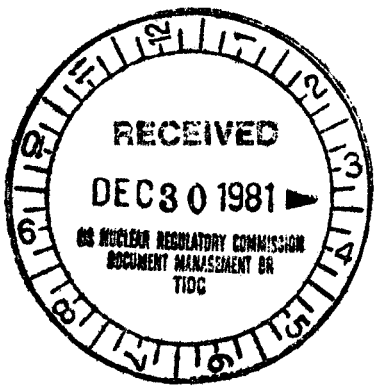
TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

December 24, 1981



Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

By letter dated September 23, 1981 from me to J. P. O'Reilly, TVA provided a final report concerning corrosion of carbon steel piping at Watts Bar Nuclear Plant. As specified in that report, TVA has completed a reevaluation of the Watts Bar Essential Raw Cooling Water (ERCW) system and found that changes must be made to ensure operability of the system over the plant life. These changes include applying a cement mortar lining to the existing carbon steel yard piping.

TVA is presently conducting tests to verify the structural integrity of the cement mortar lining for safety-related applications. The testing program consists of laboratory tests, field tests, and vibration measurements during shipping. A preliminary evaluation, based on the visual performance of the test specimens and the data which has been reduced, is that the cement mortar lining can be seismically qualified. This test program and TVA's evaluation is scheduled for completion in January 1982.

TVA is evaluating the need for changes in the FSAR. We expect to have this evaluation complete and changes, if any, submitted to you in January 1982.

Installation of the cement mortar lining of the yard piping for Watts Bar will be completed before unit 1 fuel loading.

If you have any questions concerning this matter, please get in touch with D. P. Ormsby at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Sworn to and subscribed before me
this 24th day of Dec. 1981.

Paulette H. White
Notary Public
My Commission Expires 9-5-84

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