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

March 4, 2004

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

Gentlemen:

SEQUOYAH NUCLEAR PLANT – TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP) ANNUAL STORM WATER MONITORING REPORT FOR 2003

Enclosed is the 2003 Annual Storm Water Monitoring Report for Sequoyah Nuclear Plant TMSP TNR050015. Please contact me at (423) 843-6700 if you have any questions or comments.

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.

Sincerely,

Stephanie A. Howard

Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
Richard T. Purcell
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

IE25

Printed on recycled paper

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 1
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.6	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 4 calendar years of monitoring is less than the cut-off 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 of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #1
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14235
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:53 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.6	mg/L	0.01	09/05/2003	17:47	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 2
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.4	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #2
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

pH (Field):

Sample ID: AD14236
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:13 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.4	mg/L	0.01	09/05/2003	18:03	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 3
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:			

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Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.9	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

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Report of Results: NPDES

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Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #3
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14237
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:51 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.9	mg/L	0.01	09/05/2003	18:08	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 4
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:			

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Fluoride	1.8	N/A	Silver, Total	0.032	N/A
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Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

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Shipping Address:
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North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #4
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14238
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:23 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.3	mg/L	0.01	09/05/2003	18:13	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Storm Water Representative Discharge Certification

Storm Water Outfall # 8 is considered to be a representative discharge of Storm Water Outfall # 5 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall.

Storm Water Outfall # 5 consists of approximately 17 acres (740,523 ft^2). 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.

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Stephanie A. Howard

Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
Richard T. Purcell
Site Vice President
Sequoyah Nuclear Plant

March 4, 2004
Date

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 6
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	3.5	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 4 calendar years of monitoring is less than the cut-off 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 of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address:	Ann Hurt	Sample ID:	AD14239
	SB 2A-SQN	LRF ID:	03090044
Phone:	Not Available	Matrix:	Water
Fax :	Not Available	Date Collected:	09/03/2003
E-Mail:	SQN Environmental	Time Collected:	17:20 EST
Location Code:	SQN	Date Received:	09/04/2003
Field ID:	SW #6	Time Received:	8:06
Sample Description:	IRON	Project Manager:	Lisa D. Ortiz
Permit Number:		Plant:	SQN
Discharge Number:		Project Account Code:	000WQNY
Method of Transport:		Regulation:	NPDES
Cont. Flow (MGD):	pH (Field):		

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	3.5	mg/L	0.01	09/05/2003	18:18	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Storm Water Representative Discharge Certification

Storm Water Outfall # 6 is considered to be a representative discharge of Storm Water Outfall # 7 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall.

Storm Water Outfall # 7 consists of approximately 6 acres (261,361 ft^2). 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.

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.

Stephanie A. Howard

Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
Richard T. Purcell
Site Vice President
Sequoyah Nuclear Plant

March 4, 2004
Date

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 8
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	0.98	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 4 calendar years of monitoring is less than the cut-off 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 of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #8
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14240
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 16:58 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	0.98	mg/L	0.01	09/05/2003	18:23	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 9
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.1	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A. Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #9
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

pH (Field):

Sample ID: AD14241
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:57 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.1	mg/L	0.01	09/05/2003	18:28	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Storm Water Representative Discharge Certification

Storm Water Outfall # 4 is considered to be a representative discharge of Storm Water Outfall # 10 based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the Outfall.

Storm Water Outfall # 10 consists of approximately 10 acres (435,602ft^2). The runoff coefficient for this area is equivalent to that for Storm Water Outfall # 4 based on the percentages of gravel, asphalt, and impervious surfaces. Material storage is also equivalent to that for Storm Water Outfall # 4. This consists of equipment for later use, metal buildings, concrete structures, wood and plastic similar to that equipment stored for in the area of Storm Water Outfall # 4.

This effluent should be substantially identical to that effluent from Storm Water Outfall # 4.

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Stephanie A. Howard

Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
Richard T. Purcell
Site Vice President
Sequoyah Nuclear Plant

March 4, 2004
Date

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 11
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:			

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Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	0.07	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A. Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

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Submit the original of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #11
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14242
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 18:04 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	0.07	mg/L	0.01	09/05/2003	18:34	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Storm Water Alternative Certification

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

I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Stephanie A. Howard

Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
Richard T. Purcell
Site Vice President
Sequoyah Nuclear Plant

March 4, 2004
Date

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 15
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	2.1	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 4 calendar years of monitoring is less than the cut-off 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 of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax: Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #15
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

pH (Field):

Sample ID: AD14243
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:42 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	2.1	mg/L	0.01	09/05/2003	18:39	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 16
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.0	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A. Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
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3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first 4 calendar years of monitoring is less than the cut-off 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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Submit the original of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876-4318 • Fax: (423) 876-4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax: Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #16
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14244
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:46 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.0	mg/L	0.01	09/05/2003	18:45	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 17
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	0.96	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #17
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14245
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 18:00 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	0.96	mg/L	0.01	09/05/2003	18:51	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 18
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.3	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

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3. Low Concentration Waiver – When the average concentration for a pollutant calculated from monitoring data collected from the first 4 calendar years of monitoring is less than the cut-off 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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Submit the original of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #18
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14246
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 19:05 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.3	mg/L	0.01	09/05/2003	19:07	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 19
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:			

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Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.8	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

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2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 4 calendar years of monitoring is less than the cut-off 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 of the 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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #19
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

pH (Field):

Sample ID: AD14247
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 19:08 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.8	mg/L	0.01	09/05/2003	19:13	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 21
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	1.4	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A. Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J &H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). 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 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use ½ 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 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrates that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) 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 monitoring cut-off concentrations for that parameter, and submit to the local EAC 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 4 calendar years of monitoring is less than the cut-off 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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Enforcement and Compliance Section
Division of Water Pollution Control
6th Floor L&C Annex, 401 Church Street
Nashville, TN 37243-1534

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #21
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14248
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 17:33 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	1.4	mg/L	0.01	09/05/2003	19:18	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 22
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (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:			

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 which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.

Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75	N/A	Magnesium, Total	0.0636	N/A
Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	3.2	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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.

Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

Instructions

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

Data Report Number: 030908-142825
Report of Results: NPDES

TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801
Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax: Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #22
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

pH (Field):

Sample ID: AD14249
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 19:14 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	3.2	mg/L	0.01	09/05/2003	19:23	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit

Department of Environment and Conservation - Division of Water Pollution Control
Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	TVA – Sequoyah Nuclear Plant	TMSP Number:	TNR050015
Contact Person:	Stephanie A. Howard	Phone Number:	423 843-6700
This report is submitted for the following calendar year (e.g. 2002):	2003	Outfall Number:	SW # 23
List all TMSP sectors which apply to discharge from this outfall:	O	Sample Date:	09/03/2003
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:			

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Ammonia	4.0	N/A	Mercury, Total	0.0024	N/A
Arsenic, Total	0.16854	N/A	Nickel, Total	2.679	N/A
BOD, 5-Day	30	N/A	Nitrate + Nitrite Nitrogen	0.68	N/A
Cadmium, Total	0.0159	N/A	Oil and Grease	15	N/A
COD	120	N/A	pH	5.0-9.0	N/A
Copper, Total	0.0636	N/A	Phosphorus, Total (as P)	2.0	N/A
Cyanide, Total	0.064	N/A	Selenium, Total	0.2385	N/A
Fluoride	1.8	N/A	Silver, Total	0.032	N/A
Iron, Total	5.0	2.2	Total Suspended Solids (TSS)	200	N/A
Lead, Total	0.156	N/A	Zinc, Total	0.395	N/A

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Stephanie A. Howard, Principal Environmental Engineer - Signatory Authority for Richard T. Purcell Site Vice President Sequoyah Nuclear Plant	Stephanie A Howard	March 4, 2003
Printed Name and Title of Authorized Agent	Signature of Authorized Agent	Date

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Data Report Number: 030908-142825
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Shipping Address:
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Ann Hurt
SB 2A-SQN
Phone: Not Available
Fax : Not Available
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW #23
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD): pH (Field):

Sample ID: AD14250
LRF ID: 03090044
Matrix: Water
Date Collected: 09/03/2003
Time Collected: 19:20 EST
Date Received: 09/04/2003
Time Received: 8:06
Project Manager: Lisa D. Ortiz
Plant: SQN
Project Account Code: 000WQNY
Regulation: NPDES

Analyte	CAS Number[1]	Result	Units	MDL[2]	Analysis Date	Analysis Time	Analyst	Method Reference
Metals Digestion for ICP		Complete			09/05/2003	9:14	MAA	
Iron, Total	7439-89-6	2.2	mg/L	0.01	09/05/2003	19:29	LMJ	EPA 200.7

Sample Comments: None

[1] Chemical Abstracts Service Registry Number [2] Method Detection Limit