



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

August 16, 2013

10 CFR 50.4  
10 CFR 50, Appendix E

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

Browns Ferry Nuclear Plant, Units 1, 2, and 3  
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68  
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: **Browns Ferry Nuclear Plant Units 1, 2 and 3 - Revised Evacuation Time Estimates**

- References:
1. Tennessee Valley Authority letter to NRC, "Evacuation Time Estimates," dated December 18, 2012 (ML12362A471)
  2. Tennessee Valley Authority letter to NRC, "Evacuation Time Estimates Checklist," dated March 4, 2013 (ML13070A022)
  3. NUREG/CR-7002, "Criteria for Development of Evacuation Time Estimate Studies," published November 2011 (ML113010515)

The purpose of this correspondence is to provide revised evacuation time estimates as requested by the Nuclear Regulatory Commission (NRC).

By letter dated December 18, 2012 (Reference 1), Tennessee Valley Authority (TVA) provided the analysis supporting Evacuation Time Estimates (ETE) for Browns Ferry Nuclear Plant BFN). By letter dated March 4, 2013 (Reference 2), TVA provided the ETE review criteria checklist from Appendix B of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies," (Reference 3), requested by the NRC in a telephone call on February 1, 2013.

In a June 6, 2013 teleconference, NRC provided specific comments to TVA regarding the December 2012 (Reference 1) ETE submittal. As a result, TVA's ETE submittals were revised.

Enclosure 1 to this letter provides a summary table of TVA responses to the specific NRC comments on TVA's 2012 ETE submittals provided in the June 6, 2013 teleconference.

Enclosure 2 to this letter provides the revised Evacuation Time Estimates for Browns Ferry Nuclear Power Plant Plume Exposure Pathway Emergency Planning Zone.

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U.S. Nuclear Regulatory Commission

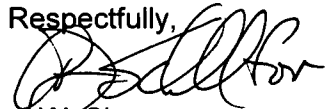
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Enclosure 3 to this letter provides a copy of the completed ETE review criteria checklist for the revised evacuation time estimates.

There are no new regulatory commitments in this letter. Should you have any questions or if additional information is needed regarding this submittal, please contact Walter H. Lee, Senior Emergency Preparedness Manager, at (423) 751-8577.

Respectfully,



J.W. Shea  
Vice President, Nuclear Licensing

Enclosures:

1. Comments and Responses to NRC Comments on TVA 2012 ETE Submittals
2. Evacuation Time Estimates for Browns Ferry Nuclear Power Plant Plume Exposure Pathway Emergency Planning Zone
3. Table B-1 ETE Review Criteria Checklist - Browns Ferry

cc (Enclosures):

NRC Regional Administrator - Region II  
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant