

September 6, 2002

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

SUBJECT: SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2 - REQUEST FOR  
ADDITIONAL INFORMATION ON TECHNICAL SPECIFICATION CHANGE  
NO. 01-04, REVISED ICE WEIGHT (TAC NOS. MB3682 and MB3683)

Dear Mr. Scalice:

By letter dated August 12, 2001, the Tennessee Valley Authority requested revision to the Sequoyah Nuclear Plant (SQN), Units 1 and 2, ice condenser total ice weight as specified in SQN Technical Specification 3/4.6.5. The proposed change would increase the total ice weight from 2,082,024 pounds to 2,225,880 pounds, and is being requested to correct a computer modeling input error identified by Westinghouse Electric Company. The U.S. Nuclear Regulatory Commission staff has reviewed your submittal 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 your staff on September 3 and 5, 2002, and it was agreed that a response would be provided by September 16, 2002.

Please have your staff contact Eva Brown at (301) 415-2315 if there are any questions regarding the enclosed request.

Sincerely,

***/RA by EBrown for/***

Ronald W. Hernan, Senior Project Manager, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosure: Request for Additional Information

cc w/enclosure: See next page

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REQUEST FOR ADDITIONAL INFORMATION  
PROPOSED TECHNICAL SPECIFICATION AMENDMENT TO  
INCREASE OF THE ICE CONDENSER TOTAL ICE WEIGHT  
SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2  
DOCKET NOS. 50-327 AND 50-328

- 1] What is the significance of the containment spray switchover interval (156 seconds)?
- 2] Explain the importance of maintaining the current time interval (156 seconds) between the containment spray switchover time and ice bed meltout time.
- 3] What is done to ensure that the heat transfer coefficient (UA) value of the containment spray heat exchanger is maintained?
- 4] What was the value assumed in the original analysis for ultimate heat sink temperature?

Mr. J. A. Scalice  
Tennessee Valley Authority

**SEQUOYAH NUCLEAR PLANT**

cc:

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