

August 10, 2006

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

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 1 - REQUEST FOR ADDITIONAL
INFORMATION REGARDING STEAM GENERATOR TUBE INTEGRITY
(TSTF-449) (TAC NOS. MC9271)

Dear Mr. Singer:

By letter dated December 15, 2005, Tennessee Valley Authority (TVA, the licensee), submitted a request to revise the Watts Bar Nuclear Plant (WBN) Unit 1 technical specification (TS) requirements consistent with Technical Specification Task Force (TSTF) Standard Technical Specification Change Traveler, TSTF-449, "Steam Generator Tube Integrity," Revision 4. In addition, by letter dated June 12, 2006, the licensee responded to the Nuclear Regulatory Commission's Request for Additional Information (RAI) on this subject.

The staff has reviewed the information contained in your letter dated June 12, 2006, and determined the need for additional information to complete its review.

In order for the NRC staff to complete its review, we request that TVA provide responses to the enclosed RAI within 30 days of receipt of this letter. If you have any questions about this material, please contact me at (301) 415-1364.

Sincerely,

/RA/

Douglas V. Pickett, Senior Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-390

Enclosure:
Request for Additional Information

cc w/enclosure: See next page

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Mr. Karl W. Singer
Tennessee Valley Authority

WATTS BAR NUCLEAR PLANT

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REQUEST FOR ADDITIONAL INFORMATION

WATTS BAR NUCLEAR PLANT UNIT 1

APPLICATION FOR TECHNICAL SPECIFICATION IMPROVEMENT

REGARDING STEAM GENERATOR TUBE INTEGRITY (TSTF-449)

DOCKET NO. 50-390

TAC NO. MC9271

Tennessee Valley Authority's letter dated June 12, 2006, responded to the staff's Request for Additional Information concerning proposed changes to the Watts Bar Technical Specifications related to steam generator tube integrity. In the response to Question 2, the licensee indicated that the second sentence in the accident induced leakage performance criteria was consistent with the Watts Bar design and licensing basis, therefore, the original proposed wording was adequate. Although the wording may be consistent with the design and licensing basis, the second sentence in the accident induced leakage performance criteria in TSTF-449 is not intended to be an interpretation of the current design and licensing basis. Rather, the second sentence (in the accident induced performance criteria in TSTF 449) is intended to ensure that the potential for induced leakage during severe accidents will be maintained at a level that will not increase risk. This is discussed in the staff's generic safety evaluation of TSTF-449.

As a result, the staff requests the licensee to discuss its plans to modify its proposal to be consistent with TSTF-449 or justify why only a limit on the "faulted" steam generator is considered necessary to maintain risk at acceptable levels during the severe accident scenarios discussed in the staff's generic safety evaluation of TSTF-449.

Enclosure