

January 17, 2003

Mr. J. A. Scalice  
Chief Nuclear Officer and  
Executive Vice President  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO TECHNICAL  
SPECIFICATION REVISION FOR BROWNS FERRY NUCLEAR PLANT, UNIT 2  
(TAC NO. MB6811)

Dear Mr. Scalice:

By letter dated October 25, 2002, as supplemented by letter dated December 20, 2002, Tennessee Valley Authority submitted an application to revise the Technical Specifications (TS) for the Browns Ferry Nuclear Plant, Unit 2. The proposed revision includes a change to the safety limit minimum critical power ratio value in TS 2.1.1.2. The U.S. Nuclear Regulatory Commission staff has reviewed your submittals and finds that a response to the enclosed request for additional information is needed before we can complete the review.

This request was discussed with Mr. D. T. Langley and B. Morris of your staff on January 16, 2003, and it was agreed that a response would be provided within 20 days of receipt of this letter.

If you have any questions, please contact me at (301) 415-1496.

Sincerely,  
*/RA/*

Kahtan N. Jabbour, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-260

Enclosure: Request for Additional Information

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION  
RELATED TO PROPOSED TECHNICAL SPECIFICATION REVISION  
TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT, UNIT 2  
DOCKET NO. 50-260

1. Please provide the rationale for changing the fuel bundles and the core loading pattern shown in Figure 2 of the submittals dated October 25, 2002, and December 20, 2002. Also, provide the reason for increasing the beginning of cycle shutdown margin, and describe the relationship between core loading design/bundle design and increasing the beginning of cycle shutdown margin.
  
2. Please provide your justification that the analysis performed for Unit 2, Cycle 13, single loop operation (SLO) as shown in Table 2 of Enclosure 2, which only provides the results of one case at the beginning of the cycle, is sufficient. Also, describe the impact on the safety limit minimum critical power ratio value for SLO due to end-of-cycle penalty of top-peak power shape.

Mr. J. A. Scalice  
Tennessee Valley Authority

**BROWNS FERRY NUCLEAR PLANT**

cc:

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