



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

March 29, 2011

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 sixty day notification of the review of Sequoyah Nuclear Plant's Storm Water Pollution Prevention Plan (SWPPP) and summary of the Best Management Practices (BMPs) modifications and additions for the exceedance of the benchmark monitoring requirement for total recoverable iron at Storm Water Outfall Nos. 1, 2, and 9.

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 15, 2011 and January 16, 2011. The storm water analytical monitoring results were received on February 4, 2011. The analytical monitoring results for Storm Water Outfalls Nos. 1, 2, and 9 exceeded the benchmark monitoring requirement for total recoverable iron as stated in Table O-2, Benchmark Monitoring Requirements for Steam Electric Power Generating Facilities. The storm water event was triggered by accumulated snowfall and associated snow melt runoff. The analytical results can be seen tabulated below in Table 1.

Table 1. Storm Water Annual Iron Exceedance Values

Storm Water Outfall Number	Sample Date	Sample Analysis Received Date	Analytical Results (mg/L)	Benchmark Monitoring Requirement (mg/L)
1	1/15/2011	2/04/2011	16.0	5
2	1/16/2011	2/04/2011	9.0	5
9	1/15/2011	2/04/2011	5.7	5

COOL  
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Sequoyah Nuclear Plant's SWPPP has been reviewed to determine the modifications and additions to the plan which would assist in reducing the iron effluent concentration at Storm Water Outfall Nos. 1, 2, and 9. A brief summary of the proposed modifications, including a timetable for implementation, follows.

Storm Water No. 1

Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of rip-rap and grass.

The following modifications will be made by 6/10/11: Gravel will be added to the base of the hill prior to the culvert, rip rap will be added to the drainage ditch, and two check dams will be incorporated into the drainage ditch.

Storm Water No. 2

Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of crushed stone, gravel, and grass. Drainage ditches are equipped with check dams as BMPs.

The following modifications will be made by 6/10/11: More gravel will be added in the drainage area. Straw bales will be placed along the perimeter of the chemical injection skid.

Storm Water No. 9

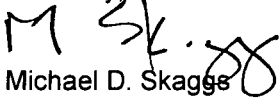
Per the SQN SWPPP, there are no paved surfaces in this drainage area. Ground cover consists of rip-rap and crushed stone.

The following modifications will be made by 06/10/11: Gravel will be added in the low lying and bare spots of the drainage area. Rip rap will be added to the drainage ditches and check dams will be incorporated. The existing straw bales will be replaced.

If you have any questions or need additional information, please contact Brad Love at (423) 843-6714 or Stephanie Howard at (423) 843-6700 of Sequoyah's Environmental staff.

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

Sincerely,



Michael D. Skaggs  
Site Vice President  
Sequoyah Nuclear Plant

cc:  
U.S. Nuclear Regulatory Commission  
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