



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

August 27, 2008

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

To Whom It May Concern:

2008 DISCHARGE MONITORING REPORT – QUALITY ASSURANCE (DMR-QA) STUDY 28

The results of the 2008 DMR-QA Study 28 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
Timothy P. Cleary
Site Vice President
Sequoyah Nuclear Plant

Enclosure

cc (Enclosure)

Mr. Vojin Janjic
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

Mr. Ray Terhune
US EPA Region IV
SESD/MTSB/QAS
980 College Station Road
Athens, Georgia 30605-2720

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

JEAS
NRK

USEPA DMR-QA 28

NPDES PERMITTEE DATA REPORT FORM



USEPA NPDES: TN0026450

Permit #:

Permit Ext:

Permittee Name: TVA - Sequoyah Nuclear Plant

Facility Address: P.O. Box 2000

Mailstop: SB-2A-SQN

City: Soddy-Daisy

State: TN

Postal Code: 37384-2000

Phone Number: 423-843-6700

Fax Number: 423-843-7080

E-mail address: sahoward@tva.gov

For DMR-QA Study 27, conducted in 2007, the Permittee:

Received Samples

Yes No

Submitted Data

Yes No

Received a Report in Response

Yes No

Certification by Permit Holder or Authorized Representative

(as per 40 C.F.R. Section 122.22)

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 from independent analyses conducted by us or any other 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.

Name of

Certifying Official: Stephanie A Howard

Title: Principal Environmental Engineer

Signature: Stephanie A Howard

Date Signed: 8/27/2008

Mailing Address: PO Box 2000

Signatory authority for Timothy P. Cleary, SON Site Vice President

(enter only if different from address above)

Mailstop: SB-2A-SQN

City: Soddy-Daisy

State: TN

Postal Code: 37384-2000

Phone Number: 423-843-6700

E-mail address: sahoward@tva.gov

United States

ENVIRONMENTAL PROTECTION AGENCY



Laboratory Performance Evaluation
 Laboratory DMR-QA Evaluation Study 28

USEPA NPDES Permit #: TN0026450

Permit Ext:

Identification of all CHEM, MICRO and TOX laboratories who did analyses for this permit

Name of Laboratory	Address of Laboratory	U.S. EPA Lab Code	Lab Analysis			Lab Type
			Check box(es) that apply			
			CHEM	MICRO	TOX	
Environmental Science Corp	12065 Lebanon Rd. Mt Juliet, TN 37122	TN00003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C
Environmental Testing Solutions, Inc.	PO Box 7565 Asheville, NC 28802-7565	NC01230	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	C
TVA - Sequoyah Nuclear Plant	P.O. Box 2000 Mailstop: SB-2A-SQN Soddy-Daisy, TN 37384-2000	TN00999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F/I

Lab Types: C = Commercial F = Federal G = Local Government I = Industrial O = Other S = State
 Lab Types: C = Commercial F = Federal G = Local Government I = Industrial O = Other S = State
 Lab Types: C = Commercial F = Federal G = Local Government I = Industrial O = Other S = State



NPDES Permit #: TN0026450

Permittee Name: TVA - Sequoyah Nuclear Plant

Laboratory: TVA - Sequoyah Nuclear Plant

USEPA Lab Code: TN00999

Customer Number: T203302

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
pH						
0019	pH	6.82	S.U.	SM4500H+ B	08/25/2008	<input checked="" type="checkbox"/>
Total Residual Chlorine						
0098	Total Residual Chlorine	0.65	mg/L	SM4500Cl G	07/24/2008	<input checked="" type="checkbox"/>

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.





NPDES Permit #: TN0026450

Permittee Name: TVA - Sequoyah Nuclear Plant

Laboratory: Environmental Testing Solutions, Inc.

USEPA Lab Code: NC01230

Customer Number: E559701

Anal. No.	Test Conditions / Endpoint	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
Fathead minnow (Test Code 15)						
0808	IC25 (ON) Growth	31.5	%	EPA1000.0	05/20/2008	<input checked="" type="checkbox"/>
Ceriodaphnia dubia (Test Code 21)						
0767	IC25 Reproduction	31.3	%	EPA1002.0	05/13/2008	<input checked="" type="checkbox"/>

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.





NPDES Permit #: TN0026450

Permittee Name: TVA - Sequoyah Nuclear Plant

Laboratory: Environmental Science Corp

USEPA Lab Code: TN00003

Customer Number: E552301

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
Hardness						
0072	Non-Filterable Residue (TSS)	70.5	mg/L	SM2540D	07/22/2008	<input checked="" type="checkbox"/>
Complex Nutrients						
0035	Total phosphorus as P	8.25	mg/L	EPA 365.1	08/08/2008	<input checked="" type="checkbox"/>
Oil & Grease						
0104	Oil & Grease (Gravimetric)	45.2	mg/L	EPA 1664A SPE	08/19/2008	<input checked="" type="checkbox"/>
Trace Metals						
1025	Boron	995.	µg/L	EPA 200.7	08/15/2008	<input checked="" type="checkbox"/>
0007	Copper	334.	µg/L	EPA 200.8	08/19/2008	<input checked="" type="checkbox"/>
0008	Iron	1740.	µg/L	EPA 200.7	08/15/2008	<input checked="" type="checkbox"/>

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.

