

October 20, 2006

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

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 1 - REQUEST FOR ADDITIONAL  
INFORMATION REGARDING THE RELIEF REQUESTS FOR THE SECOND  
10-YEAR INSERVICE TESTING INTERVAL (TAC NOS. MD2527, MD2528,  
MD2529, MD2530)

Dear Mr. Singer:

By letter dated June 30, 2006, the Tennessee Valley Authority (TVA, the licensee) submitted Relief Requests Nos. PV-01, PV-02, PV-03, and PV-04 with an updated Inservice Testing Program for the Watts Bar Nuclear Plant, Unit 1, second 10-year inspection interval for pumps and valves. The relief requests are under review by the NRC staff in accordance with Title 10 of the *Code of Federal Regulations*, Paragraph 50.55a.

In order for the staff to complete its review of the information provided by the licensee, we request that TVA provide responses to the enclosed request for additional information (RAI). Based on discussions with your staff, we understand that you plan to respond to the enclosed RAI within 60 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: See next page

October 20, 2006

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

SUBJECT: WATTS BAR NUCLEAR PLANT, UNIT 1 - REQUEST FOR ADDITIONAL  
INFORMATION REGARDING THE RELIEF REQUESTS FOR THE SECOND  
10-YEAR INSERVICE TESTING INTERVAL (TAC NOS. MD2527, MD2528,  
MD2529, MD2530)

Dear Mr. Singer:

By letter dated June 30, 2006, the Tennessee Valley Authority (TVA, the licensee) submitted Relief Requests Nos. PV-01, PV-02, PV-03, and PV-04 with an updated Inservice Testing Program for the Watts Bar Nuclear Plant, Unit 1, second 10-year inspection interval for pumps and valves. The relief requests are under review by the NRC staff in accordance with Title 10 of the *Code of Federal Regulations*, Paragraph 50.55a.

In order for the staff to complete its review of the information provided by the licensee, we request that TVA provide responses to the enclosed request for additional information (RAI). Based on discussions with your staff, we understand that you plan to respond to the enclosed RAI within 60 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: See next page

DISTRIBUTION:

PUBLIC                                      LPL2-2 r/f                                      RidsOgcRp                                      WPoertner  
RidsAcrsAcnwMailCenter                      RidsNrrDorlLpl2-2                                      RidsNrrDciCptb  
RidsNrrLACSola                                      RidsNrrPMDPickett                                      RidsRgn2MailCenter

ADAMS ACCESSION NUMBER: ML062840685

NRR-088

OFFICE	LPL2-2	LPL2-2/PM	LPL2-2/LA	CPTB/(A)BC	LPL2-2/BC
NAME	JPaige	DPickett	RSola	TLiu	LRaghavan
DATE	10/16/06	10/18/06	10/12/06	10/18/06	10/20/06

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION

WATTS BAR NUCLEAR PLANT, UNIT 1, RELIEF REQUESTS FOR THE SECOND 10-YEAR

INSERVICE TESTING INTERVAL

DOCKET NO. 50-390

1. Pump Relief Request PV-02:

a. RAI PV-02-01

ISTB-3550 requires that when measuring flow rate, a rate or quantity meter be installed in the pump test circuit. Please describe how the requirements of ISTB-3550 are being met.

b. RAI PV-02-02

Please provide additional information on the test methodology utilized to ensure that flow rate is established at a consistent reference point during the Group A and comprehensive pump tests.

c. RAI PV-02-03

Please address the effect of potential flow degradation due to spray nozzle fouling on the quarterly test acceptance criteria and the comprehensive pump test acceptance criteria.

d. RAI PV-02-04

The relief request states that the physical configuration of this piping is such that no portion of the piping meets the requirements for adequate installation of a permanent flow measuring device. Please provide additional information with regard to the feasibility of using temporary flow instrumentation (i.e., modifications required, detailed description of piping runs with respect to installation of temporary flow instrumentation).

Enclosure

Mr. K. W. Singer  
Tennessee Valley Authority

## **WATTS BAR NUCLEAR PLANT**

cc:

Mr. Ashok S. Bhatnagar, Senior Vice President  
Nuclear Operations  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. Glenn W. Morris, Manager  
Corporate Nuclear Licensing  
and Industry Affairs  
Tennessee Valley Authority  
4X Blue Ridge  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. Larry S. Bryant, Vice President  
Nuclear Engineering & Technical Services  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. Paul L. Pace, Manager  
Licensing and Industry Affairs  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Spring City, TN 37381

Mr. Robert J. Beecken, Vice President  
Nuclear Support  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. Jay Laughlin, Plant Manager  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Spring City, TN 37381

Mr. Michael D. Skaggs  
Site Vice President  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P.O. Box 2000  
Spring City, TN 37381

Senior Resident Inspector  
Watts Bar Nuclear Plant  
U.S. Nuclear Regulatory Commission  
1260 Nuclear Plant Road  
Spring City, TN 37381

General Counsel  
Tennessee Valley Authority  
ET 11A  
400 West Summit Hill Drive  
Knoxville, TN 37902

County Executive  
375 Church Street  
Suite 215  
Dayton, TN 37321

Mr. John C. Fornicola, Manager  
Nuclear Assurance and Licensing  
Tennessee Valley Authority  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

County Mayor  
P. O. Box 156  
Decatur, TN 37322

Ms. Ann P. Harris  
341 Swing Loop Road  
Rockwood, Tennessee 37854

Mr. Lawrence E. Nanney, Director  
Division of Radiological Health  
Dept. of Environment & Conservation  
Third Floor, L and C Annex  
401 Church Street  
Nashville, TN 37243-1532