

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 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 letters dated March 9 and April 6, 1984, TVA provided the results of its evaluations assessing the environmental qualification of the safety-related mechanical equipment at the Watts Bar Nuclear Plant (WBN). Also transmitted were the complete qualification packages for the three mechanical components selected by the NRC staff representatives during the February 14-16, 1984 NRC audit of TVA's WBN electrical equipment qualification program.

Since the submittal of the referenced letters, TVA has determined that all safety-related mechanical equipment included in the scope of the WBN mechanical equipment qualification program is environmentally qualified. Therefore, the following information is being provided to reflect this determination and to correct inadvertent errors included in our previous submittals: (1) the balance-of-plant (BOP) equipment list (revision 1) which has been revised to correct minor discrepancies for MEQ ID Nos. 115, 244, and 522 and to include MEQ ID Nos. 656 through 659, which were inadvertently omitted from our original BOP list; (2) the nuclear steam supply system (NSSS) equipment list which has been revised to change the note for MEQ ID Nos. 1296 through 1307 from "D" to "C"; (3) the revised TVA input for Impell Summary No. 0060-508-0011 which has been revised to reflect that the pumps are environmentally qualified with a 20-year replacement schedule for the paper gaskets; and (4) nonconformance report (NCR) WBN NEB 8326 R2.

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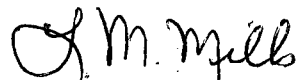
Director of Nuclear Reactor Regulation

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

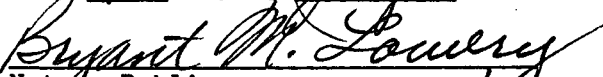
Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Licensing

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



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 30323

ENCLOSURE

WATTS BAR MECHANICAL EQUIPMENT
ENVIRONMENTAL QUALIFICATION

SUMMARY OF EVALUATION

- 937 - Total number of valves and pumps evaluated
- 552 - Total number of valves and pumps with a status of "A"
- 149 - Total number of valves and pumps with a status of "B"
- 230 - Total number of valves and pumps with a status of "C"
- 0 - Total number of valves and pumps with a status of "D"

Status code definitions for Equipment List:

- A. All nonmetallic subcomponents acceptable for use in harsh environmental area as determined by direct comparison of maximum service temperature and threshold radiation level.
- B. All nonmetallic subcomponents acceptable for use in harsh environmental area as determined by (A) above and by Arrhenius calculations and/or comparison of radiation damage levels up to 50-percent property change, as required.
- C. Component contains subcomponent(s) which degrade when subjected to harsh environmental conditions. However, degradation of subcomponent(s) will not prevent the component from performing its required safety function and therefore meets the acceptance criteria of this program.
- D. Component contains subcomponent(s) which is/are unacceptable for use in harsh environmental area. The degradation of the subcomponent(s) will prevent the component from performing its required safety function and must be replaced with an acceptable material.