TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

MAR 5 1985

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

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

The enclosed notice of noncompliance was not included with the August discharge monitoring report (DMR) for the subject facility. However, these two noncompliances were noted in the DMR.

If you have questions, please call Michael Hines or Stephen R. Wells at (205) 386-2971 or FTS 872-8971 in Muscle Shoals, Alabama.

Sincerely,

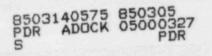
Original signed by Martin E. Rivers

Martin E. Rivers, Director Environmental Quality

Enclosure cc (Enclosure): <u>Mr. Harold R. Denton, Director</u>

Office of Nuclear Reactor Regulation Attn: Document Control Desk U.S. Nuclear Regulatory Commission 7920 Norfolk Avenue Washington, D.C. 20555

Mr. Jack R. McCormick, Manager Chattanooga Basin Office Division of Water Management 2501 Milne Street Chattanooga, Tennessee 37406



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Mr. John Marlar

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Mr. James P. O'Reilly, Regional Administrator Office of Inspection and Enforcement Region II 101 Marietta Street, NW, Suite 2900 Atlanta, Georgia 30303

Tennessee Department of Health and Environment Division of Water Management TERRA Building 150 Ninth Avenue, North Nashville, Tennessee 37203 NOTIFICATION OF NONCOMPLIANCE WITH EFFLUENT LIMITATIONS - NPDES PERMIT NO. TN0026450 - SEQUOYAH NUCLEAR PLANT (SQN)

Description of the discharge--Discharge No. 112 - Sewage treatment plant effluent. Grab samples collected at 0940 on August 8, 1984, and at 1225 on August 10, 1984, had total residual chlorine (TRC) concentrations of 6.1 and 2.5 mg/L, respectively, exceeding the permit limitation of 2.0 mg/L.

Cause and period of the noncompliance--Malfunction of the sodium hypochlorite (NaOC1) pumps caused the TRC noncompliances. Additional grab samples collected and analyzed were as follows.

Date	Time	TRC Concentrations (mg/L)
8/07	0745	0.1
8/09	0815	2.0
8/10	1615	1.8

Thus, the maximum periods of noncompliance for the August 8 and 10 noncompliances were approximately 26 hours and 4 hours, respectively.

Steps taken to reduce, eliminate, and prevent recurrence of the noncomplying discharge--The NaOC1 feed pumps have been repaired. Additionally, efforts are being made by SQN personnel to establish a steady TRC effluent concentration by varying concentrations of NaOC1 feed solutions and by adjusting the stroke(s) of the feed pump(s).