



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

August 29, 2006

Environmental Resource Associates
PT Data Group
6000 West 54th Avenue
Arvada, Colorado 80002

To Whom It May Concern:

2006 DISCHARGE MONITORING REPORT – QUALITY ASSURANCE (DMR-QA) STUDY 26

The results of the 2006 DMR-QA Study 26 Laboratory Performance Evaluation obtained by TVA Sequoyah Nuclear Plant and supporting Laboratories are enclosed as required by NPDES Permit TN0026450.

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

Sincerely,

Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
J. Randy Douet
Site Vice President
Sequoyah Nuclear Plant

Enclosure
cc (Enclosure)

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

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

Mr. Wayne Turnbull
EPA Region IV
SESD/MTSB/QAS
980 College Station Road
Athens, Georgia 30605-2720

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

IE25
D030

USEPA

DMR-QA 26

NPDES PERMITTEE DATA REPORT FORM



ENVIRONMENTAL
RESOURCE ASSOCIATES,
The Industry Standard™

USEPA NPDES TN0026450

Permit Number:

Permit Extension:

Permittee/Facility Name and Address

Permittee Name: **TVA - Sequoyah Nuclear Plant**

Facility Name(if any):

Facility Address: **PO Box 2000**

Mailstop: SB-2A-SQN

City: **Soddy-Daisy** State: **TN** Zip: **37384-2000**

Certification by Permit Holder or Authorized Representative

Name of Certifying Official: **Stephanie A. Howard** Phone Number: **423-843-6700**

Title: **Principal Environmental Engineer** Fax Number: **423-843-7080**

Email Address: **sahoward@tva.gov**

Mailing Address:
(enter only if different from address above)

City: State: Zip:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) Permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or another laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: **Stephanie A. Howard** **J. Randy Douet, SON** **Site Vice President** Date Signed: **8, 29, 2006**

Please make corrections in boxes above

USEPA
DMR-QA 26

IDENTIFICATION OF ALL
CHEMISTRY & WET
LABORATORIES



ENVIRONMENTAL
RESOURCE ASSOCIATES,
The Industry Standard™

USEPA NPDES TN0026450

Permit Number:

Permit Extension:

Laboratory Name and Address:

USEPA
Assigned
Lab Code:

Lab
Analysis
Put an "X" in all
boxes that apply

Lab
Type
Put an "X" in the box
that applies

Chem

WET

In-
House

Contract

Name: TVA Central Laboratory Service

Address: 4601 N Access Rd Bldg A

(Line 1)

Address: Chattanooga Dist Center

(Line 2)

City: Chattanooga

State: TN

Zip: 37415

TN00016

Name: Environmental Testing Solution

Address: PO Box 7565

(Line 1)

Address:

(Line 2)

City: Asheville

State: NC

Zip: 28802

NC01230

Name: TVA Sequoyah Nuclear Plant

[Grid of 24 empty boxes]

Address: P.O. Box 2000

(line 1)

[Grid of 24 empty boxes]

Address: Mailstop: SB-2A-SQN

(line 2)

[Grid of 24 empty boxes]

City: Soddy-Daisy

[Grid of 16 empty boxes]

State: TN

[Grid of 2 empty boxes]

Zip: 37384-2000

[Grid of 10 empty boxes]

TN00999

[Grid of 6 empty boxes]



[Empty box]



[Empty box]

Please make corrections in boxes above



ENVIRONMENTAL
RESOURCE ASSOCIATES

DMR-QA 26 Data Reporting Form

NPDES Permit #: TN0026450

Permittee Name: TVA - Sequoyah Nuclear Plant

Laboratory: TVA Sequoyah Nuclear Plant

USEPA Lab Code: TN00999

Customer Number: T2033-02

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YY	Report* For DMRQA
<i>pH - Method 1</i>						
0019	pH	7.44	S.U.	EPA 150.1	08/15/06	<input checked="" type="checkbox"/>
<i>Total Residual Chlorine - Method 1</i>						
0098	Total Residual Chlorine	1.06	mg/L	EPA 330.4	07/06/06	<input checked="" type="checkbox"/>

*** Permittees**

An 'X' in the box indicates you have chosen this analyte to appear on your final report.



ENVIRONMENTAL
RESOURCE ASSOCIATES

DMR-QA 26 Data Reporting Form

NPDES Permit #: TN0026450

Permittee Name: TVA - Sequoyah Nuclear Plant

Laboratory: Environmental Testing Solutions, Inc.

USEPA Lab Code: NC01230

Customer Number: E5597-01

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YY	Report* For DMRQA
<i>Fathead minnow (EPA Test Code 15) - Method 1</i>						
0808	Fathead minnow - MHSF - IC25 (ON) Growth	29.5	%	EPA 1000.0	07/11/06	<input checked="" type="checkbox"/>
<i>Ceriodaphnia dubia (EPA Test Code 21) - Method 1</i>						
0767	Ceriodaphnia - MHSF - IC25 Reproduction	47.1	%	EPA 1002.0	06/13/06	<input checked="" type="checkbox"/>

*** Permittees**

An 'X' in the box indicates you have chosen this analyte to appear on your final report.



ENVIRONMENTAL
RESOURCE ASSOCIATES

DMR-QA 26 Data Reporting Form

NPDES Permit #: TN0026450

Permittee Name: TVA - Sequoyah Nuclear Plant

Laboratory: TVA Central Laboratory Services

USEPA Lab Code: TN00016

Customer Number: T2033-01

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YY	Report* For DMRQA
Hardness - Method 1						
0072	Non-Filterable Residue (TSS)	49	mg/L	EPA 160.2	06/28/06	<input checked="" type="checkbox"/>
Complex Nutrients - Method 1						
0035	Total phosphorus as P	1.54	mg/L	EPA 365.4	07/20/06	<input checked="" type="checkbox"/>
Oil & Grease - Method 1						
0104	Oil & Grease (Gravimetric)	57	mg/L	EPA 1664	06/30/06	<input checked="" type="checkbox"/>
Trace Metals - Method 1						
0007	Copper	498	µg/L	EPA 220.2	08/15/06	<input checked="" type="checkbox"/>
0008	Iron	455	µg/L	EPA 200.7	07/14/06	<input checked="" type="checkbox"/>

*** Permittees**

An 'X' in the box indicates you have chosen this analyte to appear on your final report.

Permittee: TVA-SQN
 Permit Number: TN0026450

NPDES Testing Required	PT Samples Ordered	Analyte Test	Test Completed/Reported	
			On-Site Lab	Contract Lab
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Misc. Analytes Non-Filterable Residue (TSS) Oil and Grease pH Total Cyanide Total Phenolics (4-AAP) Total Residual Chlorine Settleable Solids Turbidity	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Stephanie A. Howard
 Print Name
Stephanie A. Howard Principal Environmental Engineer 8/29/2006
 Signature/Title Date

Signatory authority for J. Randy Douet, SON Site Vice President

Permittee: Provide a copy of this checklist to your in-house and contract laboratories with the analytes that you want them to test for during Study 26 selected. This checklist must be included with the final Data Package that you are required to send to your DMR-QA Coordinator and PT Provider by September 1, 2006.