

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):

Mr. Harold R. Denton, Director  
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

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

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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 (NaOCl) pumps caused the TRC noncompliances. Additional grab samples collected and analyzed were as follows.

<u>Date</u>	<u>Time</u>	<u>TRC Concentrations (mg/L)</u>
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 NaOCl feed pumps have been repaired. Additionally, efforts are being made by SQN personnel to establish a steady TRC effluent concentration by varying concentrations of NaOCl feed solutions and by adjusting the stroke(s) of the feed pump(s).