

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

Chattanooga Environmental Assistance Center

Division of Water Pollution Control

State Office Building, Suite 550

540 McCallie Avenue

Chattanooga, Tennessee 37402-2013

Mr. Ray Terhune
US 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



USEPA DMR-QA 28

NPDES PERMITTEE DATA REPORT FORM



-	USEPA NPDES	TN0026450							
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City	Facility Address: P.C. Box 2000 Mailstop: SB-ZA-SQN City: Soddy-Daisy State: TN Postal Code: 37384-2000 Phone Number: 423-843-6700 Fax Number: 423-843-7080 E-mail address: showard@tv_gov E-mail address: showard@tv_gov E-mail address: Showard@tv_gov Certification by Permit Holder or Authorized Representative (as per 40 C.F.R. Section 122-22) 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 representative (as per 40 C.F.R. Section 122-22) 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 representative penalty of the pen								
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For DMR-QA Study 27, conducted in 2007, the Permittee: Received Samples Submitted Data Received a Report in Response Yes No Yes No Certification by Permit Holder or Authorized Representative (as per 40 CFR. Section 122.22) I certify under penalty of law that this document and all attachments were repared under my direction or supervision in accordance with a system designed to assure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly produced from a single analytical run using the analytical run using the analytical run using the analytical system that runtimely personnel property electrons who persons the direction of the person of persons who manage the system, or those persons directly produced from a single analytical run using the analytical run using the analytical system that runtimely personnel transporter value was produced from a single analytical run using the analytical system that runtimely personne these early seed to the seed of the see									
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United States

ENVIRONMENTAL PROTECTION AGENCY ENVIRONMENTAL RESOURCE ASSOCIATES. The Industry Standard*



Laboratory Performance Evaluation Laboratory DMR-QA Evaluation Study 28

USEPA NPDES Permit #: TN0026450

Permit Ext:

Identification of al	I CHEM, MICRO and TOX lab	oratories who			_	ermit	
Name of Laboratory	Address of Laboratory	U.S. EPA Lab Code	Lab Analysis Check box(es) that apply			Lab Type	
			CHEM	MICRO	тох		
Environmental Science Corp	12065 Lebanon Rd. Mt Juliet,TN 37122	TN00003	X			C	
Environmental Testing Solutions, Inc.	PO Box 7565 Asheville,NC 28802-7565	NC01230			X	C	
TVA - Sequoyah Nuclear Plant	P.O. Box 2000 Mailstop: SB-2A-SQN Soddy-Daisy,TN 37384-2000	TN00999	X			FII	
Lab Types: C = Commer	rcial F = Federal G = Local G	overnment I = I	Industrial	0 =	Other	S = State	
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Lab Types: C = Commer	rcial F = Federal G = Local G	overnment I = I	Industrial	0 =	Other	S = State	



DMRQA-28 Data Reporting Form

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	
	рН				,	
0019	рН	6.82	S.U.	SM4500H+ B	08/25/2008	х
	Total Residual Chlorine					
0098	Total Residual Chlorine	0.65	mg/L	SM4500Cl G	07/24/2008	х

* 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.







DMRQA-28 Data Reporting Form

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	х
]	Ceriodaphnia dubia (Test Code 21)		· · · · · · · · · · · · · · · · · · ·		 	
0767	IC25 Reproduction	31.3	%	EPA1002.0	05/13/2008	x

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.





^{*} For Permittee Use Only:



WP-162 Data Reporting Form

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				4	
0072	Non-Filterable Residue (TSS)	70.5	mg/L	SM2540D	07/22/2008	х
	Complex Nutrients				5.	
0035	Total phosphorus as P	8.25	mg/L	EPA 365.1	08/08/2008	х
ä	Oil & Grease					
0104	Oil & Grease (Gravimetric)	45.2	mg/L	EPA 1664A SPE	08/19/2008	х
·	Trace Metals					
1025	Boron .	995.	µg/L	EPA 200.7	08/15/2008	х
0007	Copper	334.	μg/L	EPA 200.8	08/19/2008	х
8000	Iron	1740.	μg/L	EPA 200.7	08/15/2008	х

* 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.



