



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

December 23, 2002

Chattanooga Environmental Assistance Center
Division of Water Pollution Control
State Office Building, Suite 550
540 McCallie Avenue
Chattanooga, Tennessee 37402-2013

Attention: Mike Kelley

Dear Mr. Kelley:

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 No. 2.

Please contact me at (423) 843-6700 if you have any questions or comments.

Sincerely,

Michael G. Beavers
Acting Environmental Supervisor
Signatory Authority for
Richard T. Purcell
Site Vice President
Sequoyah Nuclear Plant

Enclosures

cc (Enclosures):

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

IE25

**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**

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 November 15, 2002. The storm water analytical monitoring results were received on December 5, 2002. As stated in Table O-1, Monitoring Requirements for Steam Electric Power Generating Facilities, the cut-off concentration for total recoverable iron is 5.0 mg/L. The analytical monitoring results for Storm Water Outfall No. 2 showed a total recoverable iron concentration of 6.2 mg/L.

Likely Causes of the Exceedance:

Likely causes of the exceedance of the cut-off concentration for total recoverable iron are: (1) Background iron concentrations in the soil in the area of Storm Water Outfall No. 2 and/or (2) Increased industrial activity in the area surrounding Storm Water Outfall No. 2 due to the Steam Generator Replacement Project scheduled to be completed June 2003.

Certification Statement:

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 gathered and evaluated 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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Signature 
Michael G. Beavers

Title Acting Environmental Supervisor
Acting Environmental Supervisor



**TENNESSEE VALLEY AUTHORITY
CENTRAL LABORATORIES SERVICES**

**1101 Market Street, PSC 1B-C
Chattanooga, Tennessee 37402-2801**

Phone: (423) 876 - 4318 • Fax: (423) 876 - 4137

Data Report Number: 21205-155715

Report of Results: NPDES

Shipping Address
Chickamauga Power Service Center
North Side Chickamauga Reservation
Chattanooga, Tennessee 37415

NPDES Final Data Report

Customer Address: Pgm Admin Environmental

SB 2A-SQN

Phone 423-843-6700

Fax : 423-843-7080

E-Mail SQN Environmental

Location Code: SQN

Field ID: SW# 2

Sample Description: IRON

Permit Number:

Discharge Number:

Method of Transport:

Cont. Flow (MGD):

Sample ID: AC19134

LRF ID: 02110203

Matrix: Water

Date Collected: 11/15/2002

Time Collected: 16:28 EST

Date Received: 11/20/2002

Time Received: 10.12

Project Manager: Lisabeth R. Pearson

Plant: SQN

Project Account Code: 000WQYN

Regulation: NPDES

pH (Field):

Analyte	CAS Number	Result	Units	MDL ²	Analysis Date	Analysis	Method
						s	Analyst Reference
Metals Digestion for ICP		Complete			11/25/2002	13 48	MAA
Iron, Total	7439-89-6	6.2	mg/L	0 01	12/05/2002	10 13	LMJ EPA 200.7

Sample Comments: None