



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

August 20, 2010

10 CFR 50.4

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Stop: OWFN P1-35  
Washington, D.C. 20555-0001

Watts Bar Nuclear Plant, Unit  
NRC Docket No. 50-391

**Subject: WATTS BAR NUCLEAR PLANT (WBN) UNIT 2 – FIRE PROTECTION PROGRAM (TAC NO. ME0853) – COMMITMENT TO PROVIDE ADDITIONAL INFORMATION ON MULTIPLE SPURIOUS OPERATION (MSO) SCENARIOS**

Reference: TVA letter dated July 16, 2010, "Watts Bar Nuclear Plant, Unit 2 - Request for Additional Information Regarding Fire Protection Program (TAC NO. ME0853)"

The purpose of this letter is to provide the document that TVA committed in the referenced letter to send to NRC in support of its review of the Fire Protection Program for WBN Unit 2. Specifically, in regard to TVA's review of MSO scenarios that could affect post-fire safe shutdown, NRC requested TVA to provide:

"A description of each of the scenarios identified by the analysis, including how post-fire safe shutdown is ensured for each scenario"

The description of each scenario identified by the analysis was provided in Enclosure 1 of the referenced letter. Enclosure 1 of this letter contains the WBN Unit 2 Multiple Spurious Operation Evaluation, which provides a description of how safe shutdown is ensured for each of the MSO scenarios.

*ADCP  
NRC*

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The resolutions contained in Appendix B of the MSO Evaluation Report shall be implemented prior to Unit 2 fuel load. Enclosure 2 provides the new regulatory commitments contained in this letter. The resolutions in Appendix C of the MSO Evaluation Report address Unit 1/ Common equipment and will be implemented by Unit 1 under the timing requirements prescribed by Enforcement Guidance Memorandum EGM-09-002 issued May 2009.

If you have any questions, please contact William Crouch at (423) 365-2004.

I declare under the penalty of perjury that the foregoing is true and correct. Executed on the 20<sup>th</sup> day of August, 2010.

Sincerely,

  
Masoud Bajestani  
Watts Bar Unit 2 Vice President

Enclosures:

1. WBN Unit 2 Multiple Spurious Operation Evaluation, Report R1976-20-01, dated August 2010
2. Regulatory Commitments

cc (Enclosures):

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## **ENCLOSURE 2**

### **TVA LETTER DATED AUGUST 20, 2010 WATTS BAR NUCLEAR PLANT (WBN) UNIT 2 – FIRE PROTECTION PROGRAM (TAC NO. ME0853) – COMMITMENT TO PROVIDE ADDITIONAL INFORMATION ON MULTIPLE SPURIOUS OPERATION (MSO) SCENARIOS**

#### **REGULATORY COMMITMENTS**

1. The resolutions contained in Appendix B of the MSO Evaluation Report shall be implemented prior to Unit 2 fuel load.
2. PWROG Scenario 13a: "Charging Pump Runout" shall be confirmed to be within the bounds of CCP operation during the large break LOCA analysis prior to Unit 2 fuel load.