



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

CNL-15-046

April 1, 2015

10 CFR 50.34  
10 CFR 50, Appendix E

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

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

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

Subject: **WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - SUBMITTAL OF  
REVISION TO THE RADIOLOGICAL EMERGENCY PLAN**

- References:
1. TVA letter to NRC, "Watts Bar Nuclear Plant Units 1 and 2 - Submittal of Revision to the Radiological Emergency Plan and On-Shift Staffing Analysis," dated September 12, 2014
  2. TVA letter to NRC, "Radiological Emergency Plan Revision," dated February 27, 2015
  3. NRC letter to TVA, "Watts Bar Nuclear Plant, Unit 1 - Issuance of Amendment to Revise Updated Final Safety Analysis Report Regarding Changes to Hydrology Analysis (TAC No. ME9130)," dated January 28, 2015 [ML15005A314]

In Reference 1, the Tennessee Valley Authority (TVA) submitted a dual-unit revision to the Radiological Emergency Plan (REP) for the Watts Bar Nuclear Plant (WBN) Units 1 and 2. This revision consisted of Revision 104X for the generic part of the TVA REP (NP-REP) and Revision 104X of Appendix C, the Watts Bar-specific part of the REP. The "X" revision indicates that it shows the currently approved REP information, and that information that will be present when WBN Unit 2 receives a license.

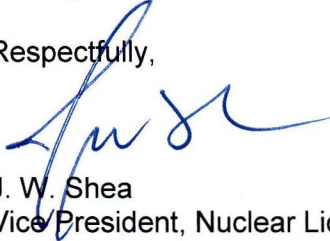
U.S. Nuclear Regulatory Commission  
Page 2  
April 1, 2015

To address an existing issue on WBN Unit 1, the condenser vacuum exhaust radiation monitors were replaced on Unit 1. As a result of this design change to the plant, a change to Appendix C of the REP (Revision 105) was required for WBN (Reference 2). In addition, the Nuclear Regulatory Commission (NRC) recently approved a license amendment for WBN related to hydrology, which will require a change to the REP (future Revision 106). To be consistent in our submittals to the NRC in support of licensing Watts Bar Unit 2, a copy of Revision 106X to Appendix C of the REP is submitted for NRC review (Enclosure 1) that shows changes that will occur in the near future. A summary of changes to Appendix C, Revision 106X is provided in Enclosure 2.

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

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 1st day of April 2015.

Respectfully,

A handwritten signature in blue ink, appearing to read 'J. W. Shea', is written over the word 'Respectfully,'.

J. W. Shea  
Vice President, Nuclear Licensing

Enclosures:

1. Radiological Emergency Plan Appendix C, Revision 106X
2. Summary of Changes to Appendix C, Revision 106X

cc (Enclosures):

U.S. Nuclear Regulatory Commission, Region II  
NRC Resident Inspector - Watts Bar Nuclear Plant, Unit 1  
NRC Resident Inspector - Watts Bar Nuclear Plant, Unit 2  
NRR Project Manager - Watts Bar Nuclear Plant