

~~Security Related Information Withhold Under 10 CFR 2.390.~~
~~This letter is decontrolled when separated from Enclosure 2.~~



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

October 5, 2017

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
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 - Updated Final Safety Analysis Report,
Amendment 27**

Pursuant to the requirements of Title 10 of the Code of Federal Regulations (10 CFR) Part 50.71, "Maintenance of Records, Making of Reports," paragraph (e)(4), the Tennessee Valley Authority (TVA) is submitting Amendment 27 of the Updated Final Safety Analysis Report (UFSAR) for the Browns Ferry Nuclear Plant (BFN).

Amendment 27 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 July 1, 2017. All UFSAR pages issued as a result of this update are delineated with a "BFN-27" in the page header; 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 the NRC in separate correspondence by November 30, 2017.

The enclosures to this letter are two Compact Disks – Read-only memory (CD-ROM) of the BFN UFSAR, Amendment 27: one public use only (redacted) version and one non-public use version. Enclosure 1 to this letter is a copy redacted according to the marking for Nuclear Regulatory Commission (NRC) Public Use. Enclosure 2 provides the Non-Public Use version, which is marked as containing Security-Related Information that should be withheld under 10 CFR 2.390. TVA has also included a listing of the UFSAR files and their size in each enclosure. This CD-ROM submittal of the entire BFN UFSAR supersedes all previously submitted hard copies and CD-ROM copies of the document.

AD53
NR

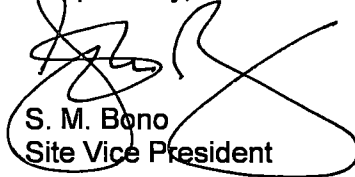
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Pursuant to the requirements of 10 CFR 54.37, "Additional Records and Recordkeeping Requirements," paragraph (b), TVA has determined that there are no newly identified systems, structures, and components that would have been subject to an aging management review or evaluation of time-limited aging analyses.

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 Jamie L. Paul, Nuclear Site Licensing Manager, at (256) 729-2636.

Respectfully,



S. M. Bono
Site Vice President

Enclosures:

1. CD-ROM Containing Browns Ferry Nuclear Plant Updated Final Safety Analysis Report, Amendment 27, Public Use Only (Redacted) Version and a Listing of the UFSAR Files, Including File Size
2. CD-ROM Containing Browns Ferry Nuclear Plant Updated Final Safety Analysis Report, Amendment 27, Non-Public Use Version and a Listing of the UFSAR Files, Including File Size

cc (w/ Enclosure):

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

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Enclosure 1

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

**Updated Final Safety Analysis Report (UFSAR)
Amendment 27**

**CD-ROM Containing Browns Ferry Nuclear Plant Updated Final Safety Analysis
Report, Amendment 27, Public Use Only (Redacted) Version and a Listing of the
UFSAR Files, Including File Size**

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Enclosure 2

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

**Updated Final Safety Analysis Report (UFSAR)
Amendment 27**

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Report, Amendment 27, Non-Public Use Version and a Listing of the UFSAR Files,
Including File Size**