



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37384-2000

December 4, 2001

10 CFR 50.54(f)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket No. 50-327

**SEQUOYAH NUCLEAR PLANT (SQN) UNIT 1 ITEM 5 RESPONSE TO NRC
BULLETIN 2001-01, "CIRCUMFERENTIAL CRACKING OF REACTOR
PRESSURE VESSEL HEAD PENETRATION NOZZLES," DATED AUGUST 3,
2001 (TAC No. MB2660)**

- References:
1. NRC letter to TVA dated November 20, 2001, Sequoyah Nuclear Plant, Units 1 and 2, and Watts Bar Nuclear Plant, Unit 1 - Responses to NRC Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles" (TAC Nos. MB2660, MB2661, and MB2675)
 2. TVA letter to NRC dated August 31, 2001, Sequoyah Nuclear Plant, Units 1 and 2, and Watts Bar Nuclear Plant, Unit 1 - Response to NRC Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles" dated August 3, 2001.

A088

This letter provides information for SQN Unit 1 in response to Item 5 of the subject bulletin.

Item 5 of the subject bulletin requested the following information within 30 days after plant restart following the next refueling outage:

- a) a description of the extent of VHP nozzle leakage and cracking detected at your plant, including the number, location, size and nature of each crack detected.
- b) if cracking is identified, a description of the inspections, (type, scope, qualification requirements, and acceptance criteria) repairs, and other corrective actions you have taken to satisfy applicable regulatory requirements. This information is requested only if there are any changes from prior information submitted in accordance with this bulletin.

TVA response to Item 5a:

On October 27, 2001, during the recent Unit 1 Cycle 11 (U1C11) refueling outage, TVA conducted visual inspections of the SQN Unit 1 vessel head penetration (VHP) nozzles. Restart from the U1C11 outage occurred on November 22, 2001. The U1C11 inspections supplement information collected from previous inspections that have been performed each refueling outage since 1994. To date, no leakage or cracking has been detected in the SQN Unit 1 VHP nozzles.

TVA response to Item 5b:

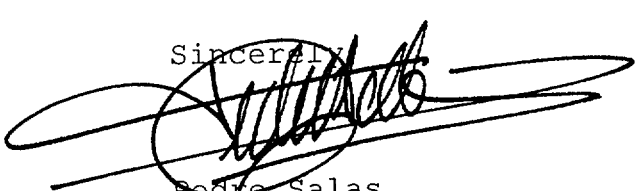
No cracking has been identified and no changes have occurred to prior information submitted in accordance with the subject bulletin.

No commitments have been made as a result of this letter.

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This letter is being sent in accordance with NRC RIS 2001-05.
If you have any questions regarding this response, please
contact me at (423) 843-7071 or J. D. Smith at (423)
843-6672.

Sincerely,



Pedro Salas
Licensing and Industry Affairs Manager

Subscribed and sworn to before me
on this 4th day of December



Notary Public

My Commission Expires October 9, 2002

cc: Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, Georgia 30303-8931