



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

June 6, 2013

10 CFR 50.54(f)

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC

Browns Ferry Nuclear Plant, Unit 2
Facility Operating License No. DPR-52
NRC Docket No. 50-260

Subject: **Tennessee Valley Authority (TVA) - Supplemental Response to NRC Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding the Flooding Aspects of Recommendation 2.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident for Browns Ferry Nuclear Plant, Unit 2**

References:

1. NRC Letter, "Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident," dated March 12, 2012
2. TVA Letter to NRC, "Tennessee Valley Authority (TVA) - Fleet Response to NRC Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding the Flooding Walkdown Results of Recommendation 2.3 of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident," dated November 27, 2012

On March 12, 2012, the NRC issued Reference 1 to all power reactor licensees and holders of construction permits in active or deferred status. Enclosure 4 of Reference 1 requested that each licensee perform flood protection walkdowns and report the results within 180 days of NRC endorsement of the flooding walkdown procedure (Nuclear Energy Institute (NEI) 12-07, "Guidelines for Performing Verification Walkdowns of Plant Flood Protection Features"). TVA completed the flood protection walkdowns at Browns Ferry Nuclear Plant (BFN), Units 1, 2, and 3 and submitted the results in Reference 2. Reference 2 contained open items for BFN, Unit 2, where restricted access prevented walkdown of certain flood protection features. Walkdowns of the restricted access items for BFN, Unit 2, have been

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completed and this letter provides the results. This submittal closes the open items identified in Reference 2, Commitment Number 1.

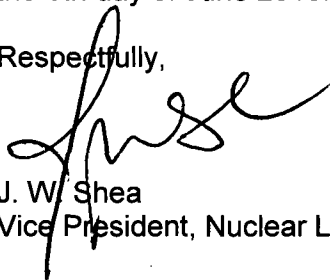
The enclosed table provides a list of the BFN, Unit 2, restricted access items inspected, their respective disposition, and any action planned or taken. As a result of the inspections:

- There were 6 deficiencies found and all were entered into the Plant's Corrective Action Program (CAP).
- The 6 deficiencies were corrected under the CAP program. No temporary measures were required as a result of the completed inspections.
- Available Physical Margins (APMs) were collected and documented in the walkdown record forms for each applicable item inspected in accordance with NEI 12-07.
- All Restricted Items inspected were within the plant maintenance and monitoring programs.

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

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 6th day of June 2013.

Respectfully,



J. W. Shea
Vice President, Nuclear Licensing

Enclosure

Fukushima Near-Term Task Force Recommendation 2.3: Flooding - Walkdown
Report Open Items for Browns Ferry Nuclear Plant, Unit 2

cc (Enclosure):

NRC Regional Administrator - Region II
NRR Director - NRC Headquarters
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant
NRR Project Manager - Browns Ferry Nuclear Plant

ENCLOSURE 1

Fukushima Near-Term Task Force Recommendation 2.3: Flooding

**Walkdown Report Open Items for
Browns Ferry Nuclear Plant, Unit 2**

Walkdown Report Open Items
for Browns Ferry Nuclear Plant, Unit 2

Item Number	Feature Description	Report Reference	Deficiency (yes/no)	Deficiency Description	Actions Taken or Planned	Inaccessible (yes/no, if yes, explain below)
1	Steam Vault Flood Wall - Main Steam Line 2A Penetration	7.0	Yes	Gap in sealant between pipe and embedded plate	Penetration sealed in accordance with plant drawings	No
2	Steam Vault Flood Wall - Main Steam Line 2B Penetration	7.0	Yes	Cracked sealant	Penetration sealed in accordance with plant drawings	No
3	Steam Vault Flood Wall - Main Steam Line 2C Penetration	7.0	Yes	Cracked sealant	Penetration sealed in accordance with plant drawings	No
4	Steam Vault Flood Wall - Main Steam Line 2D Penetration	7.0	Yes	No sealant observed	Penetration sealed in accordance with plant drawings	No
5	Steam Vault Flood Wall - Main Steam Piping Drain Line Penetration	7.0	Yes	No sealant observed	Penetration sealed in accordance with plant drawings	No
6	Steam Vault Flood Wall - HPCI and RCIC Steam Supply Trap Penetration	7.0	Yes	No sealant observed	Penetration sealed in accordance with plant drawings	No