



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

February 19, 2009

Chattanooga Environmental Field Office
Division of Water Pollution Control
State Office Building, Suite 550
540 McCallie Avenue
Chattanooga, Tennessee 37402

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT - TENNESSEE STORM WATER MULTI-SECTOR GENERAL PERMIT FOR INDUSTRIAL ACTIVITIES PERMIT NO. TNR050000 SECTOR O EXCEEDANCE OF THE MONITORING CUT-OFF CONCENTRATION

Please find enclosed the thirty day notification and the lab analysis for the exceedance of the monitoring cut-off concentration for total recoverable iron for Storm Water Outfall Nos. 2, 15, and 17.

Description of Event

Tennessee Storm Water Multi-Sector General Permit for Industrial Activities Sector O requires annual monitoring of total recoverable iron. Sequoyah Nuclear Plant sampled for total recoverable iron on January 10, 2009 and February 2, 2009. The storm water analytical monitoring results were received on January 22, 2009 and February 10, 2009. The cut-off concentration for total recoverable iron is 5.0 mg/L, as stated in Table O-1, Monitoring Requirements for Steam Electric Power Generating Facilities. The analytical monitoring results for Storm Water Outfalls Nos. 2, 15 and 17 were 11mg/L, 6.9mg/L, and 5.7mg/L respectively. See table below:

Storm Water Outfall No.	Sample Date	Received Result	Result	Cut-off Concentration
2	01/10/2009	01/22/2009	11mg/L	5.0mg/L
15	02/02/2009	02/10/2009	6.9mg/L	5.0mg/L
17	02/02/2009	02/10/2009	5.7mg/L	5.0mg/L

The Tennessee Storm Water Multi-Sector General Permit for Industrial Activities requires notifying the Division's local Environmental Assistance Center within 30 days from the time storm water monitoring results were received, describing the likely cause of the exceedance.

JEAS
C001

NRR

Likely Causes of the Exceedance

The likely causes of the exceedances of the cut-off concentration for total recoverable iron are elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling) and the need for additional best management practices (BMPs).

Sequoyah will enhance our BMPs such as adding more rip rap and gravel in the area to ensure that soil is adequately covered.

Please contact me at (423) 843-6700 or by email at sahoward@tva.gov if you have any questions or need additional information.

Sincerely,



Stephanie A. Howard
Principal Environmental Engineer
Signatory Authority for
Timothy P. Cleary
Site Vice President
Sequoyah Nuclear Plant

Enclosure
cc (Enclosure):

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



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Est. 1970

REPORT OF ANALYSIS

Ann.Hurt
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

January 22, 2009

Date Received : 01/15/09 12:25
Description : Annual Stormwater NPDES WW Samples
Sample ID : SW-2
Collected By : Amanda Holmes
Collection Date : 01/10/09 06:17

ESC Sample # : L383728-01
Site ID :
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	11.	0.10	mg/l	200.7	01/15/09	1507	457 01/16/09 1258	LRL

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Notes:

The reported analytical results relate only to the sample submitted
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REPORT OF ANALYSIS

Ann Hurt
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00
Description : Annual Storm NPDES WW Samples
Sample ID : SW 15
Collected By : William Earnest
Collection Date : 02/02/09 09:20

ESC Sample # : L386636-03

Site ID :

Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	6.9	0.10	mg/l	200.7	02/06/09 1045	428	02/07/09 1851	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

AIHA - 09227, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Ann Hurt
TVA-Sequoyah Nuclear Plant
P.O.Box 2000
Soddy-Daisy, TN 37384

February 10, 2009

Date Received : 02/05/09 12:00
Description : Annual Storm NPDES WW Samples
Sample ID : SW 17
Collected By : William Earnest
Collection Date : 02/02/09 08:40

ESC Sample # : L386636-01
Site ID :
Project # :

Parameter	Result	Det. Limit	Units	Method	Prep	PID	Analyzed	AID
Iron	5.7	0.10	mg/l	200.7	02/06/09 1043	428	02/07/09 2041	JBC

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Laboratory Certification Numbers:

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