutuary  
E-Mail: tmcmutuary@tva.gov  
Date/Time: 2023-11-13 15:30 (Time Zone: -06:00)

## DMR Copy of Record

<b>Permit</b>			
<b>Permit #:</b>	<b>TN0026450</b>	<b>Permittee:</b>	Tennessee Valley Authority (TVA)
<b>Major:</b>	Yes	<b>Permittee Address:</b>	1101 Market Street, BR 2C Chattanooga, TN 37402
<b>Permitted Feature:</b>	103 Internal Outfall	<b>Discharge:</b>	<b>103-G</b> Monthly reporting for IMP 103- Low Volume Waste Treatment Pond
<b>Facility:</b>	TVA SEQUOYAH NUCLEAR PLANT (SQN)		
<b>Facility Location:</b>	SEQUOYAH ACCESS ROAD SODDY DAISY SODDY DAISY, TN 37379		

### Report Dates & Status

<b>Monitoring Period:</b>	<b>From 10/01/23 to 10/31/23</b>	<b>DMR Due Date:</b>	<b>11/15/23</b>	<b>Status:</b>	<b>NetDMR Validated</b>
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### Considerations for Form Completion

All parameters require data entry. If a limit violation or NODI code is reported, explain in comments. If value is below detection limit, report NODI B and include detection limit in comments.

### Principal Executive Officer

<b>First Name:</b>	Thomas	<b>Title:</b>	Vice President	<b>Telephone:</b>	423-843-7001
<b>Last Name:</b>	Marshall				

### No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3			
00400	pH	IM - Internal Monitoring Point	0	--	Sample	=	6.7				=	6.7				12 - SU	01/30 - Monthly	GR - GRAB
					Permit Req.	>=	6.0 MINIMUM						<=	9.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - GRAB	
					Value NODI													
00530	Solids, total suspended	IM - Internal Monitoring Point	0	--	Sample	=	16.7				=	17.0			19 - mg/L	01/30 - Monthly	GR - GRAB	
					Permit Req.	<=	30.0 MO AVG						<=	100.0 DAILY MX	19 - mg/L	01/30 - Monthly	GR - GRAB	
					Value NODI													
00552	Oil and grease, hexane extr method	IM - Internal Monitoring Point	0	--	Sample	<	4.8				<	4.8			19 - mg/L	01/30 - Monthly	GR - GRAB	
					Permit Req.	<=	15.0 MO AVG						<=	20.0 DAILY MX	19 - mg/L	01/30 - Monthly	GR - GRAB	
					Value NODI													
50050	Flow, in conduit or thru treatment plant	IM - Internal Monitoring Point	0	--	Sample	=	0.953	=	0.953	03 - MGD						01/30 - Monthly	IN - INSTAN	
					Permit Req.		Req Mon MO AVG			Req Mon DAILY MX	03 - MGD					01/30 - Monthly	IN - INSTAN	
					Value NODI													

### Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### Edit Check Errors

No errors.

### Comments

### Attachments

No attachments.

### Report Last Saved By

Tennessee Valley Authority (TVA)

User: TRMARKUM  
 Name: Travis Markum  
 E-Mail: trmarkum@tva.gov  
 Date/Time: 2023-11-13 14:05 (Time Zone: -06:00)

### Report Last Signed By

User: TMCMUTUA  
 Name: Tony McMutuary  
 E-Mail: tmcmutuary@tva.gov  
 Date/Time: 2023-11-13 15:30 (Time Zone: -06:00)

## DMR Copy of Record

<b>Permit</b>			
<b>Permit #:</b>	<b>TN0026450</b>	<b>Permittee:</b>	Tennessee Valley Authority (TVA)
<b>Major:</b>	Yes	<b>Permittee Address:</b>	1101 Market Street, BR 2C Chattanooga, TN 37402
<b>Permitted Feature:</b>	107 Internal Outfall	<b>Discharge:</b>	<b>107-G</b> Monthly reporting for IMP 107- Metal Cleaning Waste Ponds
<b>Facility:</b>	TVA SEQUOYAH NUCLEAR PLANT (SQN)		
<b>Facility Location:</b>	SEQUOYAH ACCESS ROAD SODDY DAISY SODDY DAISY, TN 37379		

### Report Dates & Status

<b>Monitoring Period:</b>	<b>From 10/01/23 to 10/31/23</b>	<b>DMR Due Date:</b>	<b>11/15/23</b>	<b>Status:</b>	<b>NetDMR Validated</b>
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### Considerations for Form Completion

All parameters require data entry. If a limit violation or NODI code is reported, explain in comments. If value is below detection limit, report NODI B and include detection limit in comments. If routine decanting of stormwater, report NODI 9.

### Principal Executive Officer

<b>First Name:</b>	Thomas	<b>Title:</b>	Vice President	<b>Telephone:</b>	423-843-7001
<b>Last Name:</b>	Marshall				

### No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3
00400	pH	IM - Internal Monitoring Point	0	--	Sample													
					Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	01/01 - Daily	GR - GRAB
					Value NODI						C - No Discharge				C - No Discharge			
00530	Solids, total suspended	IM - Internal Monitoring Point	0	--	Sample													
					Permit Req.					<=	30.0 MO AVG			<=	100.0 DAILY MX	19 - mg/L	01/01 - Daily	CP - COMPOS
					Value NODI						C - No Discharge				C - No Discharge			
00552	Oil and grease, hexane extr method	IM - Internal Monitoring Point	0	--	Sample													
					Permit Req.					<=	15.0 MO AVG			<=	20.0 DAILY MX	19 - mg/L	01/01 - Daily	GR - GRAB
					Value NODI						C - No Discharge				C - No Discharge			
01042	Copper, total [as Cu]	IM - Internal Monitoring Point	0	--	Sample													
					Permit Req.					<=	1.0 MO AVG			<=	1.0 DAILY MX	19 - mg/L	01/01 - Daily	CP - COMPOS
					Value NODI						C - No Discharge				C - No Discharge			
01045	Iron, total [as Fe]	IM - Internal Monitoring Point	0	--	Sample													
					Permit Req.					<=	1.0 MO AVG			<=	1.0 DAILY MX	19 - mg/L	01/01 - Daily	CP - COMPOS
					Value NODI						C - No Discharge				C - No Discharge			

### Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### Edit Check Errors

No errors.

### Comments

### Attachments

No attachments.

### Report Last Saved By

Tennessee Valley Authority (TVA)

User: TRMARKUM  
 Name: Travis Markum  
 E-Mail: trmarkum@tva.gov  
 Date/Time: 2023-11-13 14:06 (Time Zone: -06:00)

### Report Last Signed By

User: TMCMUTUA  
 Name: Tony McMutuary  
 E-Mail: tmcmutuary@tva.gov  
 Date/Time: 2023-11-13 15:30 (Time Zone: -06:00)



Value  
NODI

C - No  
Discharge

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**

No errors.

**Comments**

**Attachments**

No attachments.

**Report Last Saved By**

**Tennessee Valley Authority (TVA)**

User: TRMARKUM  
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Major:	Yes	Permittee Address:	1101 Market Street, BR 2C Chattanooga, TN 37402							Facility Location:	SEQUOYAH ACCESS ROAD SODDY DAISY SODDY DAISY, TN 37379											
Permitted Feature:	118 External Outfall	Discharge:	118-G Monthly Reporting for Internal Outfall 118																			
Report Dates & Status																						
Monitoring Period:	From 10/01/23 to 10/31/23							DMR Due Date:	11/15/23							Status:	NetDMR Validated					
Considerations for Form Completion																						
All parameters require data entry. If pond is not in service, report NODI 9. If a limit violation or NODI code is reported, explain in comments. If value is below detection limit, report NODI B and include detection limit in comments.																						
Principal Executive Officer																						
First Name:	Thomas							Title:	Vice President							Telephone:	423-843-7001					
Last Name:	Marshall																					
No Data Indicator (NODI)																						
Form NODI:	--																					
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type					
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units						
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample																	
					Permit Req.					>=	2.0 MINIMUM					19 - mg/L		02/07 - Twice Every Week	GR - GRAB			
					Value NODI						C - No Discharge											
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample																	
					Permit Req.									<=	100.0 DAILY MX	19 - mg/L		02/07 - Twice Every Week	GR - GRAB			
					Value NODI						C - No Discharge											
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample																	
					Permit Req.									<=	1.0 DAILY MX	25 - mL/L		01/30 - Monthly	GR - GRAB			
					Value NODI						C - No Discharge											
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample																	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									01/BA - Once Per Batch	ES - ESTIMA		
					Value NODI		C - No Discharge		C - No Discharge													
Submission Note																						
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Tennessee Valley Authority (TVA)																						
User:	TRMARKUM																					
Name:	Travis Markum																					
E-Mail:	tmarkum@tva.gov																					
Date/Time:	2023-11-13 14:08 (Time Zone: -06:00)																					
Report Last Signed By																						
User:	TMC MUTUA																					
Name:	Tony McMutuary																					
E-Mail:	tmcmutuary@tva.gov																					
Date/Time:	2023-11-13 15:30 (Time Zone: -06:00)																					