

ENVIRONMENTAL DOCUMENT TYPE:

~~OF~~ NPDES PERMIT COMPLIANCE RECORDS

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February 6, 2003

Environmental Assistance Center - Knoxville  
Division of Water Pollution Control  
2700 Middlebrook Pike, Suite 220  
Knoxville, TN. 37921

Dear Sir:

TENNESSEE VALLEY AUTHORITY (TVA) - KINGSTON FOSSIL PLANT -  
NPDES PERMIT NO. TN0005452 - RED WATER SEEP INSPECTION  
ANNUAL REPORT

As required by the referenced permit, enclosed is the annual red water seep  
inspection report for 2002.

If you have any questions concerning this report, please contact Linda Campbell  
at (865)717-2157 in Kingston, Tennessee.

Sincerely,

*Earl L. Deskins*

Earl L. Deskins,  
Plant Manger  
Kingston Fossil Plant

LFC: *LFC*  
Enclosure

cc: J.K. Watts, LP 5D-C  
J.W. Shipp, Jr., MR 2T-C  
EDMS, EB 5G-C  
File

**KINGSTON FOSSIL PLANT  
NPDES PERMIT NO. TN0005452  
QUARTERLY RED WATER SEEP INSPECTION  
2002**

Quarterly red water seep inspections of ash pond dike and toe areas were conducted on March 07, June 21, September 13, and December 23, 2002. Results of these inspections are summarized below.

Seepage in Area 1 along Swan Pond Road had some standing water during quarterly inspections but had good vegetative cover. At the time of the December inspection, there was a lot of standing water with a slight sheen in two places.

Area 2 is along the Emory River behind dredge cell 2 and the north dike of the active and stilling ponds. A portion of the dike along the northern edge of the ash pond from dredge cell 2 to the skimmer wall has multiple seep areas. Some had very little seepage, some had standing water and one area had a flow of 3-5 gallons per minute (gpm). There were a few spots of sheen evident during the December inspection. At two areas, the seeps seem to have increased slightly from the previous year. Water was too high during the June and September inspections to detect any seeps.

Area 3 is along the west bank of the intake channel. On the portion of the dike from the skimmer wall to the intake, there were some areas of seeps that were flowing at approximately 1 to 2 gpm above summer pool as noted during the June and September inspections. Particular areas were from the tree lines to the trash boom at the intake. Some dead vegetation was noted due to staining in an area north of ground well 10.

Area 4 is the drainage ditch emptying into intake channel near unit 9 condenser intake. It is known as the "ash hole" that drains into the intake channel near Unit 9. Staining was evident during all inspections. Flow was approximately 20-30 gallons per minute (gpm).

Area 5, the area extending southerly from the intersection of plant road and Swan Pond Road had areas of minor staining, but very little water.

*I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See 18 U.S.C. Section 1001 and 33 U.S.C. Section 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)*



Plant Manager

2/6/03

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER/AGENT

Date Signed