

Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee, 37379.

December 12, 1995

TVA-SQN-TS-95-23

10 CFR 50.90

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

Gentlemen:

In the Matter of Tennessee Valley Authority Docket No. 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - TECHNICAL SPECIFICATION (TS)
CHANGE 95-23, "ALTERNATE PLUGGING CRITERIA (APC) FOR STEAM GENERATOR
(S/G) TUBING - UNIT 2"

In accordance with 10 CFR 50.90 we are enclosing a requested amendment to License DPR-79 to change the TSs of SQN 2. The proposed change revises TS surveillance requirements and bases to incorporate alternate S/G tube plugging criteria at tube support plate (TSP) intersections. The approach taken is based on the guidance provided in Generic Letter (GL) 95-05, "Voltage-Based Repair Criteria For Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking," for APC. TVA's proposed changes are similar to the SQN Unit 1 TS amendment that was submitted on September 7, 1995. The basis for the change is that APC maintains the structural integrity of the tubing during normal operating, transient, and postulated accident conditions.

The proposed TS change is identified in Enclosure 1. The justification of 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. Enclosure 4 contains commitments that are made for Unit 2. Enclosure 5 provides TVA's responses to the guidance contained in GL 95-05 for Unit 2.

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While S/G TSP tube degradation at SQN is not expected to be significant, TVA is submitting this TS change in advance of the upcoming Unit 2 Cycle 7 refueling outage to prevent an exigent request for APC implementation. If a sufficiently high number of TSPs outside diameter stress corrosion cracking indications are detected during SQN's Unit 2 Cycle 7 refueling outage, use of the proposed APC will be preferred. Therefore, NRC approval of this TS change is requested prior to the Unit 2 outage that is currently scheduled for April 1996.

Please note that the proposed TS change is based principally on the methodology documented in WCAP-13990. This WCAP was docketed to NRC under TS 94-09 on June 28, 1994. As WCAP-13990 contains information proprietary to Westinghouse Electric Corporation, the application for withholding the affidavit (CAW-94-641) signed by Westinghouse, the proprietary information notice, and the copyright notice provided in Enclosure 7 of the June 28, 1994, letter are in effect. Additional supporting methodology is provided in WCAP-14277, "Steam Line Break Rate and Tube Burst Probability Analysis Method for ODSCC at TSP Intersections, January 1995."

TVA requests a 45-day implementation period for this TS change following issuance. Based on the unresolved industry issues on probe wear and variability, this proposed change will be limited to Unit 2 Cycle 8 operation only.

Please direct questions concerning this issue to W. C. Ludwig at (615) 843-7460.

Sincerely,

R. H. Shell Manager

SQN Site Licensing

R. H. Shell

Sworn to and subscribed before me

this 12th day of December 1995

Notary Public

My Commission Expires Of

Enclosures

cc: See page 3

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Enclosures cc (Enclosures):

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