



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

March 10, 2003

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

Dear Sir:

**TENNESSEE VALLEY AUTHORITY - TENNESSEE MULTI-SECTOR GENERAL PERMIT 2002
STORM WATER MONITORING REPORT FOR SEQUOYAH NUCLEAR PLANT (SQN)**

Please find enclosed the 2002 Tennessee Multi-Sector Monitoring Report for SQN. Please note the following comments concerning the storm water monitoring for 2002.

Storm Water outfall number 2 had a total iron cut-off concentration exceedance of 6.2 mg/L. Please find enclosed the 30-day and 60-day notifications to the Chattanooga EAC office concerning this exceedance. Also, please find enclosed the laboratory analysis reports for all outfalls monitored.

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Michael G. Beavers
Acting Environmental Supervisor
Signatory Authority for
Richard T. Purcell
Vice President
Sequoyah Nuclear Plant

Enclosures
cc (Enclosures):

Chattanooga Environmental Assistance Center
Division of Water Pollution Control
State Office Building, Suite 550
540 McCallie Avenue
Chattanooga, Tennessee 37402-2013

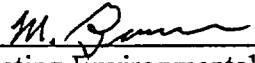
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

IE25

Addition of Storm Water Points 22 and 23

Storm water outfalls 22 and 23 were identified and added to the list of storm water points. Storm water point 22 takes drainage from an area of approximately 2 acres or 87120 ft². This drainage area is impervious. Storm water point 23 takes drainage from an area of approximately 4 acres or 174240 ft². Three acres of this area are pervious with the remaining 1 acre being impervious.

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 3-11-03
Acting Environmental Supervisor Date
Signatory Authority for
Richard Purcell
Site Vice President

Representative Discharge Certification

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

Storm Water Outfall #10 consists of approximately a 5 acre (217,801 ft²) portion of Area 3. The runoff coefficient for this area is equivalent to that for Storm Water Outfall #4 based on the percentages of gravel, asphalt, and impervious surface. 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 #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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

M. Bann 5-11-03
Acting Environmental Supervisor

Representative Discharge Certification

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

Storm Water Outfall #7 consists of approximately a 7.43 acre (323,652 ft²) portion of Area 4. The runoff coefficient for this area is equivalent to that for Storm Water Outfall #6 based on the percentages of gravel, asphalt, and impervious surface. 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 #6.

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

M. Berman 1 3-11-03
Acting Environmental Supervisor

Representative Discharge Certification

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

Storm Water Outfall #5 consists of approximately a 1 acre (43,560 ft²) portion of Area 4. The runoff coefficient for this area is equivalent to that for Storm Water Outfall #8 based on the percentages of gravel, asphalt, and impervious surface. Storm Water Outfall #5 drains into the effluent for Storm Water #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 #8.

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

M. B. [Signature] 1 3-11-03
Acting Environmental Supervisor



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

December 23, 2002

Chattanooga Environmental Assistance Center
Division of Water Pollution Control
State Office Building, Suite 550
540 McCallie Avenue
Chattanooga, Tennessee 37402-2013

Attention: Mike Kelley

Dear Mr. Kelley:

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

Please find enclosed the thirty day notification and the lab analysis for the exceedance of the monitoring cut-off concentration for total recoverable iron for Storm Water Outfall No. 2.

Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Beavers'.

Michael G. Beavers
Acting Environmental Supervisor
Signatory Authority for
Richard T. Purcell
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 - Sequoyah Nuclear Plant - Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities Permit No. TNR050000 Sector O
Exceedance of the Monitoring Cut-Off Concentration

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 November 15, 2002. The storm water analytical monitoring results were received on December 5, 2002. As stated in Table O-1, Monitoring Requirements for Steam Electric Power Generating Facilities, the cut-off concentration for total recoverable iron is 5.0 mg/L. The analytical monitoring results for Storm Water Outfall No. 2 showed a total recoverable iron concentration of 6.2 mg/L.

Likely Causes of the Exceedance:

Likely causes of the exceedance of the cut-off concentration for total recoverable iron are: (1) Background iron concentrations in the soil in the area of Storm Water Outfall No. 2 and/or (2) Increased industrial activity in the area surrounding Storm Water Outfall No. 2 due to the Steam Generator Replacement Project scheduled to be completed June 2003.

Certification Statement:

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Signature M. Beavers
Michael G. Beavers

Title Acting Environmental Supervisor
Acting Environmental Supervisor



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

January 29, 2003

Chattanooga Environmental Assistance Center
Division of Water Pollution Control
State Office Building, Suite 550
540 McCallie Avenue
Chattanooga, Tennessee 37402-2013

Attention: Mike Kelley

Dear Mr. Kelley:

SEQUOYAH NUCLEAR PLANT - TENNESSEE STORM WATER MULTI-SECTOR
GENERAL PERMIT FOR INDUSTRIAL ACTIVITIES - SECTOR O TNR050000
STORM WATER MONITORING REQUIREMENTS FOR STEAM ELECTRIC POWER
GENERATING FACILITIES CUT-OFF CONCENTRATION LIMIT EXCEEDANCE
CORRECTIVE ACTION PLAN

Please find enclosed the storm water discharge for the Sequoyah Nuclear Plant total recoverable iron cut-off limit exceedance corrective action plan.

Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink that reads "M. Beavers".

Michael G. Beavers
Acting Environmental Supervisor
Signatory Authority for
Richard T. Purcell
Site Vice President
Sequoyah Nuclear Plant

Enclosure

cc (Enclosure):

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

Tennessee Valley Authority Sequoyah Nuclear Plant - Tennessee Storm Water Multi-Sector
General Permit for Industrial Activities Sector O Permit No. TNR 050000
Exceedance of the Monitoring Cut-Off Concentration Limit Corrective Action Plan

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 November 15, 2002. The storm water analytical monitoring results were received on December 5, 2002. As stated in Table O-1, Monitoring Requirements for Steam Electric Power Generating Facilities, the cut-off concentration for total recoverable iron is 5.0 mg/L. The analytical monitoring results for Storm Water Outfall No. 2 showed a total recoverable iron concentration of 6.2 mg/L.

Preventative Measures Taken to Minimize a Reoccurrence:

Sequoyah Nuclear Plant's Storm Water Pollution Prevention Plan (SWPPP) has been reviewed to determine the modifications or additions to the plan which would assist in reducing the iron effluent concentration of Storm Water Outfall No. 2. Per the SWPPP, check dams are currently in place in the drainage ditch leading to Storm Water Outfall No. 2. These check dams are to be increased in height and grading of the ditch is to be performed to decrease the likelihood of storm water pooling at Outfall No. 2. This grading and increase of the check dams is to be implemented by February 14, 2003. Soil samples were taken in the area of Storm Water Outfall No. 2 and analyzed for total iron to attempt to determine if background iron could be a causal factor for high iron concentrations at Outfall No. 2. The analytical results show a total iron concentration of 11,000 mg/Kg in the soil. The analytical results are attached. After review of these results, it was determined that the likely cause of the total iron cut off limit exceedance was due to soil runoff in the area of Storm Water Point No. 2. As a result of these modifications and additions to the Best Management Practices (BMPs), the total iron concentration at Storm Water Outfall No. 2 should be reduced. Storm water sampling and analysis during 2003 will determine if these corrective actions are effective.

Certification Statement:

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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Signature

M. Beavers / 1-29-03

Michael G. Beavers

Title

Acting Environmental Supervisor
Acting Environmental Supervisor



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: | Michael G Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002) | 2002 | Outfall Number: | SW # 1 |
| List all TMSP sectors which apply to discharge from this outfall | O | Sample Date: | 12/04/02 |
| 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 | 0.17 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | <i>M. Beavers</i> | 3-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

- 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 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 2002 calendar year is due by March 31, 2003.
- 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).
- 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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 2 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 11/15/02 |
| 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 | 6.2 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | <i>M. Beavers</i> | 3-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

- 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 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 2002 calendar year is due by March 31, 2003.
- 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).
- 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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g 2002) | 2002 | Outfall Number: | SW # 3 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 12/04/02 |
| 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 | 2.6 | Total Suspended Solids (TSS) | 200 | N/A |
| Lead, Total | 0.156 | N/A | Zinc, Total | 0.395 | N/A |

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| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | B-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

- 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 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 2002 calendar year is due by March 31, 2003.
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Division of Water Pollution Control
6th Floor L&C Annex, 401 Church Street
Nashville, TN 37243-1534



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 4 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 11/15/02 |
| 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.

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|-----------------|----------------------|-----------------------------|------------------------------|----------------------|-----------------------------|
| 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 | 4.9 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | 2-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

- 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 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 2002 calendar year is due by March 31, 2003.
- 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).
- 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



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: | Michael G Beavers | Phone Number | 423 843-6700 |
| This report is submitted for the following calendar year (e.g 2002): | 2002 | Outfall Number: | SW # 6 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date | 11/15/02 |
| 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 | 2.5 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | <i>M. Beavers</i> | 3-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

- 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 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 2002 calendar year is due by March 31, 2003.
- 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).
- 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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 8 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 11/15/02 |
| 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 | 2.0 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | 3-11-03 |
| 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.

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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



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: | Michael G Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002) | 2002 | Outfall Number: | SW # 9 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date | 11/15/02 |
| 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 | 4.1 | 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.

| | | |
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| Michael G. Beavers - Acting Environmental Supervisor | | 3-11-03 |
| 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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 15 |
| List all TMSP sectors which apply to discharge from this outfall | O | Sample Date: | 12/24/02 |
| 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 | 2.4 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | 3-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 16 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 12/04/02 |
| 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 | 0.21 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | <i>M. Beavers</i> | 3-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

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Nashville, TN 37243-1534



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 18 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 11/15/02 |
| 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 | 1.2 | 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.

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | 3-11-03 |
| 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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002) | | 2002 | Outfall Number: SW # 19 |
| List all TMSP sectors which apply to discharge from this outfall: | | 0 | Sample Date: 11/15/02 |
| 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 | 2.6 | 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

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | <i>M. Beavers</i> | 3-11-03 |
| 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 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 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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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**



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002) | 2002 | Outfall Number: | SW # 21 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 11/15/02 |
| 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

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | <i>M. Beavers</i> | 3-11-03 |
| 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 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 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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**Enforcement and Compliance Section
 Division of Water Pollution Control
 6th Floor L&C Annex, 401 Church Street
 Nashville, TN 37243-1534**



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | 2002 | Outfall Number: | SW # 22 |
| List all TMSP sectors which apply to discharge from this outfall: | 0 | Sample Date: | 12/04/02 |
| 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 | 4.3 | 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

| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | 3-11-03 |
| Printed Name and Title of Authorized Agent | Signature of Authorized Agent | Date |

Instructions

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



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: | Michael G. Beavers | Phone Number: | 423 843-6700 |
| This report is submitted for the following calendar year (e.g. 2002): | | 2002 | Outfall Number: SW # 23 |
| List all TMSP sectors which apply to discharge from this outfall: | | O | Sample Date: 12/04/02 |
| 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 | 4.9 | Total Suspended Solids (TSS) | 200 | N/A |
| Lead, Total | 0.156 | N/A | Zinc, Total | 0.395 | N/A |

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| | | |
|--|-------------------------------|---------|
| Michael G. Beavers - Acting Environmental Supervisor | | 3-11-03 |
| 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**



TENNESSEE VALLEY AUTHORITY
 CENTRAL LABORATORIES SERVICES
 1101 Market Street, PSC 1B-C
 Chattanooga, Tennessee 37402-2801

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

Data Report Number: 021209-131313
 Report of Results: NPDES

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

NPDES Final Data Report

Customer Address: Rick Nunley
 SB 2A-SQN
 Phone: 843-7748
 Fax : Not Available
 E-Mail: rdnunley2@tva.gov

Location Code: SQN
 Field ID: SW #1

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19959

LRF ID: 02120130

Matrix: Water

Date Collected: 12/04/2002

Time Collected: 13.40 EST

Date Received: 12/05/2002

Time Received: 9:59

Project Manager: Lisabeth Pearson

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

pH (Field):

| Analyte | CAS Number ¹ | Result | Units | MDL ² | Analysis Date | Analysis Time | Analyst | Method Reference |
|--------------------------|-------------------------|----------|-------|------------------|---------------|---------------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 12/05/2002 | 15:00 | ALP | |
| Iron, Total | 7439-89-6 | 0.17 | mg/L | 0.01 | 12/08/2002 | 17.55 | LMJ | EPA 200.7 |

Sample Comments: None

Data Report Number: 21205-155715

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: Pgm Admin Environmental
SB 2A-SQN
Phone 423-843-6700
Fax : 423-843-7080
E-Mail: SQN Environmental
Location Code: SQN
Field ID: SW# 2
Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

Sample ID: AC19134
LRF ID: 02110203
Matrix: Water
Date Collected: 11/15/2002
Time Collected: 16:28 EST
Date Received: 11/20/2002
Time Received: 10.12
Project Manager: Lisabeth R. Pearson
Plant: SQN
Project Account Code: 000WQYN
Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ² | Analysis Date | Analysis | Method |
|--------------------------|------------|----------|-------|------------------|---------------|----------|-------------------|
| | | | | | | s | Analyst Reference |
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13.48 | MAA |
| Iron, Total | 7439-89-6 | 6.2 | mg/L | 0.01 | 12/05/2002 | 10.13 | LMJ EPA 200.7 |

Sample Comments: None



**TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES
1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801**

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

Data Report Number: 021209-131313
Report of Results: NPDES

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

NPDES Final Data Report

Customer Address: Rick Nunley
SB 2A-SQN
Phone 843-7748
Fax : Not Available
E-Mail: rdnunley2@tva.gov

Location Code: SQN
Field ID: SW #3

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19960

LRF ID: 02120130

Matrix: Water

Date Collected: 12/04/2002

Time Collected: 13:45 EST

Date Received: 12/05/2002

Time Received: 9:59

Project Manager: Lisabeth Pearson

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

pH (Field):

| Analyte | CAS Number ¹ | Result | Units | MDL ² | Analysis Date | Analysis Time | Analyst | Method Reference |
|--------------------------|-------------------------|----------|-------|------------------|---------------|---------------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 12/05/2002 | 15:00 | ALP | |
| Iron, Total | 7439-89-6 | 2.6 | mg/L | 0.01 | 12/08/2002 | 17:59 | LMJ- | EPA 200.7 |

Sample Comments: None



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Data Report Number: 021205-155715
 Report of Results: NPDES

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

NPDES Final Data Report

Customer Address: Pgm Admin Environmental
 SB 2A-SQN
 Phone: 423-843-6700
 Fax: 423-843-7080
 E-Mail: SQN Environmental
 Location Code: SQN
 Field ID: SW# 4
 Sample Description: IRON
 Permit Number:
 Discharge Number:
 Method of Transport:
 Cont. Flow (MGD):

Sample ID: AC19135
 LRF ID: 02110203
 Matrix: Water
 Date Collected: 11/15/2002
 Time Collected: 14:30 EST
 Date Received: 11/20/2002
 Time Received: 10.12
 Project Manager: Lisabeth R. Pearson
 Plant: SQN
 Project Account Code: 000WQYN
 Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ¹ | Analysis Date | Analysis s | Analyst | Method Reference |
|--------------------------|------------|----------|-------|------------------|---------------|---------------|---------|---------------------|
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 12:58 | MAA | |
| Iron, Total | 7439-89-6 | 4.9 | mg/L | 0.01 | 12/05/2002 | 10:24 | LMJ | EPA 200.7 |

Sample Comments: None

Data Report Number: 021205-155715
Report of Results: NPDES



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Shipping Address
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North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Pgm Admin Environmental
SB 2A-SQN
Phone 423-843-6700
Fax 423-843-7080
E-Mail SQN Environmental

Location Code: SQN
Field ID: SW# 6

Sample Description: IRON
Permit Number:
Discharge Number:
Method of Transport:
Cont. Flow (MGD):

Sample ID: AC19136

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 15.28 EST

Date Received: 11/20/2002

Time Received: 10 12

Project Manager: Lisabeth R. Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ² | Analysis Date | Analysis | Method |
|--------------------------|------------|----------|-------|------------------|---------------|------------------------------|-------------------|
| | | | | | | s <td>Analyst Reference</td> | Analyst Reference |
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13 48 | MAA |
| Iron, Total | 7439-89-6 | 2.5 | mg/L | 0 01 | 12/05/2002 | 10 28 | LMJ EPA 200 7 |

Sample Comments: None

Data Report Number: 021205-155715
Report of Results: NPDES



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

NPDES Final Data Report

Customer Address: Pgm Admin Environmental
SB 2A-SQN

Phone 423-843-6700

Fax: 423-843-7080

E-Mail SQN Environmental

Location Code: SQN

Field ID: SW# 8

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19137

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 14:34 EST

Date Received: 11/20/2002

Time Received: 10:12

Project Manager: Lisabeth R. Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ² | Analysis Date | Analysis | Method |
|--------------------------|------------|----------|-------|------------------|---------------|----------|-------------------|
| | | | | | | s | Analyst Reference |
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13:48 | MAA |
| Iron, Total | 7439-89-6 | 2.0 | mg/L | 0.01 | 12/05/2002 | 10:31 | LMJ EPA 200.7 |

Sample Comments: None



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Data Report Number: 021205-155715
 Report of Results: NPDES

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

NPDES Final Data Report

Customer Address: Pgm Admin Environmental
 SB 2A-SQN
 Phone 423-843-6700
 Fax 423-843-7080
 E-Mail SQN Environmental
 Location Code: SQN
 Field ID: SW#9

Sample Description: IRON
 Permit Number:
 Discharge Number:
 Method of Transport:
 Cont. Flow (MGD):

Sample ID: AC19138

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 15.35 EST

Date Received: 11/20/2002

Time Received: 10 12

Project Manager: Lisabeth R. Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ² | Analysis Date | Analysis | Method |
|--------------------------|------------|----------|-------|------------------|---------------|----------|-------------------|
| | | | | | | s | Analyst Reference |
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13.48 | MAA |
| Iron, Total | 7439-89-6 | 4.1 | mg/L | 0.01 | 12/05/2002 | 10:35 | LMJ EPA 200.7 |

Sample Comments: None



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Data Report Number: 030106-111310
 Report of Results: STANDARD

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

NPDES Final Data Report

Customer Address: Rick Nunley
 SB 2A-SQN
 Phone: 843-7748
 Fax : Not Available
 E-Mail rdnunley2@tva.gov
 Location Code: SQN
 Field ID: SW #15

Sample ID: AC20915

LRF ID: 02120401

Matrix: Water

Date Collected: 12/24/2002

Time Collected: 6:20 EST

Date Received: 12/26/2002

Time Received: 11:36

Sample Description: IRON

Project Manager: Lisabeth R. Pearson

Permit Number:

Plant: SQN

Discharge Number:

Project Account Code: 000WQNY

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Regulation: WQUAL

| Analyte | CAS Number ¹ | Result | Units | MDL ² | Analysis Date | Analysis Time | Analyst | Method Reference |
|--------------------------|-------------------------|----------|-------|------------------|---------------|---------------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 12/30/2002 | 11:00 | MAA | |
| Iron, Total | 7439-89-6 | 2.4 | mg/L | 0.01 | 01/02/2003 | 14.41 | LMJ | EPA 200.7 |

Sample Comments: None



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Data Report Number: 021209-131313

Report of Results: NPDES

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

NPDES Final Data Report

Customer Address: Rick Nunley
SB 2A-SQN
Phone: 843-7748
Fax: Not Available
E-Mail: rdnunley2@tva.gov

Location Code: SQN
Field ID: SW #16

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19961

LRF ID: 02120130

Matrix: Water

Date Collected: 12/04/2002

Time Collected: 13.30 EST

Date Received: 12/05/2002

Time Received: 9:59

Project Manager: Lisabeth Pearson

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

pH (Field):

| Analyte | CAS Number ¹ | Result | Units | MDL ² | Analysis Date | Analysis Time | Analyst | Method Reference |
|--------------------------|-------------------------|----------|-------|------------------|---------------|---------------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 12/05/2002 | 15:00 | ALP | |
| Iron, Total | 7439-89-6 | 0.21 | mg/L | 0.01 | 12/08/2002 | 18:03 | LMJ | EPA 200.7 |

Sample Comments: None

Data Report Number: 021205-155715
Report of Results: NPDES



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Shipping Address
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Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Pgm Admin Environmental

SB 2A-SQN

Phone 423-843-6700

Fax : 423-843-7080

E-Mail: SQN Environmental

Location Code: SQN

Field ID: SW# 18

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19139

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 16:20 EST

Date Received: 11/20/2002

Time Received: 10:12

Project Manager: Lisabeth R. Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ² | Analysis Date | Analysis | Analyst | Method Reference |
|--------------------------|------------|----------|-------|------------------|---------------|----------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13:48 | MAA | |
| Iron, Total | 7439-89-6 | 1.2 | mg/L | 0.01 | 12/05/2002 | 10:39 | LMJ | EPA 200.7 |

Sample Comments: None

Data Report Number: 021205-155715
Report of Results: NPDES



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Shipping Address:
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Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Pgm Admn Environmental
SB 2A-SQN

Phone 423-843-6700

Fax : 423-843-7080

E-Mail: SQN Environmental

Location Code: SQN

Field ID: SW# 19

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19140

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 16 15 EST

Date Received: 11/20/2002

Time Received: 10.12

Project Manager: Lisabeth R Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ¹ | Analysis Date | Analysis | Method |
|--------------------------|------------|----------|-------|------------------|---------------|----------|-------------------|
| | | | | | | s | Analyst Reference |
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13.48 | MAA |
| Iron, Total | 7439-89-6 | 2.6 | mg/L | 0.01 | 12/05/2002 | 10.42 | LMJ EPA 200.7 |

Sample Comments: None

Data Report Number: 021205-155715
Report of Results: NPDES



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North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Pgm Admun Environmental
SB 2A-SQN

Phone 423-843-6700

Fax : 423-843-7080

E-Mail. SQN Environmental

Location Code: SQN

Field ID: SW# 21

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19141

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 14:45 EST

Date Received: 11/20/2002

Time Received: 10:12

Project Manager: Lisabeth R. Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

| Analyte | CAS Number | Result | Units | MDL ¹ | Analysis Date | Analysis | Method |
|--------------------------|------------|----------|-------|------------------|---------------|----------|-------------------|
| | | | | | | s | Analyst Reference |
| Metals Digestion for ICP | | Complete | | | 11/25/2002 | 13:48 | MAA |
| Iron, Total | 7439-89-6 | 1.4 | mg/L | 0.01 | 12/05/2002 | 10:46 | LMJ EPA 200.7 |

Sample Comments: None

Data Report Number: 021209-131313
Report of Results: NPDES



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North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

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

NPDES Final Data Report

Customer Address: Rick Nunley
SB 2A-SQN
Phone: 843-7748
Fax: Not Available
E-Mail: rdnunley2@tva.gov

Location Code: SQN
Field ID: SW #22

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19962

LRF ID: 02120130

Matrix: Water

Date Collected: 12/04/2002

Time Collected: 14:50 EST

Date Received: 12/05/2002

Time Received: 9:59

Project Manager: Lisabeth Pearson

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

pH (Field):

| Analyte | CAS Number ¹ | Result | Units | MDL ² | Analysis Date | Analysis Time | Analyst | Method Reference |
|--------------------------|-------------------------|----------|-------|------------------|---------------|---------------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 12/05/2002 | 15:00 | ALP | |
| Iron, Total | 7439-89-6 | 4.3 | mg/L | 0.01 | 12/08/2002 | 18:06 | LMJ | EPA 200.7 |

Sample Comments: None



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Data Report Number: 021209-131313

Report of Results: NPDES

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

NPDES Final Data Report

Customer Address: Rick Nunley
 SB 2A-SQN
 Phone: 843-7748
 Fax : Not Available
 E-Mail rdnunley2@tva.gov

Location Code: SQN
 Field ID: SW #23

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19963

LRF ID: 02120130

Matrix: Water

Date Collected: 12/04/2002

Time Collected: 14:55 EST

Date Received: 12/05/2002

Time Received: 9:59

Project Manager: Lisabeth Pearson

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

pH (Field):

| Analyte | CAS Number ¹ | Result | Units | MDL ² | -Analysis Date | Analysis Time | Analyst | Method Reference |
|--------------------------|-------------------------|----------|-------|------------------|----------------|---------------|---------|------------------|
| Metals Digestion for ICP | | Complete | | | 12/05/2002 | 15:00 | ALP | |
| Iron, Total | 7439-89-6 | 4.9 | mg/L | 0.01 | 12/08/2002 | 18:20 | LMJ | EPA 200.7 |

Sample Comments: None