

November 20, 2001

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: 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)

Dear Mr. Scalice:

On August 3, 2001, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles," to the industry. The Bulletin requested that addressees provide information related to the structural integrity of the reactor pressure vessel head penetration (VHP) nozzles for their respective facilities. Requested information included the extent of VHP nozzle leakage and cracking that has been found to date, the inspections and repairs that have been undertaken to satisfy applicable regulatory requirements, and the basis for concluding that their plans for future inspections will ensure compliance with applicable regulatory requirements at their respective pressurized water reactor plants. You were requested to provide your response to Item 1 of the Bulletin within 30 days of its issuance.

You provided your response by letter dated August 31, 2001. The NRC staff finds that you have provided the requested information and that, based on this information, there is reasonable assurance that the public health and safety will be maintained.

Addressees are reminded that Item 5 of the 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.

Sincerely,

**/RA by Ronald W. Hernan for/**  
Richard P. Correia, Chief, Section 2  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos: 50-327, 50-328 and 50-390

cc: See next page

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**ADAMS ACCESSION No. ML013240662**

**DOCUMENT NAME: C:\Program Files\Adobe\Acrobat 4.0\PDF Output\Bulletin 2001-01  
Closeout.wpd**

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**SEQUOYAH NUCLEAR PLANT  
WATTS BAR NUCLEAR PLANT**

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