



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

CNL-15-063

April 7, 2015

10 CFR 50.4

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

Watts Bar Nuclear Plant, Unit 2  
Construction Permit No. CPPR-92  
NRC Docket No. 50-391

Subject: **Watts Bar Nuclear Plant Unit 2 – Supplement Safety Evaluation Report – Open Item 33 – Completion of DCNs 53421 and 54636**

- References:
1. NUREG-0847, Supplement 22, "Safety Evaluation Report Related to the Operation of Watts Bar Nuclear Plant, Unit 2, Docket No. 50-391, Tennessee Valley Authority," dated February 2011 [ADAMS Accession No. ML110390197]
  2. Letter from TVA to NRC, "Watts Bar Nuclear Plant (WBN) Unit 2 - Final Safety Analysis Report (FSAR) - Response to Preliminary Requests for Additional Information and Requests For Additional Information," dated July 31, 2010 [ADAMS Accession No. ML102290258]
  3. Letter from TVA to NRC, "Watts Bar Nuclear Plant (WBN) Unit 2 - Safety Evaluation Report Supplement 22 (SSER22) - Response to NRC Required Action Items," dated April 6, 2011 [ADAMS Accession No. ML110980637]

The purpose of this letter is to inform the Nuclear Regulatory Commission that field work associated with SSER 22 Appendix HH, Open Item 33 (Reference 1) is complete.

The Watts Bar Nuclear Plant Unit 2 response provided in Attachment 9 of Reference 2 listed unverified assumptions pertaining to the 125 Volt DC Vital Battery System Analysis. Cable-related field work associated with the Reciprocating Charging Pump and Turbine Driven Auxiliary Feedwater Pump (AFWP) needed to be completed to resolve the unverified assumptions. The modifications were made by the following design change notices (DCN).

- DCN 53421 for the removal/abandonment of Reciprocating Charging Pump 2-MTR-62-101, supplied from 480V SHDN BD 2B1-B, Compt. 3B.
- DCN 54636 for the cable modifications for Unit 2 AFWP Turbine Trip and Throttle Valve and Turbine Controls.

These changes are now complete and a commitment completion package (Tracking No. 112145148, IP&S No. 493) has been prepared and is available on site for NRC closure review.

Tennessee Valley Authority actions associated with Open Item 33 contained in Reference 3 are complete.

There are no new regulatory commitments associated with this submittal. If you have any questions, please contact Gordon Arent at (423) 365-2004.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 7th day of April 2015.

Respectfully,



J. W. Shea  
Vice President, Nuclear Licensing

cc:

NRC Regional Administrator – Region II  
NRC Senior Resident Inspector – Watts Bar Nuclear Plant, Unit 2  
NRC Project Manager – Watts Bar Nuclear Plant, Unit 2