



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

August 29, 2013

10 CFR 50.4

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

Watts Bar Nuclear Plant, Unit 1
Facility Operating License No. NPF-90
NRC Docket No. 50-390

Subject: **Submittal of the Details of the Planned Drill to the Revised Watts Bar Nuclear Plant Flood Mode Operation Abnormal Operating Instruction (AOI) 7.01, "Maximum Probable Flood"**

- Reference:
1. Letter from TVA to NRC, "Tennessee Valley Authority (TVA) - Extension Request Regarding the Flooding Hazard Reevaluation Report Required by NRC Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendation 2.1, Flooding, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident," dated March 12, 2013 (ML13080A073)
 2. Letter from TVA to NRC, "Application to Revise Watts Bar Nuclear Plant Unit 1 Updated Final Safety Analysis Report Regarding Changes to Hydrologic Analysis, TAC No. ME8200 (WBN-UFSAR-12-01)," dated July 19, 2012 (ML12236A164)

On March 12, 2013, the Tennessee Valley Authority (TVA) submitted an extension request regarding the flooding hazard reevaluation report required by the March 12, 2012, NRC Request for Information for Recommendation 2.1, Flooding (Reference 1). Included in Reference 1 is a status of flood hazard interim actions and a list of additional actions planned. One of the additional actions planned described in Reference 1 was revision of the Watts Bar Nuclear Plant (WBN) flood mode operation Abnormal Operating Instruction (AOI) 7.01, "Maximum Probable Flood." Revisions to the AOI have been made to facilitate more efficient transition to flood mode operation at WBN. To ensure the AOI can be appropriately implemented, TVA committed to perform a drill to the revised AOI by December 31, 2013. TVA also committed to provide details of the planned drill by August 29, 2013.

The purpose of this letter is to provide the details of the proposed drill. The drill will involve participation by TVA emergency organizations to include a Control Room Operations cell, Technical Support Center (TSC), Operations Support Center (OSC), and a Central Emergency Control Center (CECC) cell. OSC teams will be simulated to be dispatched to the field after being briefed. No actual plant equipment will be operated or modified during the drill.

The scenario is based on the most limiting preparation time event for WBN as described in section 2.4.14.10 of the proposed WBN, Unit 1, Updated Final Safety Analysis Report (UFSAR) License Amendment Request dated July 19, 2012 (Reference 2). This scenario is the 1/2 Probable Maximum Flood (PMF) rain event with subsequent seismically induced failure of both Norris and Tellico dams.

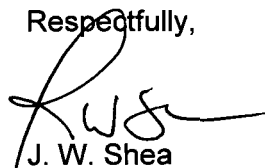
This Drill will not be utilized to formally address elements contained within Nuclear Energy Institute (NEI) 99-02, "Regulatory Assessment Performance Indicator Guideline," for performance indicators regarding Drill/Exercise Performance (DEP).

The Drill Goals are to:

1. Demonstrate that the emergency response organization can effectively utilize the revised flood mode operating instructions and procedures to simulate implementation of actions required during an extreme flooding event.
2. Demonstrate that emergency response procedures are adequate and identify any need for improvement or revision.
3. Allow personnel to demonstrate and test the capabilities of the emergency response organization to protect the health and safety of plant personnel and the general public in accordance with the Nuclear Power - Radiological Emergency Plan (NP-REP), Site Emergency Plan Implementing Procedures (EPIPs), and the CECC EPIPs.
4. Provide an interactive scenario to ensure proficiency of onsite and offsite emergency response capabilities.
5. Provide training for emergency response personnel.
6. Visibly demonstrate safe operations during the execution of the drill.

This letter contains no new regulatory commitments. If you have questions regarding this matter, please contact Kevin Casey at (423) 751-8523.

Respectfully,



J. W. Shea
Vice President, Nuclear Licensing

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cc:

NRC Regional Administrator - Region II
NRC Director - NRC Headquarters
NRC Senior Resident Inspector - Watts Bar Nuclear Plant
NRR Project Manager - Watts Bar Nuclear Plant, Unit 1