



Tennessee Valley Authority, Post Office Box 8800, Nashville, Tennessee 37207

J. L. Wilson  
Vice President, Sequoyah Nuclear Plant

November 16, 1992

TVA-SQN-TS-92-13

10 CFR 50.90

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

Gentlemen:

In the Matter of	)	Docket Nos. 50-327
Tennessee Valley Authority	)	50-328

SEQUOYAH NUCLEAR PLANT (SQN) - TECHNICAL SPECIFICATION (TS) CHANGE 92-13,  
"REACTOR COOLANT SYSTEM (RCS) MINIMUM FLOW RATE REQUIREMENT REDUCTION"

In accordance with 10 CFR 50.90, we are enclosing a requested amendment to Licenses DPR-77 and DPR-79 to change the TSs of SQN Units 1 and 2. The proposed change will reduce the minimum RCS total flow rate requirement in TS 3.2.5, Table 3.2-1, from greater than or equal to 378,400 gallons per minute (gpm) to greater than or equal to 375,000 gpm. This change is based upon accuracy calculations performed by Westinghouse Electric Corporation that support using a 2.4 percent flow measurement uncertainty for SQN instead of the generic 3.5 percent uncertainty utilized for initial licensing. The footnote associated with the RCS total flow rate value in TS Table 3.2-1 is also revised to reflect the 2.4 percent flow measurement uncertainty.

The proposed TS change is identified in Enclosure 1. The justification for the proposed TS change is provided in Enclosure 2. A proposed determination of no significant hazards consideration performed pursuant to 10 CFR 50.92 is provided in Enclosure 3. The Westinghouse evaluations that support this change are provided in Enclosure 4.

The margin between the currently calculated RCS total flow rates and the present TS limiting value is less than one percent for both SQN Units 1 and 2. Changes in the methods for calculating RCS flow rates in combination with the flow reductions associated with steam generator tube plugging and reactor coolant pump impeller wear have affected the calculated margin at SQN over time. For this reason, while not definitely required, TVA requests NRC review and approval of the proposed change to eliminate excessive measurement uncertainty before the end of the upcoming SQN Unit 1 Cycle 6 refueling outage to ensure the ability to

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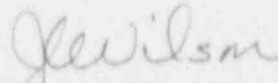
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comply with the TS requirements for minimum RCS flow rate. NRC approval by the end of April 1993 would ensure the availability of this relaxation for the next performance of the 18-month surveillance for RCS flow rate as required by TS 4.2.5.2.

TVA requests a 30-day implementation period for this TS change following issuance.


Please direct questions concerning this issue to K. C. Weller at (615) 843-7527.

Sincerely,



J. L. Wilson

Sworn to and subscribed before me  
this 16 day of November 1992

  
Notary Public  
My Commission Expires 3-9-96

Enclosures

cc (Enclosures):

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