

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

JUL 31 1990

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

Gentlemen:

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

WATTS BAR NUCLEAR PLANT (WBN) - RESPONSE TO CONCERNS IN NRC SAFETY EVALUATION REPORT (SER) FOR WBN NUCLEAR PERFORMANCE PLAN (NPP) VOLUME 4 - MASTER FUSE LIST

NUREG-1232, Volume 4, "Safety Evaluation Report on the Watts Bar Nuclear Performance Plan," dated December 28, 1989, stated in Section 3, paragraph 3.3.5 that TVA has not submitted documentation to resolve three NRC concerns dealing with the WBN master fuse list special project. The SER requested TVA to resolve these concerns.

Enclosure 1 provides a restatement of the NRC concerns and the associated TVA response. Supporting documentation for the TVA responses is available for your review. Enclosure 2 provides a list of commitments made in this submittal.

If there are any questions, please telephone R. J. Stevens at (615) 365-8650.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



E. G. Wallace, Manager
Nuclear Licensing and
Regulatory Affairs

Enclosures
cc: See page 2

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JUL 31 1990

U.S. Nuclear Regulatory Commission

cc (Enclosures):

Ms. S. C. Black, Deputy Director
Project Directorate II-4
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

NRC Resident Inspector
Watts Bar Nuclear Plant
P.O. Box 700
Spring City, Tennessee 37381

Mr. P. S. Tam, Senior Project Manager
U. S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

Mr. B. A. Wilson, Project Chief
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

ENCLOSURE 1

NRC Concern 1

Fuse sizes should be removed from drawings and replaced with an identifier number that also appears on the master fuse list (MFL). This reduces errors on the drawings and provides a complete design description on one document which is the MFL.

TVA Response

Electrical design drawings have been annotated with a note stating that for information regarding Class 1E fuses refer to the MFL drawing series 45B6000 for configuration control of these fuses.

NRC Concern 2

Installed fuses are verified to agree with the MFL. Although TVA has agreed to replace any fuse that does not agree with the MFL, there is no procedure that requires a walkdown to verify that all the installed fuses agree with the MFL.

TVA Response

Information on fuses on the MFL has been verified using walkdown information. If fuses were not installed or if walkdown data was not obtained, plant staff will verify installed configuration or replace fuses using the MFL Drawing Series 45B6000 for Class 1E safety-related fuses prior to fuel load.

NRC Concern 3

[Ensure] adequate administrative controls are in place to ensure that after the verified walkdown, any fuse replacement agrees with the MFL.

TVA Response

The plant operations staff has been issued a set of design drawings including the MFL to maintain fuse configuration during normal operation. WBN plant administrative instruction (AI)-9.10 (fuse control) has been revised to ensure that the fuse configuration agrees with the MFL for all Class 1E safety-related fuses.

ENCLOSURE 2

Commitments

Regarding walkdown verification of the master fuse list, if fuses were not installed or if walkdown data was not obtained, plant staff will verify installed configuration or replace fuses using the Master Fuse List Drawing Series 45B6000 for Class 1E safety-related fuses prior to fuel load.