



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 8, 2013

Mr. Joseph W. Shea
Corporate Manager- Nuclear Licensing
Tennessee Valley Authority
3R Lookout Place
1101 Market Street LP 3D-C
Chattanooga, TN 37402-2801

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3 – DRAFT REVIEW
OF TENNESSEE VALLEY AUTHORITY COMMITMENT RELATED TO CORE
PLATE BOLT STRESS ANALYSIS (TAC NOS. ME6615, ME6616, AND
ME6617)

Dear Mr. Shea:

By letter dated June 15, 2011, the Tennessee Valley Authority (TVA or the licensee), submitted a report on the plant-specific stress analysis of the Browns Ferry Nuclear Plant (BFN), Units 1, 2 and 3, core plate hold down bolts. This report was submitted in accordance with Commitment 47 in Appendix A to NUREG-1843, Supplement 1, "Safety Evaluation Report Related to the License Renewal of the Browns Ferry Nuclear Plant, Units 1, 2, and 3," whereby TVA committed to perform a plant-specific stress analysis of the BFN core plate hold down bolts, as described in Boiling Water Reactor Vessel Internals Program (BWRVIP)-25, and submit the results of this analysis 2 years prior to the period of extended operation. The licensee supplemented its June 15, 2011, submittal by letters dated October 25, 2012, and February 19, 2013, in response to the NRC staff requests for additional information.

The Nuclear Regulatory Commission (NRC) staff has completed the review of the information provided by the licensee. The NRC staff's safety evaluation (SE) is enclosed.

The NRC staff has determined that its documented SE (Enclosure 1) contains proprietary information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR), Section 2.390, "Public inspections, exemptions request for withholding." Accordingly, the NRC staff has prepared a redacted, nonproprietary version (Enclosure 2). However, we will delay placing the nonproprietary SE in the public document room for a period of 10 working days from the date of this letter to provide you with the opportunity to comment on any proprietary aspects. If you believe that any information in the enclosure is proprietary, please identify such information line-by-line and define the basis pursuant to the criteria of 10 CFR 2.390. After 10 working days, the nonproprietary SE will be made publicly available.

Document transmitted herewith contains Sensitive Unclassified Non-Safeguard Information.
When Separated from Enclosure 1, this document is decontrolled.

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To facilitate the NRC staff's review of your comments, please provide a marked-up copy of the SE showing proposed changes and provide a summary table of the proposed changes.

If you have any questions, please contact me at (301) 415-1447.

Sincerely,



Farideh E. Saba, Senior Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-259, 50-260, and 50-296

Enclosures:

1. Safety Evaluation (Proprietary Information)
2. Safety Evaluation (Non-Proprietary Information)

cc with Enclosures 1 and 2: Addressee only

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- 2 -

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/RA/

Farideh E. Saba, Senior Project Manager
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