

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

March 9, 1984

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

Dear Ms. Adensam:

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

By letter dated April 1, 1983, NRC requested that TVA, in order to establish compliance to the requirements of 10 CFR 50, Appendix A, General Design Criterion (GDC) 4, perform an evaluation of the environmental qualification of the safety-related mechanical equipment at the Watts Bar Nuclear Plant (WBN). By letter dated October 4, 1983, NRC requested that the following information regarding the environmental qualification of WBN safety-related mechanical equipment be submitted for NRC staff review: (1) a list of the safety-related mechanical equipment to be evaluated in the qualification program, (2) the results of the evaluations, and (3) the identification of corrective actions required and, where necessary, justifications for interim operation of equipment whose qualification could not be established.

By letter dated July 27, 1983, TVA provided for NRC staff review a program plan which outlined the scope of the WBN mechanical equipment environmental qualification program and described the methodology to be used in establishing conformance to the applicable requirements of GDC 4 and in determining the degree of qualification of the mechanical equipment evaluated.

Enclosed is a summary of the results (including corrective action identification and justifications for interim operation) of evaluations which were performed in accordance with the previously mentioned program plan. A list of the safety-related mechanical equipment which was included in the program was provided to NRC by letter dated January 11, 1984.

In addition, as indicated in the April 1, 1983 NRC letter, and as discussed at the February 14-16, 1984 NRC audit of TVA's WBN electrical equipment environmental qualification files, TVA was requested to submit for NRC staff review the complete documentation packages for three selected mechanical components (1-FCV-77-9-B, 1-RFV-68-563-5 and centrifugal charging pump 1A-A). These qualification packages are also enclosed.

8403160193 840309
PDR ADOCK 05000390
P PDR

1983-TVA 50TH ANNIVERSARY

An Equal Opportunity Employer

AD48
/1
Limited Distribution

Director of Nuclear Reactor Regulation

March 9, 1984

If you have any questions concerning this matter, please get in touch with D. B. Ellis at FTS 858-2681.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills

L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 9th day of March 1984

Bryant M. Lowery
Notary Public
My Commission Expires 4/8/86

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303