



Tennessee Valley Authority
1101 Market Street, LP 3R
Chattanooga, Tennessee 37402-2801

R. M. Krich
Vice President
Nuclear Licensing

October 5, 2011

10 CFR 50.4
10 CFR 50.71(e)(4)

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

Browns Ferry Nuclear Plant, Units 1, 2, and 3
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 - Updated Final Safety Analysis Report, Amendment 24**

Pursuant to the requirements of 10 CFR 50.71, "Maintenance of Records, Making of Reports," paragraph (e)(4), the Tennessee Valley Authority is submitting Amendment 24 of the Updated Final Safety Analysis Report (UFSAR) for the Browns Ferry Nuclear Plant (BFN).

Amendment 24 of the BFN UFSAR is a 24-month update that reflects editorial corrections, changes, and analyses pursuant to 10 CFR 50.59, "Changes Tests, and Experiments," to the facility, which were in effect through June 10, 2011. All UFSAR pages issued as a result of this update are clearly delineated with a "BFN-24" in the page header and a revision bar is shown in the right margin next to the specific change.

The summaries of evaluations of these changes made under the provisions of 10 CFR 50.59 will be provided to NRC in separate correspondence by November 30, 2011.

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NRK

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The enclosure to this letter contains one (1) Compact Disk – Recordable (CD-R) of the BFN UFSAR, Amendment 24. TVA has also included a listing of the UFSAR files and their size in the enclosure. Please note that some files do not have embedded fonts; however, these files are from a scanned source and are thus consistent with Section 2.23 of the “Guidance for Electronic Submissions to the NRC, Revision 6.” Tom Matthews of my staff verified this with Kenny D. Nguyen of the NRC staff on October 5, 2011.

TVA has determined that some of the information contained on the CD-R is considered to be sensitive unclassified non-safeguards information. As such, the enclosed CD-R is labeled “Tennessee Valley Authority, Browns Ferry Nuclear Plant, Updated Final Safety Analysis Report, Amendment 24, Non-Public Version.” This CD-R submittal of the entire BFN UFSAR supersedes all previously submitted hard copies and CD-R copies of the document.

I certify that I am duly authorized by TVA, and that, to the best of my knowledge and belief, the information contained herein accurately presents changes made since the previous submittal, necessary to reflect information and analyses submitted to the Commission or prepared pursuant to Commission requirements.

There are no new regulatory commitments contained in this letter. If you have any questions, please contact Tom Hess at (423) 751-3487.

Respectfully,



R. M. Krich

Enclosure: CD-R Containing Browns Ferry Nuclear Plant Updated Final Safety Analyses Report, Amendment 24, Non-Public Version and a Listing of the UFSAR Files, Including File Size

cc: See Page 3

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Enclosure
cc (Enclosure):

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

Enclosure

**Tennessee Valley Authority
Browns Ferry Nuclear Plant (BFN)
Units 1, 2, and 3**

**Updated Final Safety Analysis Report (UFSAR),
Amendment 24**

This enclosure provides the following:

- One CD-R Copy of Amendment 24 of the BFN UFSAR, Non-Public Version, dated October, 5, 2011
- Listing of the BFN UFSAR, Amendment 24 files, including file size