

**TENNESSEE VALLEY AUTHORITY**  
KNOXVILLE, TENNESSEE 37902

JUN 30 1988

Mr. Philip L. Stewart, Manager  
Chattanooga Field Office  
Division of Water Pollution Control  
Tennessee Department of Health  
and Environment  
2501 Milne Street  
Chattanooga, Tennessee 37406-3399

Dear Mr. Stewart:

**WATTS BAR NUCLEAR PLANT (WBN) - NPDES PERMIT NO. TN0020168 - NOTICE OF VIOLATION (NOV) ON UNPERMITTED ESSENTIAL RAW COOLING WATER (ERCW) BACKWASH DISCHARGE**

This is a follow up to my June 9 letter. The temporary piping modifications to end the NOV were completed on June 17. ERCW strainer backwash water is not discharging to the wet end of the yard holding pond (YHP) placing WBN in compliance with the NPDES permit. The present system involves gravity flow to the dry end of the YHP, where a standpipe collects the ERCW wastewater. A pump, installed in the bottom of the standpipe, pumps the wastewater to the wet side of the YHP. This system will be employed until the repair work commences on the YHP.

Leak testing of the dry end of the YHP has been delayed; the schedule is currently under review. When the test begins, it will be continued for at least one month. After the test has been completed, a proposal for sealing the dry end of the YHP will be prepared. An engineering report will be submitted for your review and approval prior to initiating the work.

We will notify you when work commences on sealing the YHP. At that time, the standpipe and pump system must be removed in order to reline the entire pond area. The batch discharge of ERCW strainer backwash wastewater must be rerouted to overflow down the side wall of the intake pumping station, until the job is completed. Backwashes will be minimal and will be done manually. For work that occurs during the chlorination season, WBN will again stop chlorination and sample prior to backwashing to ensure no detectable chlorine is discharged into the intake channel. We request your office's concurrence with this temporary discharge while repairs are being made to the pond.

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Mr. Philip L. Stewart, Manager

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If your staff has any questions concerning this matter, please have them contact Madonna E. Martin at (615) 632-6695 in Knoxville.

Sincerely,



Ralph H. Brooks, Director  
Environmental Quality

cc: Mr. K. P. Barr, Acting Assistant Director  
for Inspection Programs  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW., Suite 2900  
Atlanta, Georgia 30323

Mr. Bruce R. Barrett, Director  
Water Management Division  
U.S. Environmental Protection Agency,  
Region IV  
345 Courtland Street, NE.  
Atlanta, Georgia 30365

Ms. S. C. Black, Assistant Director  
for Projects  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20857

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555