

TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

TVA Mailroom

APR 23 1982



Mr. James R. Patrick, Jr., Acting Chief
Water Permits Branch, Water Management Division
U.S. Environmental Protection Agency, Region IV
345 Courtland Street, NE.
Atlanta, Georgia 30365

Dear Mr. Patrick:

NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT
NO. TN0026450 - SEQUOYAH NUCLEAR PLANT

50-327
Description of the discharge--Discharge No. 008 - Concrete batch plant settling pond effluent - Two samples (one a duplicate sample) collected at 4:35 p.m. on February 17, 1982 contained an average total suspended solids concentration of 275 mg/l, exceeding the daily maximum permit limitation of 50 mg/l. The instantaneous flow rate at the time of sampling was 0.19 MGD.

This discharge enters the condenser cooling water channel leading to the 32-acre diffuser pond that discharges through diffuser pipes to the Tennessee River. The daily flow volume from the diffuser pond on February 17 was 880 MGD. Therefore, we believe that the discharge had no adverse environmental effects on the Tennessee River.

Cause and period of the noncompliance--A 1.5 inch rainfall on February 17 contributed runoff from surrounding roadways and yard areas in amounts exceeding the capacity that the settling pond was intended to receive. In addition, a gradual buildup of sediment has reduced the settling capacity of the pond. As a result, efficient settling could not be achieved.

Samples collected at 9:50 a.m. on February 10 and at 12 noon on February 19 contained total suspended solids concentrations of 15 mg/l and 35 mg/l, respectively. Therefore, the period of noncompliance was less than 10 days.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--Runoff from areas surrounding the concrete batch plant, which is not directly affected by the batch plant activities, will be rerouted away from the settling pond. Also, sediments will be removed from the pond to increase the settling capacity. These sediments will be disposed of in an environmentally acceptable manner.

Sincerely,

for Mohamed T. El-Ashry, Ph.D.
Assistant Manager of Natural
Resources (Environment)

cc: (See page 2)

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Mr. James R. Patrick, Acting Chief

cc: Tennessee Department of Public Health
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