

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 26, 1985

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 )  
Tennessee Valley Authority ) Docket Nos. 50-390  
50-391

Reference: R. H. Shell's letters to you dated April 18, 1985 and June 28, 1985.

In response to your letter to H. G. Parris dated April 2, 1985 with regard to your "Request for Additional Information Following Preliminary Staff Reviews of Applicant Responses to Generic Letter 83-28," the following is our additional response to items 1.1.7, 1.1.1 through 1.1.6 (Question 1 of your request), 4.2.1 and 4.2.2 (Question 4 of your request), and 4.5.3 (Question 6 of your request).

Question 1 - Item 1.1.7 of Generic Letter 83-28 requests that the procedures used in assessing unscheduled reactor shutdowns be included in the report. The applicant's November 7, 1983 response states that the procedures and programs are still under development but the programs should closely follow what is presented in the letter. Since the staff considers item 1.1 to be one of the higher priority items in Generic Letter 83-28, the procedures should be submitted and implemented, in response to items 1.1.7, within 90 days of receipt of this letter. In addition, any changes to the response to items 1.1.1 through 1.1.6 should also be submitted and implemented within 90 days of receipt of this letter.

TVA Response - The procedure used at Watts Bar in assessing unscheduled reactor shutdowns is Administrative Instruction AI-2.8.10, "Reactor/Turbine Trip Report." A copy of revision 1 to AI-2.8.10 is included as enclosure 1.

No changes to the responses provided to items 1.1.1 through 1.1.6 in TVA's November 7, 1983 letter are required.

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Question 4 - Items 4.2.1 and 4.2.2 (higher priority items in Generic Letter 83-28) request specific details regarding the applicant's periodic maintenance and trending of parameters program for reactor trip breakers. The applicant's November 7, 1983 response references a technical standard to be completed by December 15, 1983, without any further detail. The applicant should provide details (what is lubricated, what is inspected, how often, what parameters are trended, with what frequency, etc.) within 90 days of receipt of this letter.

TVA Response - TVA follows the general Westinghouse guidelines on breaker maintenance. Currently, Watts Bar performs the following general tasks at a six-month interval:

1. General inspection of components, parts, and wiring
2. Inspection of breaker contacts
3. Inspection of the arc chutes
4. Undervoltage and shunt trip attachment voltage actuation tests
5. Lubrication
6. Functional checks

TVA intends to follow the Westinghouse recommendation and increase this maintenance interval to every refueling outage as experience warrants. TVA also performs a functional test of the P-4 contacts as required in the technical specifications. TVA conducts the following general tasks, in addition to the above tasks, at refueling outage intervals:

1. General dusting and cleaning
2. Bus insulation megger tests
3. Additional inspection of components, parts, and wiring
4. Undervoltage trip attachment force test
5. Independent shunt trip and undervoltage trip response time tests

TVA does not perform any specific trending of parameters.

NRC Question 6 - To complete its response to item 4.5.3, the applicant needs to submit a description of the specific implementation plan for Watts Bar 1 and 2 within 90 days after NRC reviews WCAP-10271 and supplement 1, and issues its evaluation.

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TVA Response - NRC issued the safety evaluation for WCAP-10271, "Evaluation of Surveillance Frequencies and Out of Service Times for the Reactor Protection Instrumentation System," to the Westinghouse Owners Group in a letter from Cecil O. Thomas to J. J. Sheppard dated February 21, 1985. TVA requested that the technical specification changes approved in the NRC safety evaluation be incorporated in the Watts Bar technical specifications in a letter from R. H. Shell to E. Adensam dated February 19, 1985. NRC incorporated the changes into the draft Watts Bar technical specifications transmitted to TVA in a letter from T. M. Novak to H. G. Parris dated May 20, 1985.

If you have any questions concerning this matter, please get in touch with W. C. Ludwig of my staff at FTS 858-4882 in Chattanooga.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*J. A. Domer*  
J. A. Domer, Chief  
Nuclear Licensing Branch

Sworn to and subscribed before me  
this 26<sup>th</sup> day of July 1985

Paulette G. White  
Notary Public  
My Commission Expires 8-24-88

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)  
Region II  
Attn: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323