

TENNESSEE VALLEY AUTHORITY
KNOXVILLE, TENNESSEE 37902

JUL 18 1984

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. AL0022080 - BROWNS FERRY NUCLEAR PLANT

Description of the discharge--Discharge No. 006 - Sewage treatment plant effluent. Analyses of grab samples collected in June had the following parameters to exceed the maximum permit limitations.

<u>Date</u>	<u>Parameter</u>	<u>Concentration</u>	<u>Maximum Limitations</u>
6/07	BOD ₅	120 mg/L	45 mg/L
	TSS ₅	59 mg/L	45 mg/L
6/12	BOD ₅	225 mg/L	45 mg/L
	TSS ₅	150 mg/L	45 mg/L
6/21	BOD ₅	90 mg/L	45 mg/L
	TSS ₅	540 mg/L	45 mg/L

Cause and period of the noncompliance--The sewage treatment plant is overloaded. High flows contributed directly to the noncompliances by washing solids over the clarifier weir.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--The chlorine contact tank is periodically pumped out to help reduce permit noncompliances resulting from overloaded conditions. A sewage treatment lagoon has been designed to replace the facility in 1984 and site preparation for construction has begun. The sewage treatment plant will be operated as close as possible to the permit limits until the lagoon is operational.

Sincerely,

Original signed by
Martin E. Rivers

Martin E. Rivers, Director
Environmental Quality

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Mr. John Marlar

cc: Mr. Joe B. Broadwater, Director
Alabama Department of
Environmental Management
1751 Federal Drive
Montgomery, Alabama 36130

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