



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

March 23, 2011

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 2010**

Please find enclosed the 2010 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 1, 2, 15, and 17 are enclosed for your information. If you have any questions or need additional information, please contact Brad Love 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,

Michael D. Skaggs
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

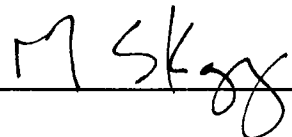
IEOS
NRK

SQN Unit 0	QUARTERLY STORM WATER SAMPLING	0-PI-ENV-000-019.Q Rev. 0008 Page 14 of 16
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Appendix D
(Page 1 of 1)

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: 3/22/11

Michael D. Skaggs
Site Vice President
Sequoyah Nuclear Plant

SQN Unit 0	QUARTERLY STORM WATER SAMPLING	0-PI-ENV-000-019.Q Rev. 0008 Page 15 of 16
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**Appendix E
(Page 1 of 1)**

REPRESENTATIVE STORM WATER OF DISCHARGE POINTS

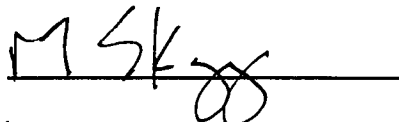
Storm Water Outfall # 8 is considered to be a representative discharge of Storm Water Outfall # 5 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall. Storm Water Outfall # 5 consists of approximately 17 acres (740,523 ft²). 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 ft²). 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 (435,602ft²). 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 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:

3/22/11

Michael D. Skaggs
Site Vice President
Sequoyah Nuclear Plant

SQN Unit 0	QUARTERLY STORM WATER SAMPLING	0-PI-ENV-000-019.Q Rev. 0008 Page 16 of 16
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**Appendix F
(Page 1 of 1)**

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 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 M Skaggs Date: 3/22/11

Michael D. Skaggs
Site Vice President
Sequoyah Nuclear Plant



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 1
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	3/11/10 & 8/17/10
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	10.4	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.

Michael D. Skaggs	Site Vice President		3/22/11
Printed Name	Sequoyah Nuclear Plant Official Title		

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



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859
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Est. 1970

REPORT OF ANALYSIS

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

March 19, 2010

Date Received : 03/18/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW 1
Collected By : MW/CR
Collection Date : 03/11/10 11:40

ESC Sample # : L449866-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	12.	0.10	mg/l	200.7	03/18/10 1103	501	03/18/10 2137	ALT

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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REPORT OF ANALYSIS

March 26, 2010

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

Date Received : 03/23/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW 1
Collected By : M/W/C
Collection Date : 03/11/10 11:40

ESC Sample # : L450627-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	11.	0.10	mg/l	200.7	03/23/10 1603	117	03/25/10 1712	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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REPORT OF ANALYSIS

Lynn Koby
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

August 30, 2010

Date Received : 08/19/10 11:00
Description : Annual Stormwater NPDES WW Samples
Sample ID : SW-1
Collected By : Amanda Holmes
Collection Date : 08/17/10 11:38

ESC Sample # : L474674-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	8.2	0.10	mg/l	200.7	08/20/10 0947	509	08/30/10 1119	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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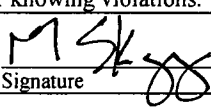
Department of Environment and Conservation - Division of Water Pollution Control
ANNUAL STORM WATER MONITORING REPORT
for Storm Water Discharges Associated with Industrial Activity under the
TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 2
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	3/2/10 & 8/17/10
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)
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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	5.8	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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Michael D. Skaggs	Site Vice President	
Printed Name	Sequoyah Nuclear Plant	
	Official Title	Date 3/22/11

INSTRUCTIONS

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6th Floor, L&C Annex, 401 Church Street
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REPORT OF ANALYSIS

Stephanie Howard
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

March 07, 2010

Date Received : 03/04/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW-2
Collected By : Maggie Williams
Collection Date : 03/02/10 12:53

ESC Sample # : L447701-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	6.3	0.10	mg/l	200.7	03/04/10 1504	457	03/05/10 1432	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
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

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REPORT OF ANALYSIS

March 10, 2010

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

Date Received : 03/09/10 09:00
Description : TVA-SQN
Sample ID : SW2
Collected By : Maggie Williams
Collection Date : 03/02/10 12:53

ESC Sample # : L448311-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	4.3	0.10	mg/l	200.7	03/09/10 1117	501	03/09/10 1959	ALT

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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Est. 1970

REPORT OF ANALYSIS

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

March 12, 2010

Date Received : 03/03/10 09:00
Description : NPDES WW Samples
Sample ID : SW 2
Collected By : Maggie Williams
Collection Date : 03/02/10 12:53

ESC Sample # : L448890-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.5	0.10	mg/l	200.7	03/11/10 1536	388	03/12/10 0334	ALT

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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Tax I.D. 62-0814289
Est. 1970

REPORT OF ANALYSIS

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

March 12, 2010

Date Received : 03/03/10 09:00
Description : NPDES WW Samples
Sample ID : SW 2
Collected By : Maggie Williams
Collection Date : 03/02/10 12:53

ESC Sample # : L448890-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.2	0.10	mg/l	200.7	03/11/10 1536	388	03/12/10 0337	ALT

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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Est. 1970

REPORT OF ANALYSIS

March 12, 2010

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

Date Received : 03/09/10 09:00
Description : NPDES WW Samples
Sample ID : SW 2
Collected By : Maggie Williams
Collection Date : 03/02/10 12:53

ESC Sample # : L448890-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.2	0.10	mg/l	200.7	03/11/10 1536	388	03/12/10 0340	ALT

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: 03/12/10 13:02 Printed: 03/12/10 13:02



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REPORT OF ANALYSIS

March 12, 2010

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

Date Received : 03/09/10 09:00
Description : NPDES WW Samples
Sample ID : SW 2
Collected By : Maggie Williams
Collection Date : 03/02/10 12:53

ESC Sample # : L448890-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.2	0.10	mg/l	200.7	03/11/10 1536	388	03/12/10 0344	ALT

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

August 30, 2010

Lynn Koby
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

Date Received : 08/19/10 11:00
Description : Annual Stormwater NPDES WW Samples
Sample ID : SW-2
Collected By : Amanda Holmes
Collection Date : 08/17/10 11:02

ESC Sample # : L474674-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	8.6	0.10	mg/l	200.7	08/20/10 0947	509	08/30/10 1122	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, IN - 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: 08/30/10 13:31 Printed: 08/30/10 14:49



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 3
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	0.29	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.	
Michael D. Skaggs	Site Vice President
Printed Name	Sequoyah Nuclear Plant
	Official Title
	Signature
	Date 3/22/10

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.

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
6th Floor, L&C Annex, 401 Church Street
Nashville, TN 37243-1534



17065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859
Tax I.D. 62-0814289
Est. 1970

REPORT OF ANALYSIS

January 29, 2010

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

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 3
Collected By : Maggie Williams
Collection Date : 01/20/10 12:15

ESC Sample # : L442140-01

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.29	0.10	mg/l	200.7	01/27/10 1451	449	01/28/10 1208	ST

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: 01/29/10 12:48 Printed: 01/29/10 12:49



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 4
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	1.6	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.

Michael D. Skaggs	Site Vice President		3/22/11
Printed Name	Sequoyah Nuclear Plant Official Title		

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/stmrh2o.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
6th Floor, L&C Annex, 401 Church Street
Nashville, TN 37243-1534**



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Est. 1970

REPORT OF ANALYSIS

January 29, 2010

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

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 4
Collected By : Maggie Williams
Collection Date : 01/20/10 12:36

ESC Sample # : L442140-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	1.6	0.10	mg/l	200.7	01/27/10 1451	449	01/28/10 1212	ST

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: 01/29/10 12:48 Printed: 01/29/10 12:49



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 6
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	1.6	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.		
Michael D. Skaggs	Site Vice President Sequoyah Nuclear Plant	
Printed Name	Official Title	Signature
		Date 3/22/11

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/stmrh2o.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.
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Est. 1970

REPORT OF ANALYSIS

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

January 29, 2010

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 6
Collected By : Maggie Williams
Collection Date : 01/20/10 12:25

ESC Sample # : L442140-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	1.6	0.10	mg/l	200.7	01/27/10 1451	449	01/28/10 1215	ST

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)

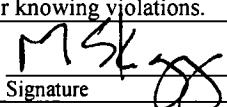
Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 8
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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

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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.

Michael D. Skaggs	Site Vice President		3/22/11
Printed Name	Sequoyah Nuclear Plant 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/sturmh2o.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
6th Floor, L&C Annex, 401 Church Street
Nashville, TN 37243-1534**



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REPORT OF ANALYSIS

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

January 29, 2010

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 8
Collected By : Maggie Williams
Collection Date : 01/20/10 13:14

ESC Sample # : L442140-04

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	2.0	0.10	mg/l	200.7	01/27/10 1451	449	01/28/10 1218	ST

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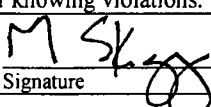
Department of Environment and Conservation - Division of Water Pollution Control
ANNUAL STORM WATER MONITORING REPORT
 for Storm Water Discharges Associated with Industrial Activity under the
TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 9
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	0.17	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.	
Michael D. Skaggs Printed Name	Site Vice President Sequoyah Nuclear Plant Official Title
 Signature	3/22/11 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/stmrh2o.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
6th Floor, L&C Annex, 401 Church Street
Nashville, TN 37243-1534



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

REPORT OF ANALYSIS

January 29, 2010

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

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 9
Collected By : Maggie Williams
Collection Date : 01/20/10 12:30

ESC Sample # : L442140-05

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.17	0.10	mg/l	200.7	01/27/10 1451	449	01/28/10 1040	ST

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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 11
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	0.53	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.	
Michael D. Skaggs	Site Vice President Sequoyah Nuclear Plant
Printed Name	Signature
	Date 3/22/11

INSTRUCTIONS

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REPORT OF ANALYSIS

January 29, 2010

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

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 11
Collected By : Maggie Williams
Collection Date : 01/20/10 12:42

ESC Sample # : L442140-06

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.53	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1357	ALT

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: 01/29/10 12:48 Printed: 01/29/10 12:49



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 15
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	3/11/10 & 8/17/10
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	8.3	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.	
Michael D. Skaggs	Site Vice President
Printed Name	Sequoyah Nuclear Plant
	Official Title
	Signature <i>M Skaggs</i>
	Date <i>3/22/11</i>

INSTRUCTIONS

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REPORT OF ANALYSIS

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

March 19, 2010

Date Received : 03/18/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW 15
Collected By : MW/CR
Collection Date : 03/11/10 11:22

ESC Sample # : L449866-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	7.4	0.10	mg/l	200.7	03/18/10 1103	501	03/18/10 2134	ALT

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: 03/19/10 14:51 Printed: 03/19/10 14:51



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Est. 1970

REPORT OF ANALYSIS

March 26, 2010

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

Date Received : 03/23/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW 15
Collected By : M/W/C
Collection Date : 03/11/10 11:22

ESC Sample # : L450627-02

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	7.6	0.10	mg/l	200.7	03/23/10 1603	117	03/25/10 1715	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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REPORT OF ANALYSIS

Lynn Koby
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

August 30, 2010

Date Received : 08/19/10 11:00
Description : Annual Stormwater NPDES WW Samples
Sample ID : SW-15
Collected By : Amanda Holmes
Collection Date : 08/17/10 11:20

ESC Sample # : L474674-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	FID	Analyzed	AID
Iron	10.	0.10	mg/l	200.7	08/20/10 C947	509	08/30/10 1140	ESC

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

Laboratory Certification Numbers:
AIHA - 09227, AL - 40660, CA - I-2327, CI- 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: 08/30/10 13:31 Printed: 08/30/10 14:49

**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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 16
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	3/2/10
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	0.17	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.	
Michael D. Skaggs	Site Vice President
Sequoyah Nuclear Plant	
Printed Name	Official Title
	Signature
	Date 3/22/10

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/stnmh2o.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:

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6th Floor, L&C Annex, 401 Church Street
Nashville, TN 37243-1534



12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859
Tax I.D. 62-0814289
Est. 1970

REPORT OF ANALYSIS

March 07, 2010

Stephanie Howard
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

Date Received : 03/04/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW-16
Collected By : Maggie Williams
Collection Date : 03/02/10 12:36

ESC Sample # : L447701-02

Site ID :
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.17	0.10	mg/l	200.7	03/04/10 1504	457	03/05/10 1435	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
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

The reported analytical results relate only to the sample submitted

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 03/07/10 07:53 Printed: 03/07/10 07:53



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 17
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	3/11/10
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	6.6	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.

Michael D. Skaggs	Site Vice President		3/22/11
Printed Name	Sequoyah Nuclear Plant Official Title		

INSTRUCTIONS

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- 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).
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**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:**

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Division of Water Pollution Control
6th Floor, L&C Annex, 401 Church Street
Nashville, TN 37243-1534



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Mt. Juliet, TN 37122
(615) 758-5858
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Fax (615) 758-5859
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Est. 1970

REPORT OF ANALYSIS

March 19, 2010

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

Date Received : 03/18/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW17
Collected By : MW/CR
Collection Date : 03/11/10 11:08

ESC Sample # : L449866-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	6.2	0.10	mg/l	200.7	03/18/10 1103	501	03/18/10 2131	ALT

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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Fax (615) 758-5859

Tax I.D. 62-0814209

Est. 1970

REPORT OF ANALYSIS

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

March 26, 2010

Date Received : 03/23/10 09:00
Description : Annual Storm Water NPDES WW Samples
Sample ID : SW 17
Collected By : M/W/C
Collection Date : 03/11/10 11:08

ESC Sample # : L450627-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	6.9	0.10	mg/l	200.7	03/23/10 1603	117	03/25/10 1718	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: 03/26/10 11:52 Printed: 03/26/10 11:53



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 18
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	1.4	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.		
Michael D. Skaggs	Site Vice President	
Printed Name	Sequoyah Nuclear Plant Official Title	
		Date 3/22/11

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/surmh2o.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.
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1-800-767-5859
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Tax I.D. 62-0814289
Est. 1970

REPORT OF ANALYSIS

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

January 29, 2010

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 18
Collected By : Maggie Williams
Collection Date : 01/20/10 14:15

ESC Sample # : L442140-07

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	1.4	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1400	ALT

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - EB7487, 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: 01/29/10 12:48 Printed: 01/29/10 12:49



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)

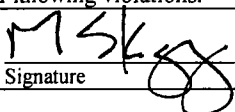
Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 19
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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
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Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	1.4	Total Suspended Solids (TSS)	150	N/A
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Michael D. Skaggs	Site Vice President		3/22/11
Printed Name	Sequoyah Nuclear Plant Official Title		
		Signature	Date

INSTRUCTIONS

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REPORT OF ANALYSIS

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

January 29, 2010

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 19
Collected By : Maggie Williams
Collection Date : 01/20/10 14:04

ESC Sample # : I442140-08

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	1.4	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1403	ALT

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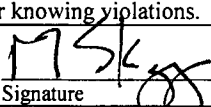
Department of Environment and Conservation - Division of Water Pollution Control
ANNUAL STORM WATER MONITORING REPORT
for Storm Water Discharges Associated with Industrial Activity under the
TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)

Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 21
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	0.42	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.		
Michael D. Skaggs	Site Vice President Sequoyah Nuclear Plant	
Printed Name	Official Title	Signature
		Date 3/22/11

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/stmrh2o.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.
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- 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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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 29, 2010

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

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 21
Collected By : Maggie Williams
Collection Date : 01/20/10 13:45

ESC Sample # : L442140-09

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.42	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1326	ALT

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

Notes:

The reported analytical results relate only to the sample submitted

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Reported: 01/29/10 12:48 Printed: 01/29/10 12:49



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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 22
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	2.4	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.	
Michael D. Skaggs Printed Name	Site Vice President Sequoyah Nuclear Plant Official Title
	Signature <i>MSK</i>
	Date 3/22/11

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/srmh2o.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.
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- 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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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

January 29, 2010

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

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 22
Collected By : Maggie Williams
Collection Date : 01/20/10 13:38

ESC Sample # : L442140-10

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	2.4	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1406	ALT

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
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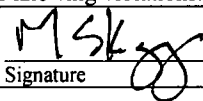
Facility Name:	TVA - Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 23
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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	2.2	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.

Michael D. Skaggs	Site Vice President		3/22/11
Printed Name	Sequoyah Nuclear Plant 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/stmrh2o.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.
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REPORT OF ANALYSIS

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

January 29, 2010

Date Received : 01/27/10 09:00
Description : NPDES WW Samples
Sample ID : SW 23
Collected By : Maggie Williams
Collection Date : 01/20/10 13:35

ESC Sample # : L442140-11

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	2.2	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1409	ALT

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 - Env. Program Manager SQN/WBN	Phone Number:	423-843-6700
This report is submitted for the following calendar year (e.g. 2007):	2010	Outfall Number:	SW 24
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	1/20/10
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:			

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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
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Fluoride	1.8	N/A	Silver, Total	0.0038	N/A
Iron, Total	5.0	0.73	Total Suspended Solids (TSS)	150	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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Michael D. Skaggs

Site Vice President
Sequoyah Nuclear Plant
Official Title

Printed Name

Signature

Date

INSTRUCTIONS

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Nashville, TN 37243-1534



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REPORT OF ANALYSIS

January 29, 2010

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

ESC Sample # : L442140-12

Date Received : 01/27/10 09:00
Description : NPDES WW Samples

Site ID :

Sample ID : SW 24

Project # :

Collected By : Maggie Williams
Collection Date : 01/20/10 12:20

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	0.73	0.10	mg/l	200.7	01/27/10 1502	388	01/28/10 1413	ALT

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

April 01, 2010

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. TNR050015 SECTOR O EXCEEDANCE OF THE BENCHMARK MONITORING REQUIREMENT.

Please find enclosed the thirty day notification and the lab analysis for the exceedance of the benchmark monitoring requirement for total recoverable iron for Storm Water Outfall Nos. 1, 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 March 2, 2010 and March 11, 2010. The storm water analytical monitoring results were received on March 8, 2010 and March 19, 2010. The analytical monitoring results for Storm Water Outfalls Nos. 1, 2, 15 and 17 exceeded the benchmark monitoring requirement for total recoverable iron as stated in Table O-2, Benchmark Monitoring Requirements for Steam Electric Power Generating Facilities.

Storm Water Outfall No. 2 was sampled for total recoverable iron on March 2, 2010 and results were received on March 8, 2010. The analytical monitoring result for Storm Water Outfall No. 2 was 6.3mg/L. The backup sample for Storm Water Outfall No. 2 was sent for analysis on March 8, 2010 and results were received on March 10, 2010. The backup analytical monitoring result for Storm Water Outfall No. 2 was 4.3mg/L. Since the backup sample result was below the benchmark of 5.0mg/L, SQN had the original and the backup samples reanalyzed. The original sample was reanalyzed and the iron results were 5.5mg/L and 5.2mg/L. The backup sample was reanalyzed and the iron results were 5.2mg/L and 5.2mg/L. The average of the six analytical monitoring results for Storm Water Outfall No. 2 was 5.3mg/L. (See Table 1)

Storm Water Outfall Nos. 1, 15, and 17 were sampled for total recoverable iron on March 11, 2010 and results were received on March 19, 2010. The analytical monitoring results for Storm Water Outfall Nos. 1, 15, and 17 were 12.0mg/L, 7.4mg/L, and 6.2mg/L respectively. Backup samples for Storm Water Outfall Nos. 1, 15, and 17 were sent for analysis on March 22, 2010 and results were received on March 26, 2010. The backup analytical monitoring results for Storm Water Outfall Nos. 1, 15, and 17 were 11.0mg/L, 7.6mg/L, and 6.9mg/L respectively. The average analytical monitoring results for Storm Water Outfall Nos. 1, 15, and 17 were 11.5mg/L, 7.5mg/L, and 6.6mg/L respectively. (See Table 1)

TABLE 1						
Storm Water Outfall No.	Sample Date	Received Date	Original Sample Results (mg/L)	Backup Sample Results (mg/L)	Average Sample Results (mg/L)	Benchmark Monitoring Requirement (mg/L)
1	3/11/2010	3/19/2010	12.0	11.0	11.5	5.0
2	3/02/2010	3/08/2010	6.3, 5.5, 5.2	4.3, 5.2, 5.2	5.3	5.0
15	3/11/2010	3/19/2010	7.4	7.6	7.5	5.0
17	3/11/2010	3/19/2010	6.2	6.9	6.6	5.0

The Tennessee Storm Water Multi-Sector General Permit for Industrial Activities requires informing the division's local Environmental Field Office (EFO) within 30 days from the time storm water monitoring results were received, describing the likely cause of the exceedance(s).

Likely Cause of the Exceedance(s)

The likely cause of the exceedances(s) of the benchmark monitoring requirement for total recoverable iron is elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling) and the need for more effective best management practices (BMPs). Sequoyah is examining the use of more effective filtration methods at these outfalls.

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.

Sincerely,



Christopher R. Church
Site Vice President
Sequoyah Nuclear Plant

Enclosures

cc (Enclosures):

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



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

May 04, 2010

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.
TNR050015 SECTOR O EXCEEDANCE OF THE BENCHMARK MONITORING REQUIREMENT**

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 exceedance of the benchmark monitoring requirement for total recoverable iron for Storm Water Outfall Nos. 1, 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 March 2, 2010 and March 11, 2010. The storm water analytical monitoring results were received on March 8, 2010 and March 19, 2010. The analytical monitoring results for Storm Water Outfalls Nos. 1, 2, 15 and 17 exceeded the benchmark monitoring requirement for total recoverable iron as stated in Table O-2, Benchmark Monitoring Requirements for Steam Electric Power Generating Facilities.

Storm Water Outfall No. 2 was sampled for total recoverable iron on March 2, 2010 and results were received on March 8, 2010. The analytical monitoring result for Storm Water Outfall No. 2 was 6.3mg/L. The backup sample for Storm Water Outfall No. 2 was sent for analysis on March 8, 2010 and results were received on March 10, 2010. The backup analytical monitoring result for Storm Water Outfall No. 2 was 4.3mg/L. Since the backup sample result was below the benchmark of 5.0mg/L, SQN had the original and the backup samples reanalyzed. The original sample was reanalyzed and the iron results were 5.5mg/L and 5.2mg/L. The backup sample was reanalyzed and the iron results were 5.2mg/L and 5.2mg/L. The average of the six analytical monitoring results for Storm Water Outfall No. 2 was 5.3mg/L. (See Table 1)

Storm Water Outfall Nos. 1, 15, and 17 were sampled for total recoverable iron on March 11, 2010 and results were received on March 19, 2010. The analytical monitoring results for Storm Water Outfall Nos. 1, 15, and 17 were 12.0mg/L, 7.4mg/L, and 6.2mg/L respectively. Backup samples for Storm Water Outfall Nos. 1, 15, and 17 were sent for analysis on March 22, 2010 and results were received on March 26, 2010. The backup analytical monitoring results for Storm Water Outfall Nos. 1, 15, and 17 were 11.0mg/L, 7.6mg/L, and 6.9mg/L respectively. The average analytical monitoring results for Storm Water Outfall Nos. 1, 15, and 17 were 11.5mg/L, 7.5mg/L, and 6.6mg/L respectively. (See Table 1)

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15	3/11/2010	3/19/2010	7.4	7.6	7.5	5.0
17	3/11/2010	3/19/2010	6.2	6.9	6.6	5.0

Likely Cause of the Exceedance(s)

The likely cause of the exceedances of the benchmark monitoring requirement for total recoverable iron is elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling) and the need for more effective best management practices (BMPs). Sequoyah is examining the use of more effective filtration methods at these outfalls, as discussed in the thirty day notification letter dated April 1, 2010.

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. 1, 2, 15, and 17.

Storm Water No. 1

Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of rip-rap and grass.

The following modifications will be made within 60 days: The area will be reseeded and new booms will be added around Storm Water No. 1. Storm water sampling and analysis will be conducted during 2010 to determine if these modifications and additions have been effective and if additional measures should be taken.

Storm Water No. 2

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

The following modifications were made: New hay bales and booms have been placed in the drainage ditch and general housekeeping has taken place in the area around Storm Water No. 2. Storm water sampling and analysis will be conducted during 2010 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 and grass. Rock lined drainage ditches are equipped with check dams as BMPs.

The following modifications were made: New booms have been placed in the drainage ditch and general housekeeping has taken place in the area around Storm Water No. 15. Gravel will be added to the drainage ditch within 60 days. Storm water sampling and analysis will be conducted during 2010 to determine if these modifications and additions have been effective and if additional measures should be taken.

Storm Water No. 17

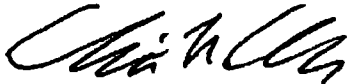
Per the SQN SWPPP, ground cover and erosion controls consist of pavement, gravel, and rip rap in this drainage area.

The following modifications were made: New hay bales and silt fencing have been added in the drainage ditch and general housekeeping has taken place in the area around Storm Water No. 17. Storm water sampling and analysis will be conducted during 2010 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,



Christopher R. Church
Site Vice President
Sequoyah Nuclear Plant

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



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

September 21, 2010

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. TNR050015 SECTOR O EXCEEDANCE OF THE BENCHMARK MONITORING REQUIREMENT.

Please find enclosed the thirty day notification and the lab analysis for the exceedance of the benchmark monitoring requirement for total recoverable iron at Storm Water Outfall Nos. 1, 2, and 15.

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 re-sampled for total recoverable iron on August 17, 2010 based on high iron results earlier in the year (reference thirty day notification dated April 01, 2010). The analytical monitoring results for Storm Water Outfalls Nos. 1, 2, and 15 exceeded the benchmark monitoring requirement for total recoverable iron as stated in Table O-2, Benchmark Monitoring Requirements for Steam Electric Power Generating Facilities. Storm water 17 has not been re-sampled, to date, due to the lack of a qualifying event and/or no flow conditions.

TABLE 1						
Storm Water Outfall No.	Sample Date	Received Date	Original Sample Results (mg/L)	Backup Sample Results (mg/L)	Average Sample Results (mg/L)	Benchmark Monitoring Requirement (mg/L)
1	3/11/2010	3/19/2010	12.0	11.0	11.5	5.0
resample 1	8/17/2010	8/30/2010	8.2	-	-	5.0
2	3/02/2010	3/08/2010	6.3, 5.5, 5.2	4.3, 5.2, 5.2	5.3	5.0
resample 2	8/17/2010	8/30/2010	8.6	-	-	5.0
15	3/11/2010	3/19/2010	7.4	7.6	7.5	5.0
resample 15	8/17/2010	8/30/2010	10	-	-	5.0

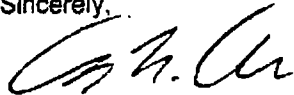
The Tennessee Storm Water Multi-Sector General Permit for Industrial Activities requires informing the division's local Environmental Field Office (EFO) within 30 days from the time storm water monitoring results were received, describing the likely cause of the exceedance(s).

Likely Cause of the Exceedance(s)

The likely cause of the exceedances(s) of the benchmark monitoring requirement for total recoverable iron is elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling). The placement of gravel, booms, and/or hay bales, in addition to general housekeeping occurred earlier in the year. However, a walk down of the outfalls revealed the need for additional ground cover such as gravel and rip rap on exposed soil.

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

Sincerely,



Christopher R. Church
Site Vice President
Sequoyah Nuclear Plant

Enclosures

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



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

October 19, 2010

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. TNR050015 SECTOR O EXCEEDANCE OF THE BENCHMARK MONITORING REQUIREMENT.

Please find enclosed 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 for the exceedance of the benchmark monitoring requirement for total recoverable iron at Storm Water Outfall Nos. 1, 2, and 15.

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 re-sampled for total recoverable iron on August 17, 2010 based on high iron results earlier in the year (reference thirty day notification dated April 01, 2010). The analytical monitoring results for Storm Water Outfalls Nos. 1, 2, and 15 exceeded the benchmark monitoring requirement for total recoverable iron as stated in Table O-2, Benchmark Monitoring Requirements for Steam Electric Power Generating Facilities. Storm water 17 has not been re-sampled, to date, due to the lack of a qualifying event and/or no flow conditions.

TABLE 1						
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resample 2	8/17/2010	8/30/2010	8.6	-	-	5.0
15	3/11/2010	3/19/2010	7.4	7.6	7.5	5.0
resample 15	8/17/2010	8/30/2010	10	-	-	5.0

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 at Storm Water Outfall Nos. 1, 2, and 15. A brief summary of the proposed modifications, including a timetable for implementation, follows.

Storm Water No. 1

Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of rip-rap and grass.

The following modifications will be made by 12/31/10: Gravel will be added to the base of the hill prior to the culvert and rip rap will be added to the drainage ditch.

Storm Water No. 2

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

The following modifications will be made by 12/31/10: More gravel will be added prior to the inlet of the pipe. Rip rap will be added in the area approaching the guard rail.

Storm Water No. 15

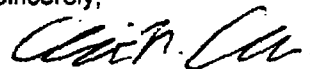
Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of rip-rap and grass. Rock lined drainage ditches are equipped with check dams as BMPs.

The following modifications will be made by 12/31/10: Gravel or seed will be added along the fence line in the bare spots. Also, at the north end of the fence line, improvements will be made to increase drainage.

If you have any questions or need additional information, please contact 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

SAH

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