



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

March 09, 2010

State of Tennessee  
Department of Environment and Conservation  
Division of Water Pollution Control  
Enforcement and Compliance Section  
6th Floor, L & C Annex  
401 Church Street  
Nashville, Tennessee 37243-1534

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT – TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP) ANNUAL STORM WATER MONITORING REPORT FOR 2009

Please find enclosed the 2009 Annual Storm Water Monitoring Report for Sequoyah Nuclear Plant TMSP No. TNR050015. In addition, the 30 and 60 day letters previously submitted for storm water outfall numbers 2, 15, and 17 are enclosed for your information. If you have any questions or need additional information, please contact Ann Hurt at (423) 843-6714 or Stephanie Howard at (423) 843-6700 of Sequoyah's Environmental staff.

*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,

Christopher R. Church  
Site Vice President  
Sequoyah Nuclear Plant

Enclosure  
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

1E25  
NRR

SQN 0	QUARTERLY STORM WATER SAMPLING	0-PI-ENV-000-019.Q Rev 6 Page 12 of 14
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**APPENDIX D  
CERTIFICATION AND SIGNATURE**

*"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."*

Signature 

Date: 9 March 2010

Christopher R. Church  
Site Vice President  
Sequoyah Nuclear Plant

<p style="text-align: center;"><b>SQN</b> 0</p>	<p style="text-align: center;"><b>QUARTERLY STORM WATER SAMPLING</b></p>	<p>0-PI-ENV-000-019.Q Rev 6 Page 13 of 14</p>
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**APPENDIX E**

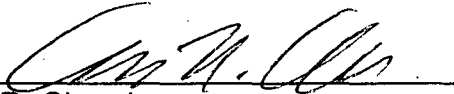
**REPRESENTATIVE DISCHARGE OF STORM WATER POINTS**

Storm Water Outfall # 8 is considered to be a representative discharge of Storm Water Outfall # 5 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall. Storm Water Outfall # 5 consists of approximately 17 acres (740,523 ft<sup>2</sup>). The runoff coefficient for this area is equivalent to that for Storm Water Outfall # 8 based on the percentages of gravel, asphalt, and impervious surfaces. Storm Water Outfall # 5 drains into the effluent for Storm Water Outfall # 8 and there is no dilution of this storm water with any non-storm water source. Therefore, this effluent should be substantially identical to that effluent from Storm Water Outfall # 8.

Storm Water Outfall # 6 is considered to be a representative discharge of Storm Water Outfall # 7 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall. Storm Water Outfall # 7 consists of approximately 6 acres (261,361 ft<sup>2</sup>). The runoff coefficient for this area is equivalent to that for Storm Water Outfall # 6 based on the percentages of gravel, asphalt, and impervious surfaces. Materials in the area are also equivalent to that for Storm Water Outfall # 6. These consist of empty drums, metal buildings, construction equipment, concrete structures, wood and plastic similar to that equipment stored for in the area of Storm Water Outfall # 6. This effluent should be substantially identical to that effluent from Storm Water Outfall # 6.

Storm Water Outfall # 4 is considered to be a representative discharge of Storm Water Outfall # 10 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall. Storm Water Outfall # 10 consists of approximately 10 acres (435,602ft<sup>2</sup>). The runoff coefficient for this area is equivalent to that for Storm Water Outfall # 4 based on the percentages of gravel, asphalt, and impervious surfaces. Material storage is also equivalent to that for Storm Water Outfall # 4. This consists of equipment for later use, metal buildings, concrete structures, wood and plastic similar to that equipment stored for in the area of Storm Water Outfall # 4. This effluent should be substantially identical to that effluent from Storm Water Outfall # 4.

*I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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.*

Signature   
Christopher R. Church  
Site Vice President  
Sequoyah Nuclear Plant

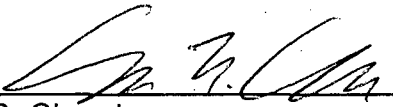
Date 9 March 2010

SQN 0	QUARTERLY STORM WATER SAMPLING	0-PI-ENV-000-019.Q Rev 6 Page 14 of 14
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**APPENDIX F  
ALTERNATIVE CERTIFICATION OF STORM WATER POINTS**

Material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, industrial machinery or operations; significant materials from past industrial activity that are located in areas of the facility within the drainage area of the Storm Water Outfall Numbers 12, 13, 14, and 20 are not presently exposed to storm water and are not expected to be exposed to storm water for the certification period.

*I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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.*

Signature   
Christopher R. Church  
Site Vice President  
Sequoyah Nuclear Plant

Date 9 March 2010



Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	<b>TVA - Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard - Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 1</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>O</b>	Sample Date:	<b>1/28/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3); List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<b>0.60</b>	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2010</b>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

- The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/stwmh2o.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
- If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
- Low Concentration Waiver - When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

**Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records. Submit the original completed and signed form to:**

**Enforcement and Compliance Section  
 Division of Water Pollution Control  
 6<sup>th</sup> Floor, L&C Annex, 401 Church Street  
 Nashville, TN 37243-1534**



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1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00  
Description : Annual Storm NPDES WW Samples  
Sample ID : SW 1  
Collected By : William Earnest  
Collection Date : 01/28/09 09:45

ESC Sample # : L386636-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.60	0.10	mg/l	200.7	02/06/09	1045	428 02/07/09	1855 JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

The reported analytical results relate only to the sample submitted

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Reported: 02/10/09 09:55 Printed: 02/10/09 09:55



Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	<b>TVA – Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard – Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 2</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09 &amp; 6/11/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<b>6.0</b>	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

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<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2010</b>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

- The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/stwmh20.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
- If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
- Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

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**Division of Water Pollution Control**  
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**Nashville, TN 37243-1534**



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-2  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 06:17

ESC Sample # : L383728-01  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	11.	0.10	mg/l	200.7	01/15/09	1507	457 01/16/09.1258	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227; AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

The reported analytical results relate only to the sample submitted  
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Reported: 01/22/09 11:02 Printed: 01/22/09 11:02





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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

June 19, 2009

Date Received : 06/17/09 09:00  
Description : NPDES  
Sample ID : SW 2  
Collected By : WE/BL  
Collection Date : 06/11/09 13:59

ESC Sample # : L408109-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	1.0	0.10	mg/l	200.7	06/19/09 0740	119	06/19/09 1158	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Reported: 06/19/09 13:00 Printed: 06/19/09 13:01



Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 3
List all TMSP sectors which apply to discharge from this outfall:	0	Sample Date:	1/10/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
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Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.17	Total Suspended Solids (TSS)	150	N/A
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<b>Christopher R. Church</b>	<b>Site Vice President</b>		
Printed Name	Official Title	Signature	Date

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 22, 2009

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-3  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 16:22

ESC Sample # : L383728-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.17	0.10	mg/l	200.7	01/15/09 1507	457	01/16/09 1301	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

The reported analytical results relate only to the sample submitted  
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Reported: 01/22/09 11:02 Printed: 01/22/09 11:02



Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 4
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/10/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.46	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE.** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2009</b>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/strmh2o.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

**Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records.  
 Submit the original completed and signed form to:**

**Enforcement and Compliance Section  
 Division of Water Pollution Control  
 6<sup>th</sup> Floor, L&C Annex, 401 Church Street  
 Nashville, TN 37243-1534**



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 22, 2009

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-4  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 16:42

ESC Sample # : L383728-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.46	0.10	mg/l	200.7	01/15/09	1507	457 01/16/09	1304 LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 6
List all TMSP sectors which apply to discharge from this outfall:	0	Sample Date:	1/10/09

**LOW CONCENTRATION WAIVER** (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.

Parameters:

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	2.0	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		9 March 2010
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/stwmh2o.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

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Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-6  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 16:26

ESC Sample # : L383728-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	2.0	0.10	mg/l	200.7	01/15/09 1507	457	01/16/09 1308	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 8
List all TMSP sectors which apply to discharge from this outfall:	0	Sample Date:	1/10/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

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Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.91	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

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<b>Christopher R. Church</b>	<b>Site Vice President</b> <b>Sequoyah Nuclear Plant</b>		<u>9 March 2010</u>
Printed Name	Official Title	Signature	Date

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Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-8  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 16:32

ESC Sample # : L383728-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.91	0.10	mg/l	200.7	01/15/09 1507	457	01/16/09 1311	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
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**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

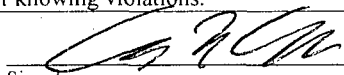
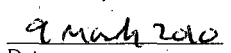
Facility Name:	<b>TVA – Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard – Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 9</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

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Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<0.10	Total Suspended Solids (TSS)	150	N/A
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<b>Christopher R. Church</b>	<b>Site Vice President</b>		
Printed Name	Official Title <b>Sequoyah Nuclear Plant</b>	Signature	Date

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Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-9  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 16:40

ESC Sample # : L383728-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	BDL	0.10	mg/l	200.7	01/15/09 1507	457	01/16/09 1235	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Reported: 01/22/09 11:02 Printed: 01/22/09 11:02



Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

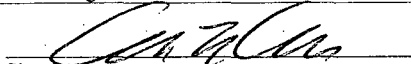
Facility Name:	<b>TVA – Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard – Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 11</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<b>0.54</b>	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2010</b>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

- The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/stwmh2o.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
- If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
- Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records.  
 Submit the original completed and signed form to:

**Enforcement and Compliance Section**  
**Division of Water Pollution Control**  
**6<sup>th</sup> Floor, L&C Annex, 401 Church Street**  
**Nashville, TN 37243-1534**



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Mt. Juliet, TN 37122  
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1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-11  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 17:00

ESC Sample # : L383728-07

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.54	0.10	mg/l	200.7	01/15/09 1523	428	01/21/09 1043	ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

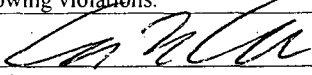
Facility Name:	<b>TVA - Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard - Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 15</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>2/02/09 &amp; 6/11/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

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Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<b>3.85</b>	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2010</b>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

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 6<sup>th</sup> Floor, L&C Annex, 401 Church Street  
 Nashville, TN 37243-1534**



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00  
Description : Annual Storm NPDES WW Samples  
Sample ID : SW 15  
Collected By : William Earnest  
Collection Date : 02/02/09 09:20

ESC Sample # : L386636-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	6.9	0.10	mg/l	200.7	02/06/09 1045	428	02/07/09 1851	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- EH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Reported: 02/10/09 09:55 Printed: 02/10/09 09:55



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Fax (615) 758-5859  
Tax I.D. 62-0814289  
Est. 1970

REPORT OF ANALYSIS

June 19, 2009

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

Date Received : 06/17/09 09:00  
Description : NPDES  
Sample ID : SW 15  
Collected By : WE/BL  
Collection Date : 06/11/09 13:05

ESC Sample # : L408109-01  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.80	0.10	mg/l	200.7	06/17/09	1750	102 06/18/09 0220	DMM

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
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Notes:

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Reported: 06/19/09 13:00 Printed: 06/19/09 13:00





Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 16
List all TMSP sectors which apply to discharge from this outfall:	0	Sample Date:	1/28/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.12	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

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<b>Christopher R. Church</b>	<b>Site Vice President</b>		<u>9 March 2009</u>
Printed Name	Official Title Sequoyah Nuclear Plant	Signature	Date

**INSTRUCTIONS**

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Fax (615) 758-5859  
Tax I.D. 62-0814289  
Est. 1970

REPORT OF ANALYSIS

February 10, 2009

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

Date Received : 02/05/09 12:00  
Description : Annual Storm NPDES WW Samples  
Sample ID : SW 16  
Collected By : William Earnest  
Collection Date : 01/28/09 09:26

ESC Sample # : L386636-02  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.12	0.10	mg/l	200.7	02/06/09 1043	428	02/07/09 2045	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
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Notes:

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 17
List all TMSP sectors which apply to discharge from this outfall:	0	Sample Date:	2/02/09 & 6/11/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived. Parameters:			

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Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	3.295	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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<b>Christopher R. Church</b>	<b>Site Vice President</b>		<u>9 March 2010</u>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

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2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

**Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records.  
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**Division of Water Pollution Control**  
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Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00  
Description : Annual Storm NPDES WW Samples  
Sample ID : SW 17  
Collected By : William Earnest  
Collection Date : 02/02/09 08:40

ESC Sample # : L386636-01  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.7	0.10	mg/l	200.7	02/06/09 1043	428	02/07/09 2041	JBC

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)  
Laboratory Certification Numbers:  
AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:  
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REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

June 19, 2009

Date Received : 06/17/09 09:00  
Description : NPDES  
Sample ID : SW 17  
Collected By : WE/BL  
Collection Date : 06/11/09 13:25

ESC Sample # : 1408109-02  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep.	PID	Analyzed	AID
Iron	0.89	0.10	mg/l	200.7	06/19/09 0740	119	06/19/09 1155	JBC

BDL - Below Detection Limit  
Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:  
AIHA - 09227, AL - 40660, CA - 1-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

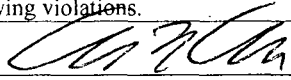
Facility Name:	<b>TVA – Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard – Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 18</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<0.10	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2010</b>
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-18  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 17:14

ESC Sample # : L383728-08

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	BDL	0.10	mg/l	200.7	01/15/09 1523	428	01/21/09 1046	ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 19
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/10/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

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Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.68	Total Suspended Solids (TSS)	150	N/A
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REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-19  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 17:28

ESC Sample # : L383728-09

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.68	0.10	mg/l	200.7	01/15/09	1523	428 01/21/09	1049 ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

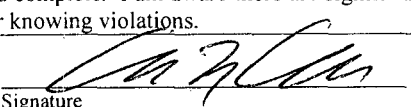
Facility Name:	<b>TVA - Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard - Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 21</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
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Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
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<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2009</b>
Printed Name	Official Title	Signature	Date

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REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-21  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 17:34

ESC Sample # : L383728-10  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	BDL	0.10	mg/l	200.7	01/15/09	1523	428 01/21/09	1106 ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
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**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	<b>TVA - Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard - Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 22</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

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Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.24	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

- The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/stmh2o.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
- If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
- Low Concentration Waiver - When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

**Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records. Submit the original completed and signed form to:**

**Enforcement and Compliance Section  
 Division of Water Pollution Control  
 6<sup>th</sup> Floor, L&C Annex, 401 Church Street  
 Nashville, TN 37243-1534**



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-22  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 17:40

ESC Sample # : L383728-11

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.24	0.10	mg/l	200.7	01/15/09	1523	428 01/21/09	1109 ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

The reported analytical results relate only to the sample submitted  
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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard – Environmental Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2009	Outfall Number:	SW 23
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/10/09
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

**DIRECTIONS:** In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters that apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Benchmark (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Benchmark (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.064	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.82	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

**CERTIFICATION AND SIGNATURE** Make all entries in ink. This report must be signed by a responsible corporate officer for a corporation, a general partner for a partnership, the proprietor for a sole proprietorship, or a principal executive officer or ranking elected official for a public agency.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

<b>Christopher R. Church</b>	<b>Site Vice President</b>		9 March 2009
Printed Name	Official Title	Signature	Date

**INSTRUCTIONS**

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only one sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at <http://state.tn.us/environment/permits/stwmh2o.shtml>). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than one sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2007 calendar year is due by March 31, 2008.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the benchmark concentration, the permittee must inform The Division of Water Pollution Control's (the Division's) local Environmental Field Office (EFO) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the benchmark concentrations for that parameter, and submit to the local EFO a summary of the proposed SWPPP modifications (including a timetable for implementation).
3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first four calendar years of monitoring is less than the benchmark concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

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 6<sup>th</sup> Floor, L&C Annex, 401 Church Street  
 Nashville, TN 37243-1534**



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Est. 1970

**REPORT OF ANALYSIS**

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-23  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 17:25

ESC Sample # : L383728-12  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.82	0.10	mg/l	200.7	01/15/09	1523	428 01/21/09 1113	ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

**Notes:**

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Department of Environment and Conservation - Division of Water Pollution Control  
**ANNUAL STORM WATER MONITORING REPORT**  
 for Storm Water Discharges Associated with Industrial Activity under the  
**TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)**

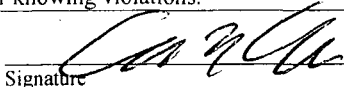
Facility Name:	<b>TVA – Sequoyah Nuclear Plant</b>	TMSP Number:	<b>TNR050015</b>
Contact Person:	<b>Stephanie A. Howard – Environmental Manager SQN/WBN</b>	Phone Number:	<b>423-843-6700</b>
This report is submitted for the following calendar year (e.g. 2007):	<b>2009</b>	Outfall Number:	<b>SW 24</b>
List all TMSP sectors which apply to discharge from this outfall:	<b>0</b>	Sample Date:	<b>1/10/09</b>
<b>LOW CONCENTRATION WAIVER</b> (See Instructions Note 3): List all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived.			
Parameters:			

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Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.15	N/A	Nickel, Total	0.875	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0021	N/A	Oil and Grease	15	N/A
Chromium, Total	1.8	N/A	pH	5.0-9.0	N/A
COD	120	N/A	Phenols	0.016	N/A
Copper, Total	0.018	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.022	N/A	Selenium, Total	0.005	N/A
Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	<b>0.10</b>	Total Suspended Solids (TSS)	150	N/A
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<b>Christopher R. Church</b>	<b>Site Vice President</b>		<b>9 March 2010</b>
Printed Name	Official Title	Signature	Date

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Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-24  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 16:25

ESC Sample # : L383728-13

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.10	0.10	.mg/l	200.7	01/15/09	1523	428 01/21/09	1003 ESC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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

February 19, 2009

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

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT - TENNESSEE STORM WATER MULTI-SECTOR GENERAL PERMIT FOR INDUSTRIAL ACTIVITIES PERMIT NO. TNR050000 SECTOR O EXCEEDANCE OF THE MONITORING CUT-OFF CONCENTRATION

Please find enclosed the thirty day notification and the lab analysis for the exceedance of the monitoring cut-off concentration for total recoverable iron for Storm Water Outfall Nos. 2, 15, and 17.

Description of Event

Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Sector O requires annual monitoring of total recoverable iron. Sequoyah Nuclear Plant sampled for total recoverable iron on January 10, 2009 and February 2, 2009. The storm water analytical monitoring results were received on January 22, 2009 and February 10, 2009. The cut-off concentration for total recoverable iron is 5.0 mg/L, as stated in Table O-1, Monitoring Requirements for Steam Electric Power Generating Facilities. The analytical monitoring results for Storm Water Outfalls Nos. 2, 15 and 17 were 11mg/L, 6.9mg/L, and 5.7mg/L respectively. See table below:

Storm Water Outfall No.	Sample Date	Received Result	Result	Cut-off Concentration
2	01/10/2009	01/22/2009	11mg/L	5.0mg/L
15	02/02/2009	02/10/2009	6.9mg/L	5.0mg/L
17	02/02/2009	02/10/2009	5.7mg/L	5.0mg/L

The Tennessee Storm Water Multi-Sector General Permit for Industrial Activities requires notifying the Division's local Environmental Assistance Center within 30 days from the time storm water monitoring results were received, describing the likely cause of the exceedance.

Likely Causes of the Exceedance

The likely causes of the exceedances of the cut-off concentration for total recoverable iron are elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling) and the need for additional best management practices (BMPs).

Sequoyah will enhance our BMPs such as adding more rip rap and gravel in the area to ensure that soil is adequately covered.

Please contact me at (423) 843-6700 or by email at [sahoward@tva.gov](mailto:sahoward@tva.gov) if you have any questions or need additional information.

Sincerely,



Stephanie A. Howard  
Principal Environmental Engineer  
Signatory Authority for  
Timothy P. Cleary  
Site Vice President  
Sequoyah Nuclear Plant

Enclosure  
cc (Enclosure):

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



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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25  
Description : Annual Stormwater NPDES WW Samples  
Sample ID : SW-2  
Collected By : Amanda Holmes  
Collection Date : 01/10/09 06:17

ESC Sample # : L383728-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	11.	0.10	mg/l	200.7	01/15/09	1507	457 01/16/09	1258 LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233.  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0214289

Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O. Box 2000  
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00  
Description : Annual Storm NPDES WW Samples  
Sample ID : SW 15  
Collected By : William Earnest  
Collection Date : 02/02/09 09:20

ESC Sample # : L386636-03  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	6.9	0.10	mg/l	200.7	02/06/09 1045	428	02/07/09 1851	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Reported: 02/10/09 09:55 Printed: 02/10/09 09:55



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Est. 1970

REPORT OF ANALYSIS

Ann Hurt  
TVA-Sequoyah Nuclear Plant  
P.O.Box 2000  
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00  
Description : Annual Storm NPDES WW Samples  
Sample ID : SW 17  
Collected By : William Earnest  
Collection Date : 02/02/09 08:40

ESC Sample # : L386636-01  
Site ID :  
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.7	0.10	mg/l	200.7	02/06/09 1043	428	02/07/09 2041	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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Reported: 02/10/09 09:55 Printed: 02/10/09 09:55



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

March 17, 2009

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

**TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT - TENNESSEE  
STORM WATER MULTI-SECTOR GENERAL PERMIT FOR INDUSTRIAL ACTIVITIES  
PERMIT NO. TNR050000 SECTOR O EXCEEDANCE OF THE MONITORING CUT-  
OFF CONCENTRATION**

This letter provides the sixty day notification of the review of Sequoyah Nuclear Plant's Storm Water Pollution Prevention Plan (SWPPP) and summary of the Best Management Practices (BMPs) modifications and additions concerning the monitoring cut-off concentration for total recoverable iron for Storm Water Outfall Nos. 2, 15, and 17.

**Description of Event**

Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Sector O requires annual monitoring of total recoverable iron. Sequoyah Nuclear Plant (SQN) sampled for total recoverable iron on January 10, 2009 and February 2, 2009. The storm water analytical monitoring results were received on January 22, 2009 and February 10, 2009. The cut off concentration for total recoverable iron is 5.0 mg/L, as stated in Table O-1, Monitoring Requirements for Steam Electric Power Generating Facilities. The analytical monitoring results for Storm Water Outfalls Nos. 2, 15 and 17 were 11.0 mg/L, 6.9 mg/L, and 5.7 mg/L respectively. See table below:

Storm Water Outfall No.	Sample Date	Received Result	Result	Cut-off Concentration
2	01/10/2009	01/22/2009	11.0 mg/L	5.0 mg/L
15	02/02/2009	02/10/2009	6.9 mg/L	5.0 mg/L
17	02/02/2009	02/10/2009	5.7 mg/L	5.0 mg/L

### **Likely Causes of the Exceedance**

The likely causes of the exceedances of the cut-off concentration for total recoverable iron are elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling) and the need for additional BMPs, as discussed in the thirty day notification letter dated February 19, 2009.

### **Preventative Measures taken to Minimize a Reoccurrence:**

Sequoyah Nuclear Plant's SWPPP has been reviewed to determine the modifications and additions to the plan which would assist in reducing the iron effluent concentration of Storm Water Outfall Nos. 2, 15, and 17.

#### **Storm Water No. 2**

Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of crushed stone, gravel, pavement and grass. Drainage ditches are equipped with check dams as BMPs.

The following modifications were made: The roads have been re-graveled. New rip rap has been added to the check dams in the drainage ditch and general housekeeping/cleaning has taken place in the area around Storm Water No. 2. Storm water sampling and analysis will be conducted during 2009 to determine if these modifications and additions have been effective and if additional measures should be taken.

#### **Storm Water No. 15**

Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of rip-rap, grass, and hay bales. Rock lined drainage ditches are equipped with check dams as BMPs.

The following modifications were made: New rip rap has been placed around the inlet to the pipe and general housekeeping/cleaning has taken place in the area around Storm Water No. 15. Storm water sampling and analysis will be conducted during 2009 to determine if these modifications and additions have been effective and if additional measures should be taken.

#### **Storm Water No. 17**

Per the SQN SWPPP, ground cover and erosion controls consist of pavement, gravel, and rip rap in this drainage area.

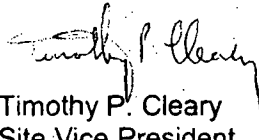
The following modifications were made: New rip rap has been added in the drainage ditch and general housekeeping/cleaning has taken place in the area around Storm Water No. 17. Storm water sampling and analysis will be conducted during 2009 to determine if these modifications and additions have been effective and if additional measures should be taken.



If you have any questions or need additional information, please contact Ann Hurt at (423) 843-6714 or Stephanie Howard at (423) 843-6700 of Sequoyah's Environmental staff.

*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,



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Site Vice President  
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