



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

September 21, 2010

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. TNR050015 SECTOR O EXCEEDANCE OF THE BENCHMARK MONITORING REQUIREMENT.

Please find enclosed the thirty day notification and the lab analysis for the exceedance of the benchmark monitoring requirement for total recoverable iron at Storm Water Outfall Nos. 1, 2, and 15.

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 re-sampled for total recoverable iron on August 17, 2010 based on high iron results earlier in the year (reference thirty day notification dated April 01, 2010). The analytical monitoring results for Storm Water Outfalls Nos. 1, 2, and 15 exceeded the benchmark monitoring requirement for total recoverable iron as stated in Table O-2, Benchmark Monitoring Requirements for Steam Electric Power Generating Facilities. Storm water 17 has not been re-sampled, to date, due to the lack of a qualifying event and/or no flow conditions.

TABLE 1						
Storm Water Outfall No.	Sample Date	Received Date	Original Sample Results (mg/L)	Backup Sample Results (mg/L)	Average Sample Results (mg/L)	Benchmark Monitoring Requirement (mg/L)
1	3/11/2010	3/19/2010	12.0	11.0	11.5	5.0
<b>resample 1</b>	<b>8/17/2010</b>	<b>8/30/2010</b>	<b>8.2</b>	-	-	5.0
2	3/02/2010	3/08/2010	6.3, 5.5, 5.2	4.3, 5.2, 5.2	5.3	5.0
<b>resample 2</b>	<b>8/17/2010</b>	<b>8/30/2010</b>	<b>8.6</b>	-	-	5.0
15	3/11/2010	3/19/2010	7.4	7.6	7.5	5.0
<b>resample 15</b>	<b>8/17/2010</b>	<b>8/30/2010</b>	<b>10</b>	-	-	5.0

The Tennessee Storm Water Multi-Sector General Permit for Industrial Activities requires informing the division's local Environmental Field Office (EFO) within 30 days from the time storm water monitoring results were received, describing the likely cause of the exceedance(s).

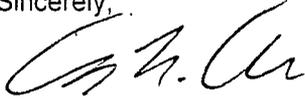
0001  
MLR

Likely Cause of the Exceedance(s)

The likely cause of the exceedance(s) of the benchmark monitoring requirement for total recoverable iron is elevated background iron concentration in the soil around the storm water outfalls (based on historical sampling). The placement of gravel, booms, and/or hay bales, in addition to general housekeeping occurred earlier in the year. However, a walk down of the outfalls revealed the need for additional ground cover such as gravel and rip rap on exposed soil.

If you have any questions or need additional information, please contact Stephanie Howard at (423) 843-6700 of Sequoyah's Environmental staff.

Sincerely,



Christopher R. Church  
Site Vice President  
Sequoyah Nuclear Plant

Enclosures

cc (Enclosures):

U.S. Nuclear Regulatory Commission

ATTN: Document Control Desk

Washington, D.C. 20555