



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379-2000

March 23, 2001

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

Dear Sir:

TENNESSEE VALLEY AUTHORITY - TENNESSEE MULTI-SECTOR GENERAL PERMIT 2000 STORM WATER MONITORING REPORT FOR SEQUOYAH NUCLEAR PLANT (SQN)

Please find enclosed the 2000 Tennessee Multi-Sector Monitoring Report for SQN. Please note the following comments concerning the storm water monitoring for 2000.

Due to drought conditions, there was insufficient storm water flow to enable sampling of SW outfall 15 in the first and fourth quarters of 2000. This drought condition also prevented sampling of SW outfall 19 during the third quarter of 2000. Average iron concentrations reflect the results of the samples that were obtained for these outfalls. SW outfalls 8, 9, 16 and 18 were sampled for iron all four quarters of 2000.

The average concentration for iron for SW outfalls 1, 2, 3, 4 and 6 for the monitoring period of January 1, 1998 to December 31, 1998 was calculated to be less than the 5.0 mg/L limit, therefore SQN waived monitoring and reporting requirements for January 1, 2000 to December 31, 2000 for these outfalls. SQN certifies that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility which drains to SW outfalls 1, 2, 3, 4 or 6.

Material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by products, industrial machinery or operations, and significant materials from past industrial activity that are located in storm water outfall numbers 11, 12, 13, 14, 17, and 20 are neither currently exposed nor expected to be exposed to storm water and are alternatively certified.

*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,

Diedre B. Nida  
Environmental Supervisor  
Sequoyah Nuclear Plant

Enclosure

cc (Enclosure):

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

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

IE25

## Sampling Waiver

SQN was unable to collect a sample for SW Outfall 15, during the first and fourth quarters sampling period of 2000, SW Outfall 19 during the third quarter and SW Outfall 20 during the first, second and fourth quarters due to adverse climatic conditions. The adverse weather condition which made sampling impracticable was the drought conditions. The Outfalls were checked during several storm events in 2000 and no flow was established at these outfalls

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*Didier B-Aidy*      *1/3/20/01*  
\_\_\_\_\_  
*Environmental Supervisor*

## Sampling Waiver

The average concentration for iron for SW Outfall 1, 2, 3, 4, and 6 for the monitoring period of January 1, 1998 to December 31, 1998 was calculated to be less than the 5.0 mg/L limit listed in Table O-1 under the column Monitoring Cut-Off Concentration. SQN is waiving monitoring and reporting requirements for January 1, 2000 to December 31, 2000. SQN certifies that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility which drains to SW Outfall 1, 2, 3, 4, or 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.*

*Dwight L. Nicks*      *1/31/20/01*  
\_\_\_\_\_  
*Environmental Supervisor*

## 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 ft<sup>2</sup>) 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.

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*Diego F. Aida* 1/3/20/01  
\_\_\_\_\_  
*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 ft<sup>2</sup>) 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.

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David B. Hidy 13/20/01  
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 ft<sup>2</sup>) 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.

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*Diude B. Aude* 3/20/01  
Environmental Supervisor

## Alternative Certification

Material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, industrial machinery or operations, significant materials from past industrial activity that are located in Storm Water Outfall Numbers 11, 12, 13, 14, 17 and 20 are not presently exposed to storm water and are not expected to be exposed to storm water for the certification period.

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

Richard B. Purcell      1/3/20/01  
Environmental Supervisor      Date  
Signatory Authority for  
Richard Purcell  
Site Vice President



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant TMSP NUMBER TNR05  
 ADDRESS P.O. Box 2000 (Interoffice SB 2A) PHONE NUMBER (423) 843-6700  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):  0

Outfall No.:      S W 8

Note: Read instructions on back before completing this form.

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	0.44	1.82	1.6	0.49	1.09
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)


1st Quarter      2nd Quarter      3rd Quarter      4th Quarter

Dates samples were collected: (Month/Day/Year)      3/10/00      4/17/00      9/12/00      11/16/00

Names of laboratory(s) that analyzed samples TVA Environmental Chemistry Laboratory

Attach copy(ies) of the lab sheet(s) for the above data.

I certify under penalty of law this document and all its attachments were prepared under my direction or 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Richard Purcell Site Vice President	<i>Richard B. Aida</i> Env. Supervisor, Signatory Authority	DATE		
		03	20	01
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	MONTH	DAY	YEAR

Instructions

- The purpose of this form is to report storm water discharge monitoring results under the Tennessee Storm Water Multi-Sector General Permit (TMSP). You must submit the form with results by March 31 of the year following the year monitoring is required. For example, monitoring required during 1998 is due by March 31, 1999.
- The permit is divided into 30 different industry sectors and in some cases, subsectors. Not all industry sectors or subsectors are required to perform monitoring of storm water discharges. Refer to the permit itself to determine which sectors of the permit apply to discharges from your facility, and to determine whether or not the storm water discharges at your facility must be sampled. If so, determine which parameters must be monitored.  
  
Examples: Textile Mill.....Sector V.....Not required to perform analytical monitoring  
  
Automobile Salvage Yard.....Sector M.....Must sample its storm water discharges for Total Suspended Solids, Aluminum, Iron, and Lead.
- The Tennessee Multi-Sector General Permit requires a facility to monitor its storm water discharge(s) once per quarter during calendar year 1998 and once per quarter during calendar year 2000. An exception to this is noted below in instruction 4.
- For a given outfall, if results of the second year's monitoring for a parameter average less than the cut-off concentration, the facility can waive monitoring requirements for this parameter in the fourth year. To be eligible for this waiver, the facility must collect and analyze samples for all four quarters of the second year and must submit these results on time according to instruction 1. To take advantage of this option, the facility operator must submit, in lieu of the fourth year's monitoring results, a statement certifying industrial operations have not changed substantially since the second year's monitoring, and the same or improved storm water management controls are in place.
- For a new facility obtaining permit coverage during 1998, sampling must be conducted for the remaining quarters of the 1998 calendar year. For example, if a facility obtains permit coverage in June, 1998, it must conduct sampling in the second and third quarters of 1998 and submit those results by March 31, 1999. Such a facility may seek a waiver from monitoring in the year 2000 (as described above in instruction 4.) by monitoring in the first quarter(s) of 1999 since a total of four consecutive sampling events are required to obtain the waiver.
- In the spaces provided in the table, provide the results of quarterly storm water monitoring for the designated outfall. After the 4th quarter's results are tabulated, average the quarterly monitoring results, and record the average value in the last column of the table. For results reported as "less than" a certain concentration, use one half of that concentration for the purpose of averaging. For each quarter, give the date when the storm water event was sampled. If results were taken from more than one storm event for a given quarter, use the date of the last sample. Also give the name(s) of laboratories used to perform chemical analyses. Complete a separate form for each outfall sampled.
- If the results for a given parameter exceed the cutoff concentration for two consecutive samples, then you must report this occurrence to the appropriate field office (as referenced in your permit) within 30 days of your becoming aware of the exceedance.
- Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
- Submit the original form and one copy to the following address:

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant  
 ADDRESS P.O. Box 2000 (Interoffice SB 2A)  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton

TMSP NUMBER TNR05  
 PHONE NUMBER ( 423 ) 843-6700  
 CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):  0

Note: Read instructions on back before completing this form.

Outfall No.: S W 9

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	2.0	0.12	3.5	3.8	2.35
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)


Dates samples were collected: (Month/Day/Year)

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
3/16/00	4/24/00	9/24/00	11/16/00

Names of laboratory(s) that analyzed samples TVA Environmental Chemistry Laboratory

Attach copy(ies) of the lab sheet(s) for the above data.

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		03	20	01
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	MONTH	DAY	YEAR

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Automobile Salvage Yard.....Sector M.....Must sample its storm water discharges for Total Suspended Solids, Aluminum, Iron, and Lead.
- The Tennessee Multi-Sector General Permit requires a facility to monitor its storm water discharge(s) once per quarter during calendar year 1998 and once per quarter during calendar year 2000. An exception to this is noted below in instruction 4.
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- For a new facility obtaining permit coverage during 1998, sampling must be conducted for the remaining quarters of the 1998 calendar year. For example, if a facility obtains permit coverage in June, 1998, it must conduct sampling in the second and third quarters of 1998 and submit those results by March 31, 1999. Such a facility may seek a waiver from monitoring in the year 2000 (as described above in instruction 4.) by monitoring in the first quarter(s) of 1999 since a total of four consecutive sampling events are required to obtain the waiver.
- In the spaces provided in the table, provide the results of quarterly storm water monitoring for the designated outfall. After the 4th quarter's results are tabulated, average the quarterly monitoring results, and record the average value in the last column of the table. For results reported as "less than" a certain concentration, use one half of that concentration for the purpose of averaging. For each quarter, give the date when the storm water event was sampled. If results were taken from more than one storm event for a given quarter, use the date of the last sample. Also give the name(s) of laboratories used to perform chemical analyses. Complete a separate form for each outfall sampled.
- If the results for a given parameter exceed the cutoff concentration for two consecutive samples, then you must report this occurrence to the appropriate field office (as referenced in your permit) within 30 days of your becoming aware of the exceedance.
- Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
- Submit the original form and one copy to the following address:

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant TMSP NUMBER TNR05  
 ADDRESS P. O. Box 2000 (Interoffice SB 2A) PHONE NUMBER (423 ) 843-6700  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):

Note: Read instructions on back before completing this form.

Outfall No.: S, W, 15

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	---(1)	0.71	0.85	---(1)	0.78
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)


	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Dates samples were collected: (Month/Day/Year)	N/A	4/24/00	9/24/00	N/A

Names of laboratory(s) that analyzed samples TVA Environmental Chemistry Laboratory

Attach copy(ies) of the lab sheet(s) for the above data. (1) Unable to sample in 1st & 4th quarters due to drought

I certify under penalty of law this document and all its attachments were prepared under my direction or 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Richard T. Purcell Site Vice President	<i>Richard T. Purcell</i> Em. Supervisor <i>Signature Authority</i>	DATE		
		03	20	01
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	MONTH	DAY	YEAR

Instructions

- The purpose of this form is to report storm water discharge monitoring results under the Tennessee Storm Water Multi-Sector General Permit (TMSP). You must submit the form with results by March 31 of the year following the year monitoring is required. For example, monitoring required during 1998 is due by March 31, 1999.
- The permit is divided into 30 different industry sectors and in some cases, subsectors. Not all industry sectors or subsectors are required to perform monitoring of storm water discharges. Refer to the permit itself to determine which sectors of the permit apply to discharges from your facility, and to determine whether or not the storm water discharges at your facility must be sampled. If so, determine which parameters must be monitored.  
Examples: Textile Mill.....Sector V.....Not required to perform analytical monitoring  
Automobile Salvage Yard.....Sector M.....Must sample its storm water discharges for Total Suspended Solids, Aluminum, Iron, and Lead.
- The Tennessee Multi-Sector General Permit requires a facility to monitor its storm water discharge(s) once per quarter during calendar year 1998 and once per quarter during calendar year 2000. An exception to this is noted below in instruction 4.
- For a given outfall, if results of the second year's monitoring for a parameter average less than the cut-off concentration, the facility can waive monitoring requirements for this parameter in the fourth year. To be eligible for this waiver, the facility must collect and analyze samples for all four quarters of the second year and must submit these results on time according to instruction 1. To take advantage of this option, the facility operator must submit, in lieu of the fourth year's monitoring results, a statement certifying industrial operations have not changed substantially since the second year's monitoring, and the same or improved storm water management controls are in place.
- For a new facility obtaining permit coverage during 1998, sampling must be conducted for the remaining quarters of the 1998 calendar year. For example, if a facility obtains permit coverage in June, 1998, it must conduct sampling in the second and third quarters of 1998 and submit those results by March 31, 1999. Such a facility may seek a waiver from monitoring in the year 2000 (as described above in instruction 4.) by monitoring in the first quarter(s) of 1999 since a total of four consecutive sampling events are required to obtain the waiver.
- In the spaces provided in the table, provide the results of quarterly storm water monitoring for the designated outfall. After the 4th quarter's results are tabulated, average the quarterly monitoring results, and record the average value in the last column of the table. For results reported as "less than" a certain concentration, use one half of that concentration for the purpose of averaging. For each quarter, give the date when the storm water event was sampled. If results were taken from more than one storm event for a given quarter, use the date of the last sample. Also give the name(s) of laboratories used to perform chemical analyses. Complete a separate form for each outfall sampled.
- If the results for a given parameter exceed the cutoff concentration for two consecutive samples, then you must report this occurrence to the appropriate field office (as referenced in your permit) within 30 days of your becoming aware of the exceedance.
- Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
- Submit the original form and one copy to the following address:

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant TMSP NUMBER TNR05  
 ADDRESS P.O. Box 2000 (Interoffice SB 2A) PHONE NUMBER (423) 843-6700  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):  0

Note: Read instructions on back before completing this form.

Outfall No.: S W 16

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	0.35	1.60	1.1	0.37	0.85
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)

				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Dates samples were collected: (Month/Day/Year)				3/10/00	4/17/00	9/12/00	11/16/00
Names of laboratory(s) that analyzed samples <u>TVA Environmental Chemistry Laboratory</u>							
Attach copy(ies) of the lab sheet(s) for the above data.							
I certify under penalty of law this document and all its attachments were prepared under my direction or 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.							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				<i>Richard B. Purcell</i>			
Richard Purcell				<i>Env. Supervisor, Signatory Authority</i>			
Site Vice President							
TYPED OR PRINTED				03	20	01	
				MONTH	DAY	YEAR	

### Instructions

1. The purpose of this form is to report storm water discharge monitoring results under the Tennessee Storm Water Multi-Sector General Permit (TMSP). You must submit the form with results by March 31 of the year following the year monitoring is required. For example, monitoring required during 1998 is due by March 31, 1999.
2. The permit is divided into 30 different industry sectors and in some cases, subsectors. Not all industry sectors or subsectors are required to perform monitoring of storm water discharges. Refer to the permit itself to determine which sectors of the permit apply to discharges from your facility, and to determine whether or not the storm water discharges at your facility must be sampled. If so, determine which parameters must be monitored.  
  
 Examples: Textile Mill.....Sector V.....Not required to perform analytical monitoring  
  
 Automobile Salvage Yard.....Sector M.....Must sample its storm water discharges for Total Suspended Solids, Aluminum, Iron, and Lead.
3. The Tennessee Multi-Sector General Permit requires a facility to monitor its storm water discharge(s) once per quarter during calendar year 1998 and once per quarter during calendar year 2000. An exception to this is noted below in instruction 4.
4. For a given outfall, if results of the second year's monitoring for a parameter average less than the cut-off concentration, the facility can waive monitoring requirements for this parameter in the fourth year. To be eligible for this waiver, the facility must collect and analyze samples for all four quarters of the second year and must submit these results on time according to instruction 1. To take advantage of this option, the facility operator must submit, in lieu of the fourth year's monitoring results, a statement certifying industrial operations have not changed substantially since the second year's monitoring, and the same or improved storm water management controls are in place.
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6. In the spaces provided in the table, provide the results of quarterly storm water monitoring for the designated outfall. After the 4th quarter's results are tabulated, average the quarterly monitoring results, and record the average value in the last column of the table. For results reported as "less than" a certain concentration, use one half of that concentration for the purpose of averaging. For each quarter, give the date when the storm water event was sampled. If results were taken from more than one storm event for a given quarter, use the date of the last sample. Also give the name(s) of laboratories used to perform chemical analyses. Complete a separate form for each outfall sampled.
7. If the results for a given parameter exceed the cutoff concentration for two consecutive samples, then you must report this occurrence to the appropriate field office (as referenced in your permit) within 30 days of your becoming aware of the exceedance.
8. Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
9. Submit the original form and one copy to the following address:

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant TMSP NUMBER TNR05  
 ADDRESS P.O. Box 2000 (Interoffice SB 2A) PHONE NUMBER ( 423 ) 843-6700  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):  0

Note: Read instructions on back before completing this form.

Outfall No.: S W 18

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	1.4	0.93	1.1	3.6	1.76
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)


1st Quarter      2nd Quarter      3rd Quarter      4th Quarter

Dates samples were collected: (Month/Day/Year)      3/16/00      4/24/00      9/24/00      11/16/00

Names of laboratory(s) that analyzed samples TVA Environmental Chemistry Laboratory

Attach copy(ies) of the lab sheet(s) for the above data.

I certify under penalty of law this document and all its attachments were prepared under my direction or 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Richard Purcell Site Vice President	<i>Richard Purcell</i> Environmental Supervisor Signature Authority	DATE		
		03	20	01
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	MONTH	DAY	YEAR

Instructions

- The purpose of this form is to report storm water discharge monitoring results under the Tennessee Storm Water Multi-Sector General Permit (TMSP). You must submit the form with results by March 31 of the year following the year monitoring is required. For example, monitoring required during 1998 is due by March 31, 1999.
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- Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
- Submit the original form and one copy to the following address:

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant  
 ADDRESS P.O. Box 2000 (Interoffice SB 2A)  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton

TMSP NUMBER TNR05  
 PHONE NUMBER (423) 843-6700  
 CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):

Note: Read instructions on back before completing this form.

Outfall No.: S W 19

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	1.6	2.5	---(1)	2.8	2.3
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)

				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Dates samples were collected: (Month/Day/Year)				3/16/00	4/24/00	--	11/16/00
Names of laboratory(s) that analyzed samples <u>(1)Unable to sample due to drought.</u>							
Attach copy(ies) of the lab sheet(s) for the above data: <u>TVA Environmental Chemistry Laboratory</u>							
I certify under penalty of law this document and all its attachments were prepared under my direction or 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.							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				DATE			
Richard Purcell Site Vice President				<i>Dick B. Nicks</i> <i>Env. Supervisor</i> <i>Signature Authority</i>			
TYPED OR PRINTED				MONTH	DAY	YEAR	
				03	20	01	

### Instructions

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Examples: Textile Mill.....Sector V.....Not required to perform analytical monitoring  
  
Automobile Salvage Yard.....Sector M.....Must sample its storm water discharges for Total Suspended Solids, Aluminum, Iron, and Lead.
3. The Tennessee Multi-Sector General Permit requires a facility to monitor its storm water discharge(s) once per quarter during calendar year 1998 and once per quarter during calendar year 2000. An exception to this is noted below in instruction 4.
4. For a given outfall, if results of the second year's monitoring for a parameter average less than the cut-off concentration, the facility can waive monitoring requirements for this parameter in the fourth year. To be eligible for this waiver, the facility must collect and analyze samples for all four quarters of the second year and must submit these results on time according to instruction 1. To take advantage of this option, the facility operator must submit, in lieu of the fourth year's monitoring results, a statement certifying industrial operations have not changed substantially since the second year's monitoring, and the same or improved storm water management controls are in place.
5. For a new facility obtaining permit coverage during 1998, sampling must be conducted for the remaining quarters of the 1998 calendar year. For example, if a facility obtains permit coverage in June, 1998, it must conduct sampling in the second and third quarters of 1998 and submit those results by March 31, 1999. Such a facility may seek a waiver from monitoring in the year 2000 (as described above in instruction 4.) by monitoring in the first quarter(s) of 1999 since a total of four consecutive sampling events are required to obtain the waiver.
6. In the spaces provided in the table, provide the results of quarterly storm water monitoring for the designated outfall. After the 4th quarter's results are tabulated, average the quarterly monitoring results, and record the average value in the last column of the table. For results reported as "less than" a certain concentration, use one half of that concentration for the purpose of averaging. For each quarter, give the date when the storm water event was sampled. If results were taken from more than one storm event for a given quarter, use the date of the last sample. Also give the name(s) of laboratories used to perform chemical analyses. Complete a separate form for each outfall sampled.
7. If the results for a given parameter exceed the cutoff concentration for two consecutive samples, then you must report this occurrence to the appropriate field office (as referenced in your permit) within 30 days of your becoming aware of the exceedance.
8. Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
9. Submit the original form and one copy to the following address:

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 TENNESSEE MULTI-SECTOR GENERAL PERMIT (TMSP)  
 STORM WATER MONITORING REPORT

FACILITY NAME TVA-Sequoyah Nuclear Plant TMSP NUMBER TNR05  
 ADDRESS P.O. Box 2000 (Interoffice SB 2A) PHONE NUMBER ( 423 ) 843-6700  
 CITY Soddy-Daisy, TN ZIP 37384 COUNTY Hamilton CONTACT PERSON D. B. Nida

Indicate whether this storm water monitoring report (SWMR) is being submitted for the 2nd year's monitoring requirements or the 4th year's monitoring requirements:  2nd year  4th year

List the industry sector(s) which apply(ies) to this outfall's storm water discharge (i.e., A, B, C, D, etc.):  0

Outfall No.: S W 20

Note: Read instructions on back before completing this form.

Designate the outfall with a three-character code (e.g., 001 or SW1, etc.). In the spaces below, provide the results of quarterly storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the Multi-Sector General Permit apply to this discharge. Look up your sector(s) in the permit, and check the parameters which apply.

Effluent Characteristic	Cut-Off Concentration	Units	Sample Type	Quarterly Monitoring Results (mg/l)				Average of four quarters
				1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Aluminum, Total Rec.	0.75	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Ammonia	4.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Arsenic, Total Rec.	0.17	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
BOD, 5-Day	30	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cadmium, Total Rec.	0.016	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chemical Oxy. Demand	120	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Chromium, Total Rec.	0.200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Copper, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Cyanide, Total	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Fluoride	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Iron, Total Rec.	5.0	mg/l	Grab	---(1)	0.39	---(1)	---(1)	0.39
Lead, Total Rec.	0.082	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Magnesium, Total Rec.	0.064	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Mercury, Total Rec.	0.0024	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Nitrate plus Nitrate Nitr.	0.68	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Oil and Grease	15	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
pH	5.0-9.0	s.u.	Grab	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.	N/A s.u.
Phosphorus	2.0	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Phosphorus, Total (as P)	n/a	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Selenium, Total Rec.	0.24	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Silver, Total Rec.	0.032	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	200	mg/l	Grab	N/A	N/A	N/A	N/A	N/A
Zinc, Total Rec.	0.117	mg/l	Grab	N/A	N/A	N/A	N/A	N/A

Additional Characteristics (if requested)


	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Dates samples were collected: (Month/Day/Year)	N/A	4/24/00	N/A	N/A

Names of laboratory(s) that analyzed samples (1) Unable to sample in 1st, 3rd, and 4th quarters due to TVA Environmental Chemistry Laboratory drought.  
 Attach copy(ies) of the lab sheet(s) for the above data.

I certify under penalty of law this document and all its attachments were prepared under my direction or 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Richard Purcell Site Vice President	<i>Dudley B. Hida</i> <i>Env. Supervisor</i> <i>Signature Authority</i>	DATE		
		03	20	01
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	MONTH	DAY	YEAR

Instructions

- The purpose of this form is to report storm water discharge monitoring results under the Tennessee Storm Water Multi-Sector General Permit (TMSP). You must submit the form with results by March 31 of the year following the year monitoring is required. For example, monitoring required during 1998 is due by March 31, 1999.
- The permit is divided into 30 different industry sectors and in some cases, subsectors. Not all industry sectors or subsectors are required to perform monitoring of storm water discharges. Refer to the permit itself to determine which sectors of the permit apply to discharges from your facility, and to determine whether or not the storm water discharges at your facility must be sampled. If so, determine which parameters must be monitored.  
  
 Examples: Textile Mill.....Sector V.....Not required to perform analytical monitoring  
 Automobile Salvage Yard.....Sector M.....Must sample its storm water discharges for Total Suspended Solids, Aluminum, Iron, and Lead.
- The Tennessee Multi-Sector General Permit requires a facility to monitor its storm water discharge(s) once per quarter during calendar year 1998 and once per quarter during calendar year 2000. An exception to this is noted below in instruction 4.
- For a given outfall, if results of the second year's monitoring for a parameter average less than the cut-off concentration, the facility can waive monitoring requirements for this parameter in the fourth year. To be eligible for this waiver, the facility must collect and analyze samples for all four quarters of the second year and must submit these results on time according to instruction 1. To take advantage of this option, the facility operator must submit, in lieu of the fourth year's monitoring results, a statement certifying industrial operations have not changed substantially since the second year's monitoring, and the same or improved storm water management controls are in place.
- For a new facility obtaining permit coverage during 1998, sampling must be conducted for the remaining quarters of the 1998 calendar year. For example, if a facility obtains permit coverage in June, 1998, it must conduct sampling in the second and third quarters of 1998 and submit those results by March 31, 1999. Such a facility may seek a waiver from monitoring in the year 2000 (as described above in instruction 4.) by monitoring in the first quarter(s) of 1999 since a total of four consecutive sampling events are required to obtain the waiver.
- In the spaces provided in the table, provide the results of quarterly storm water monitoring for the designated outfall. After the 4th quarter's results are tabulated, average the quarterly monitoring results, and record the average value in the last column of the table. For results reported as "less than" a certain concentration, use one half of that concentration for the purpose of averaging. For each quarter, give the date when the storm water event was sampled. If results were taken from more than one storm event for a given quarter, use the date of the last sample. Also give the name(s) of laboratories used to perform chemical analyses. Complete a separate form for each outfall sampled.
- If the results for a given parameter exceed the cutoff concentration for two consecutive samples, then you must report this occurrence to the appropriate field office (as referenced in your permit) within 30 days of your becoming aware of the exceedance.
- Be sure this form is complete, signed and dated before you submit it. Keep a copy of the completed form for your records.
- Submit the original form and one copy to the following address:

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



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

Customer Address: Debbie Bodine

Sample ID: AA03518

LIF ID: 00030070

Matrix: Water

Date Collected: 03/10/2000

Time Collected: 10:19 EST

Date Received: 03/13/2000

Time Received: 10:29

Location Code: MISC

Field ID: SW#8

Sample Description: IRON

Project Manager: Clay C. Cherry

Analyte	CAS Number	Result	Units	MDL	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.44	mg/L	0.01	03/14/2000	15:43	LRP	EPA 200.7
Metals Digestion for ICP		Complete			03/14/2000	10:12	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

Customer Address: Debbie Bodine

Sample ID: AA03770

LIF ID: 00030111

Matrix: Water

Date Collected: 03/16/2000

Time Collected: 11:07 EST

Date Received: 03/16/2000

Time Received: 14:35

Location Code: SQN

Field ID: SW #9

Sample Description: SW #9 FE

Project Manager: Clay C. Cherry

Analyte	CAS Number	Result	Units	MDL	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	2.0	mg/L	0.01	03/20/2000	13:53	LRP	EPA 200.7
Metals Digestion for ICP		Complete			03/20/2000	12:14	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

Customer Address: Debbie Bodine

Sample ID: AA03519

LIF ID: 00030070

Matrix: Water

Date Collected: 03/10/2000

Time Collected: 10:10 EST

Date Received: 03/13/2000

Time Received: 10:29

Location Code: MISC

Field ID: SW#16

Sample Description: IRON

Project Manager: Clay C. Cherry

Analyte	CAS Number	Result	Units	MDL	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.35	mg/L	0.01	03/14/2000	15:46	LRP	EPA 200.7
Metals Digestion for ICP		Complete			03/14/2000	10:12	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

Customer Address: Debbie Bodine

Sample ID: AA03800

LIF ID: 00030125

Matrix: Water

Date Collected: 03/16/2000

Time Collected: 15:22 EST

Date Received: 03/17/2000

Time Received: 14:52

Location Code: SQN

Field ID: SW #18

Sample Description: IRON

Project Manager: Clay C. Cherry

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	1.4	mg/L	0.01	03/23/2000	11:35	LRP	EPA 200.7
Metals Digestion for ICP		Complete			03/21/2000	10:37	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

Customer Address: Debbie Bodine

Sample ID: AA03801

LIF ID: 00030125

Matrix: Water

Date Collected: 03/16/2000

Time Collected: 15:11 EST

Date Received: 03/17/2000

Time Received: 14:52

Location Code: SQN

Field ID: SW #19

Sample Description: IRON

Project Manager: Clay C. Cherry

Analvte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analvst	Method Reference
Iron, Total	7439-89-6	1.6	mg/L	0.01	03/23/2000	11:38	LRP	EPA 200.7
Metals Digestion for ICP		Complete			03/21/2000	10:37	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Diedra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SW #8

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA04888

LIF ID: 00040110

Matrix: Water

Date Collected: 04/17/2000

Time Collected: 7:45 EDT

Date Received: 04/17/2000

Time Received: 14:04

Project Manager: Clay C. Cherry

Plant: SQN

Project Account Code: 000X1PQ

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Aluminum, Total	7429-90-5	< MDL	mg/L	0.05	04/19/2000	12:05	WHR	EPA 200.7
Calcium, Total	7440-70-2	< MDL	mg/L	0.1	04/19/2000	12:05	WHR	EPA 200.7
Copper, Total	7440-50-8	< MDL	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Iron, Total	7439-89-6	1.82	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Magnesium, Total	7439-95-4	< MDL	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Manganese, Total	7439-96-5	< MDL	mg/L	0.005	04/19/2000	12:05	WHR	EPA 200.7
Zinc, Total	7440-66-6	< MDL	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Metals Digestion for ICP		Complete			04/19/2000	14:46	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Diedra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SW #9

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA05090

LIF ID: 00040157

Matrix: Water

Date Collected: 04/24/2000

Time Collected: 8:50 EDT

Date Received: 04/24/2000

Time Received: 13:44

Project Manager: Clay C. Cherry

Plant: SQN

Project Account Code: 000X1PQ

Regulation: NPDES

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Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.12	mg/L	0.01	04/27/2000	13:20	LRP	EPA 200.7

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TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Diedra Nida  
SB 2A-SQN

Sample ID: AA05093

LIF ID: 00040157

Matrix: Water

Location Code: SQN

Date Collected: 04/24/2000

Field ID: SW #15

Time Collected: 12:25 EDT

Sample Description: IRON

Date Received: 04/24/2000

Permit Number:

Time Received: 13:44

Discharge Number:

Project Manager: Clay C. Cherry

Method of Transport:

Plant: SQN

Cont. Flow (MGD):

Project Account Code: 000X1PQ

pH (Field):

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.71	mg/L	0.01	04/27/2000	13:27	LRP	EPA 200.7



**TENNESSEE VALLEY AUTHORITY  
 ENVIRONMENTAL CHEMISTRY LABORATORY  
 1101 Market Street, CC 1A-C  
 Chattanooga, Tennessee 37402-2801**

## NPDES Final Data Report

Customer Address: Diedra Nida  
 SB 2A-SQN

Sample ID: AA04889

LIF ID: 00040110

Matrix: Water

Location Code: SQN

Date Collected: 04/17/2000

Field ID: SW #16

Time Collected: 8:00 EDT

Sample Description: IRON

Date Received: 04/17/2000

Permit Number:

Time Received: 14:04

Discharge Number:

Project Manager: Clay C. Cherry

Method of Transport:

Plant: SQN

Cont. Flow (MGD):

Project Account Code: 000X1PQ

pH (Field):

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Aluminum, Total	7429-90-5	< MDL	mg/L	0.05	04/19/2000	12:05	WHR	EPA 200.7
Calcium, Total	7440-70-2	< MDL	mg/L	0.1	04/19/2000	12:05	WHR	EPA 200.7
Copper, Total	7440-50-8	< MDL	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Iron, Total	7439-89-6	1.60	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Magnesium, Total	7439-95-4	< MDL	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Manganese, Total	7439-96-5	< MDL	mg/L	0.005	04/19/2000	12:05	WHR	EPA 200.7
Zinc, Total	7440-66-6	< MDL	mg/L	0.01	04/19/2000	12:05	WHR	EPA 200.7
Metals Digestion for ICP		Complete			04/19/2000	14:46	MAA	



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Diedra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SW #18

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA05091

LIF ID: 00040157

Matrix: Water

Date Collected: 04/24/2000

Time Collected: 10:10 EDT

Date Received: 04/24/2000

Time Received: 13:44

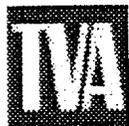
Project Manager: Clay C. Cherry

Plant: SQN

Project Account Code: 000X1PQ

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.93	mg/L	0.01	04/27/2000	13:23	LRP	EPA 200.7



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Diedra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SW #19  
Sample Description: IRON  
Permit Number:  
Discharge Number:  
Method of Transport:  
Cont. Flow (MGD):  
pH (Field):

Sample ID: AA05092  
LIF ID: 00040157  
Matrix: Water  
Date Collected: 04/24/2000  
Time Collected: 10:15 EDT  
Date Received: 04/24/2000  
Time Received: 13:44  
Project Manager: Clay C. Cherry  
Plant: SQN  
Project Account Code: 000X1PQ  
Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	2.5	mg/L	0.01	04/27/2000	13:25	LRP	EPA 200.7



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Diedra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SW #20

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA05094

LIF ID: 00040157

Matrix: Water

Date Collected: 04/24/2000

Time Collected: 12:30 EDT

Date Received: 04/24/2000

Time Received: 13:44

Project Manager: Clay C. Cherry

Plant: SQN

Project Account Code: 000X1PQ

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.39	mg/L	0.01	04/27/2000	13:29	LRP	EPA 200.7



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Deidre Nida  
SB-2A

Location Code: MISC  
Field ID: SQN SW#8

Sample Description: Fe

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA10521

LIF ID: 00090086

Matrix: Water

Date Collected: 09/12/2000

Time Collected: 14:20 EDT

Date Received: 09/13/2000

Time Received: 14:07

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code:

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	1.6	mg/L	0.01	09/18/2000	10:17	WEB	EPA 200.7
Metals Digestion for ICP		Complete			09/15/2000	13:41	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Deidra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SQN NPDES

Sample Description: SW #9

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA11025

LRF ID: 00090156

Matrix: Water

Date Collected: 09/24/2000

Time Collected: 19:10 EDT

Date Received: 09/25/2000

Time Received: 13:38

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	3.5	mg/L	0.01	09/28/2000	8:57	WEB	EPA 200.7
Metals Digestion for ICP		Complete			09/27/2000	15:18	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Deidra Nida  
SB 2A-SQN

Location Code: SQN  
Field ID: SQN NPDES

Sample Description: SW #15

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA11026

LRF ID: 00090156

Matrix: Water

Date Collected: 09/24/2000

Time Collected: 19:35 EDT

Date Received: 09/25/2000

Time Received: 13:38

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.85	mg/L	0.01	09/28/2000	8:57	WEB	EPA 200.7
Metals Digestion for ICP		Complete			09/27/2000	15:18	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Deidre Nida  
SB-2A

Location Code: MISC  
Field ID: SQN SW#16

Sample Description: Fe

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA10520

LIF ID: 00090086

Matrix: Water

Date Collected: 09/12/2000

Time Collected: 14:25 EDT

Date Received: 09/13/2000

Time Received: 14:07

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code:

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	1.1	mg/L	0.01	09/18/2000	10:17	WEB	EPA 200.7
Metals Digestion for ICP		Complete			09/15/2000	13:41	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Deidra Nida  
SB 2A-SQN

Sample ID: AA11027

LRF ID: 00090156

Matrix: Water

Location Code: SQN

Date Collected: 09/24/2000

Field ID: SQN NPDES

Time Collected: 19:20 EDT

Sample Description: SW #18

Date Received: 09/25/2000

Permit Number:

Time Received: 13:38

Discharge Number:

Project Manager: Scott R. McNabb

Method of Transport:

Plant: SQN

Cont. Flow (MGD):

Project Account Code: 000WQNY

pH (Field):

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	1.1	mg/L	0.01	09/28/2000	8:57	WEB	EPA 200.7
Metals Digestion for ICP		Complete			09/27/2000	15:18	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Rick Nunley  
SB 2A-C

Location Code: SQN  
Field ID: SW #8

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA12954

LRF ID: 00110136

Matrix: Water

Date Collected: 11/16/2000

Time Collected: 14:30 EST

Date Received: 11/17/2000

Time Received: 13:17

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.49	mg/L	0.01	11.21/2000	17:08	WEB	EPA 200.7
als Digestion for ICP		Complete			11.21/2000	10:41	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Rick Nunley  
SB 2A-C

Location Code: SQN  
Field ID: SW #9

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA12955

LRF ID: 00110136

Matrix: Water

Date Collected: 11/16/2000

Time Collected: 14:52 EST

Date Received: 11/17/2000

Time Received: 13:17

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	3.8	mg/L	0.01	11/21/2000	17:08	WEB	EPA 200.7
Acid Digestion for ICP		Complete			11/21/2000	10:41	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Rick Nunley  
SB 2A-C

Location Code: SQN  
Field ID: SW #16

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA12956

LRF ID: 00110136

Matrix: Water

Date Collected: 11/16/2000

Time Collected: 14:10 EST

Date Received: 11/17/2000

Time Received: 13:17

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	0.37	mg/L	0.01	11/21/2000	17:08	WEB	EPA 200.7
Metals Digestion for ICP		Complete			11/21/2000	10:41	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
ENVIRONMENTAL CHEMISTRY LABORATORY  
1101 Market Street, CC 1A-C  
Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Rick Nunley  
SB 2A-C

Location Code: SQN  
Field ID: SW #18

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

pH (Field):

Sample ID: AA12957

LRF ID: 00110136

Matrix: Water

Date Collected: 11/16/2000

Time Collected: 16:45 EST

Date Received: 11/17/2000

Time Received: 13:17

Project Manager: Scott R. McNabb

Plant: SQN

Project Account Code: 000WQNY

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	3.6	mg/L	0.01	11/21/2000	17:08	WEB	EPA 200.7
stals Digestion for ICP		Complete			11/21/2000	10:41	MAA	

Sample Comments: None



TENNESSEE VALLEY AUTHORITY  
 ENVIRONMENTAL CHEMISTRY LABORATORY  
 1101 Market Street, CC 1A-C  
 Chattanooga, Tennessee 37402-2801

## NPDES Final Data Report

Customer Address: Rick Nunley  
 SB 2A-C

Sample ID: AA12958

LRF ID: 00110136

Matrix: Water

Location Code: SQN

Date Collected: 11/16/2000

Field ID: SW #19

Time Collected: 16:53 EST

Sample Description: IRON

Date Received: 11/17/2000

Permit Number:

Time Received: 13:17

Discharge Number:

Project Manager: Scott R. McNabb

Method of Transport:

Plant: SQN

Cont. Flow (MGD):

Project Account Code: 000WQNY

pH (Field):

Regulation: NPDES

Analyte	CAS Number <sup>1</sup>	Result	Units	MDL <sup>2</sup>	Analysis Date	Analysis Time	Analyst	Method Reference
Iron, Total	7439-89-6	2.8	mg/L	0.01	11/21/2000	17:08	WEB	EPA 200.7
Metals Digestion for ICP		Complete			11/21/2000	10:41	MAA	

Sample Comments: None