

ENVIRONMENTAL DOCUMENT TYPE:

~~NPDES~~ ~~DIKE INSPECTION~~  
~~Report~~ Permit Compliance  
Record

February 19, 2002

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 - DIKE INSPECTION ANNUAL REPORT

As required by the referenced permit, enclosed is the annual ash pond dike/red  
water seep inspection report for 2001.

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: *LJC*

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  
2001**

Quarterly red water seep inspections of ash pond dike and toe areas were conducted on March 27, June 19, August 16 and December 05, 2001. Results of these inspections are summarized below.

Seepage in Area 1 along Swan Pond Road had limited standing water during quarterly inspections with no sheen and only minor staining. Good vegetative cover.

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 March inspection. Water was too high during the June and August 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 during the June and August inspections. Particular areas were from the tree lines to the trash boom at the intake. Some dead vegetation was noted, due to staining, in the June and August inspections 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 10-20 gallons per minute (gpm).

Area 6, 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

2-21-02

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER/AGENT

Date Signed