

TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

TVA Mailroom

JUL 28 1983

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Mr. John Marlar, Chief  
Facilities Performance Branch  
Water Management Division  
U.S. Environmental Protection Agency  
Region IV  
345 Courtland Street, NE.  
Atlanta, Georgia 30365

Dear Mr. Marlar:

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT  
NO. ALO022080 - BROWNS FERRY NUCLEAR PLANT

Description of the discharge--Discharge No. 006 - Sewage treatment plant effluent. A grab sample collected on July 12 and reported from the laboratory on July 18 contained 76 mg/L of total suspended solids (TSS), exceeding the permit limitations of 45 mg/L.

Cause and period of the noncompliance--Analysis of the sample for the required parameters yielded the following results.

<u>Parameter</u>	<u>Concentration</u>	<u>Maximum Permit Limitation</u>
BOD <sub>5</sub>	36 mg/L	45 mg/L
TSS <sub>5</sub>	76 mg/L	45 mg/L
Fecal Coliform	10 N/100 ml	400 N/100 ml
Chlorine Residual	1.5 mg/L	N/A

The instantaneous flow at the time of sample collection was 88,848 gpd and the daily totalizer flow averaged 53,600 gpd for two days before and including the date of sample collection. This high flow caused light, relatively inert solids to be washed over the clarifier weir causing the temporary noncompliance.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--The system overload has been studied and design changes are currently being reviewed. We plan to finalize the modification proposals in the near future.

Sincerely,

Original Signed By  
M. Paul Schmierbach

Mohamed T. El-Ashry, Ph.D.  
Director of Environmental  
Quality

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Mr. John Marlar

cc: Mr. Joe B. Broadwater, Director  
Alabama Department of  
Environmental Management  
State Capitol  
Montgomery, Alabama 36130

Director, Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555



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