



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

August 29, 2005

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

To Whom It May Concern:

2005 DISCHARGE MONITORING REPORT – QUALITY ASSURANCE (DMR-QA) STUDY 25

The results of the 2005 DMR-QA Study 25 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)

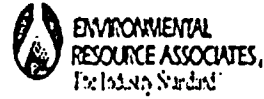
Mr. Mark McAdoo
State of Tennessee
Department of Environment and Conservation
Division of Water Pollution Control
Enforcement & Compliance Section
6th Floor, L&C Annex
401 Church Street
Nashville, Tennessee 37243-1534

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
ESD/ASB/LE&QAS
980 College Station Road
Athens, Georgia 30605-2720

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

IE25



Permittee/Facility Name and Address

Permittee Name: TVA - Sequoyah Nuclear Plant

Facility Name (if any):

Facility Address: PO Box 2000

Mallstop: SB-2A-SQN

City: Soddy-Daisy

State: TN

Zip: 37384-2000

Name of

Certification by Permit Holder or Authorized Representative

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

PRINCIPAL ENVIRONMENTAL ENGINEER
SIGNATORY AUTHORITY FOR T. RANDY DOWDY
SITE VICE PRESIDENT
SEQUOYAH NUCLEAR PLANT

Date Signed: 8, 29, 2005



ENVIRONMENTAL
RESOURCE ASSOCIATES,

DMR-QA 25 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	6.43	S.U.	EPA 150.1	08/02/05	<input checked="" type="checkbox"/>
<i>Total Residual Chlorine - Method 1</i>						
0098	Total Residual Chlorine	1.17	mg/L	EPA 330.4	07/14/05	<input checked="" type="checkbox"/>

* Permittees

If using for DMR-QA 25, 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.



ENVIRONMENTAL
RESOURCE ASSOCIATES,

DMR-QA 25 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>Ceriodaphnia dubia (EPA Test Code 21) - Method 1</i>						
0767	Ceriodaphnia - MHSF - IC25 Reproduction	57.2	%	EPA1002	06/21/05	<input checked="" type="checkbox"/>
<i>Fathead minnow (EPA Test Code 15) - Method 1</i>						
0808	Fathead minnow - MHSF - IC25 (ON) Growth	32.0	%	EPA1000	06/21/05	<input checked="" type="checkbox"/>

*** Permittees**

If using for DMR-QA 25, 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.



ENVIRONMENTAL
RESOURCE ASSOCIATES, P.C.

DMR-QA 25 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
Complex Nutrients - Method 1						
0035	Total phosphorus as P	2.72	mg/L	EPA 365.4	06/30/05	<input checked="" type="checkbox"/>
Grease and Oil - Method 1						
0104	Grease & Oil (Gravimetric)	38	mg/L	EPA 1664A	07/06/05	<input checked="" type="checkbox"/>
Hardness - Method 1						
0072	Non-Filterable Residue (TSS)	55	mg/L	EPA 160.2	06/16/05	<input checked="" type="checkbox"/>
Trace Metals - Method 1						
1025	Boron	1430	µg/L	EPA 200.7	06/22/05	<input checked="" type="checkbox"/>
0007	Copper	431	µg/L	EPA 220.2	06/21/05	<input checked="" type="checkbox"/>
0008	Iron	317	µg/L	EPA 200.7	06/22/05	<input checked="" type="checkbox"/>

*** Permittees**

If using for DMR-QA 25, 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.

Permittee: TVA-SEQUOYAH NUCLEAR PLANT

Permit Number: TN0026450

Analyte Checklist DMR-QA Study 25

NPDES Testing Requirement	Test Sample Ordered	Test Substance	Test Completed
<input type="checkbox"/>	<input type="checkbox"/>	Aluminum	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Arsenic	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Cadmium	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Chromium	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Cobalt	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Copper	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Iron	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Lead	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Manganese	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Mercury	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Nickel	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Selenium	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Vanadium	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Zinc	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Ammonia	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Nitrate	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Orthophosphate	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Total Kjeldahl nitrogen	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Total Phosphorus	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	COD	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	TOC	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	5-day BOD	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5-day carbonaceous BOD	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	pH	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Total cyanide	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Non-filterable residues (TSS)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Oil and grease	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	Total Phenol (by the 4AAP method)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Total residual chlorine	<input checked="" type="checkbox"/>

Signed: Stephanie A. Howard Date: 8/29/2005

Contract Laboratory: This check list is to be used according to the instructions provided by the permittee.

Permittee: Return this check list with the final package sent to your regulatory authority.

→ PRINCIPAL ENVIRONMENTAL ENGINEER
SIGNATORY AUTHORITY FOR J. RANDY DOUET
SITE VICE PRESIDENT
SEQUOYAH NUCLEAR PLANT