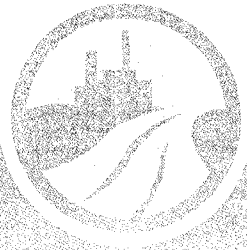


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ENVIRONMENTAL DOCUMENT TYPE:
KIF NPDES Permit Compliance
Records (DMR-QA Study 28 Final
Results)

Ronald C. Hall
TVA Kingston Fossil Plant
714 Swan Pond Rd
Harriman, TN 37748-8327

DMR-QA 28



Final Report

DMR-QA Proficiency Testing

DMR-QA Study

Open Date: 05/01/08

Close Date: 08/29/08

Report Issued Date: 10/17/08

October 18, 2008

Ronald C. Hall
TVA Kingston Fossil Plant
714 Swan Pond Rd
Harriman, TN 37748-8327

Enclosed is your final report for ERA's DMR-QA 28 Proficiency Testing study. Your final report includes an evaluation of every result submitted by your facility to ERA. Please note that reports were sent on your behalf to both the USEPA DMR-QA office and your state or regional DMR-QA Coordinator.

If you have any "Not Acceptable" evaluations for the DMR-QA 28 study, a letter of corrective action and an order form for the required remedial samples are attached for your convenience. If you have a "Not Acceptable" evaluation, but there is not an order form or a list of standards for your in-house or outside laboratories, ERA recommends that you contact your DMR-QA Coordinator for their corrective action requirements, if any.

Thank you for your participation in ERA's DMR-QA 28 Proficiency Testing study. If you have any questions, please contact myself or Curtis Wood, Director of Regulatory Affairs and Business Development, at 1-800-372-0122.

Sincerely,



Shawn Kassner
Proficiency Testing Manager



Curtis J. Wood
Quality Assurance Director

attachments
smk

DMRQA-28 Definitions & Study Discussion

Study Dates: 05/01/08 - 08/29/08

Report Issued: 10/17/08

DMRQA Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current USEPA/NELAC FoPT tables. A parameter not added to the standard is given an Assigned Value of "0" per the guidelines contained in the USEPA's Criteria Document and NELAC standards.

The Acceptance Limits are established per the criteria contained in the most current USEPA/NELAC FoPT tables, or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

- Acceptable = Reported Value falls within the Acceptance Limits.
- Not Acceptable = Reported Value falls outside the Acceptance Limits.
- No Evaluation = Reported Value cannot be evaluated.
- Not Reported = No Value reported.

The Method Description is the method the laboratory reported to ERA.

DMRQA Study Discussion

ERA's DMR-QA 28 Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the USEPA's National Standards for Water Proficiency Testing Studies Criteria Document (December 1998), and the criteria contained in the most current NELAC FoPT tables.

ERA's DMR-QA 28 study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the USEPA's National Criteria Document for Water Proficiency Testing Studies, December 1998, and the criteria contained in the most current NELAC FoPT tables.

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's DMR-QA 28 study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's DMRQA Proficiency Testing program, please contact Shawn Kassner, Proficiency Testing Manager, or Curtis Wood, Director of Regulatory Affairs and Business Development, at 1-800-372-0122.



Study: **DMRQA-28**
NPDES Permit #: **TN0005452**
Laboratory Name: **TVA Kingston Fossil
Plant**

Inorganic Results



DMRQA-28 Final Complete Report

NPDES Permit #: TN0005452
Permit Holder: Ronald C. Hall
Plant Manager
TVA Kingston Fossil Plant
714 Swan Pond Rd
Harriman, TN 37748-8327
865-717-2180

ERA Customer Number: T815501
Report Issued: 10/17/08
Study Dates: 05/01/08 - 08/29/08

Analyte	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Units	Method Description	USEPA Lab Code	Study
pH								
pH	Acceptable	6.79	6.80	6.60 - 7.00	S.U.	EPA 150.1	TN01007	DMRQA28
Hardness								
Non-Filterable Residue (TSS)	Acceptable	70.5	76.0	61.7 - 84.9	mg/L	EPA 160.2	TN00003	WP162
Simple Nutrients								
Ammonia as N	Acceptable	10.8	10.8	8.00 - 13.5	mg/L	EPA 350.1	TN00003	WP162
Oil & Grease								
Oil & Grease (Gravimetric)	Acceptable	45.2	65.0	43.8 - 77.6	mg/L	EPA 1664A SPE	TN00003	WP162
Total Residual Chlorine								
Total Residual Chlorine	Acceptable	0.80	0.792	0.573 - 0.992	mg/L	HACH 8167	AL01016	DMRQA28
Trace Metals								
Copper	Acceptable	331	352	317 - 388	µg/L	EPA 200.7	TN00003	WP162
Iron	Acceptable	1740	1690	1500 - 1900	µg/L	EPA 200.7	TN00003	WP162



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01



Study: **DMRQA-28**
NPDES Permit #: **TN0005452**
Laboratory Name: **TVA Kingston Fossil
Plant**

WET Results



DMRQA-28 Final Complete Report

NPDES Permit #: TN0005452
 Permit Holder: Ronald C. Hall
 Plant Manager
 TVA Kingston Fossil Plant
 714 Swan Pond Rd
 Harriman, TN 37748-8327
 865-717-2180

ERA Customer Number: T815501
 Report Issued: 10/17/08
 Study Dates: 05/01/08 - 08/29/08

Test End Point	Performance Evaluation	Reported Value %	Assigned Value %	Acceptance Limits %	Method Description	USEPA Lab Code	Study
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Fathead minnow (Test Code 15)
7-day Short term Chronic, Daily Renewal, MHSF
Ammonium phosphate dibasic

IC25 (ON) Growth	Acceptable	31.5	31.1	15.9 - 46.2	EPA1000.0	NC01230	DMRQA28
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Ceriodaphnia dubia (Test Code 21)
7-day Short term Chronic, Daily Renewal, MHSF
Potassium chloride

IC25 Reproduction	Acceptable	31.3	27.8	14.6 - 41.1	EPA1002.0	NC01230	DMRQA28
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