



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

December 31, 2003

10 CFR 54

U.S. Nuclear Regulatory Commission  
ATTN: Document Control  
Desk Mail Stop: OWFN P1-35  
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of	)	Docket Nos.	50-259
Tennessee Valley Authority	)		50-260
			50-296

**BROWNS FERRY NUCLEAR PLANT (BFN) - UNITS 1, 2 AND 3 - APPLICATION FOR RENEWED OPERATING LICENSES**

Pursuant to the requirements of 10 CFR 50, 51 and 54, the Tennessee Valley Authority (TVA) is submitting a Licensing Renewal Application (LRA) for the renewal of the operating licenses for BFN, Units 1, 2 and 3. The current facility operating licenses for Units 1, 2, and 3 (DPR-33, DPR-52, and DPR-68) expire at midnight on December 20, 2013, June 28, 2014, and July 2, 2016, respectively. This application seeks to extend the current term of each license by 20 years beyond the current expiration dates.

This application contains the information required by the Commission's license renewal regulations that are set forth in 10 CFR 54.19, 54.21, 54.22, and 54.23. The application meets the timeliness requirements of 10 CFR 54.19(c) and 2.109(b) and provides the required information to support the 10 CFR 54.29 findings required to issue the renewed licenses sought by this application. In addition, it satisfies the environmental regulations set forth in 10 CFR Part 51.

Pursuant to 10 CFR 54.21(b), current licensing basis changes that have a material effect on the content of this application will be identified in annual updates to this application.

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Annual updates will be submitted while the application is under NRC review, and at least three months prior to the scheduled completion of the NRC review.

The technical information relating to plant design contained in this application is complete and accurate as of July 1, 2003. Any changes to plant design that occur after this date will be considered in the annual application updates provided in accordance with 10 CFR 54.21(b).

The application has been prepared in a format compatible with NUREG-1800, *Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants*, issued July, 2001, and the "Class of 2003" Standard License Renewal Application Format, August 20, 2003. NUREG-1801, *Generic Aging Lessons Learned (GALL) Report*, published July, 2001, is referenced in the application. In addition, TVA utilized guidance provided in NEI 95-10, *Industry Guideline for Implementing the Requirements of 10 CFR 54 - The License Renewal Rule*, Revision 3.

To facilitate NRC review of the application, TVA is providing 80 additional "Information Only" copies of the entire LRA, including the Environmental Report (ER), and supporting information via Compact Discs (CDs). These CDs are formatted in a manner that is consistent with guidance provided in NRC Regulatory Issue Summary (RIS) 2001-05, *"Guidance on Submitting Documents to the NRC by Electronic Information Exchange or on CD-ROM."* The CDs contain hyperlinks within the application and between the application and the Updated Final Safety Analysis Report. Hyperlinks are also provided to copies of the license renewal boundary drawings used in the scoping phase of the license renewal project which are not part of the application.

Enclosure 1 to this letter contains a listing of the regulatory commitments associated with this submittal. This letter is being sent in accordance with NRC RIS 2001-05, *"Guidance on Submitting Documents to the NRC by Electronic Information Exchange or CD-ROM."* Enclosure 2 provides a paper copy of the BFN LRA, including the environmental report. Enclosure 3 contains a copy of the entire LRA, including the ER, and a copy of this signed cover letter on a CD, to facilitate entry into the NRC's record retrieval system, ADAMS. Enclosure 4 contains a CD containing the entire LRA, including the ER suitable for posting on the NRC website. A copy of the LRA boundary drawings on CD is provided on Enclosure 5 for ADAMS.

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If you have any questions about this application, please contact Gary Adkins, Browns Ferry License Renewal Project Manager, at (423) 751-4363.

I declare under penalty of perjury that the forgoing is true and correct. Executed on December 31, 2003.

Sincerely,

  
Mark J. Burzynski  
Manager  
Nuclear Licensing

- Enclosure 1 - Listing of Commitments
- Enclosure 2 - Browns Ferry License Renewal Application
- Enclosure 3 - Compact disc copy of the License Renewal Application for ADAMS
- Enclosure 4 - Compact disc copy of the License Renewal Application for posting on the  
NRC website
- Enclosure 5 - Compact disc copy of the boundary drawings for ADAMS

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Enclosure 1  
Listing of Commitments

Item	Commitment	Implementation Schedule
1	Unit 1 current licensing basis differences described in Appendix F of the BFN license renewal application will be resolved prior to Unit 1 restart.	Prior to Unit 1 restart
2	The Accessible Non-Environmental Qualification Cables and Connections Program will be implemented prior to the period of extended operation.	Unit 1: December 20, 2013 Unit 2: June 28, 2014, Unit 3: July 2, 2016
3	The Inaccessible Medium Voltage Cables Not subject to 10 CR 50.49 Environmental Qualification Requirements Program will be implemented prior to the period of extended operation.	Unit 1: December 20, 2013 Unit 2: June 28, 2014, Unit 3: July 2, 2016
4	The One-Time Inspection Program will be implemented and completed prior to the period of extended operation.	Unit 1: December 20, 2013 Unit 2: June 28, 2014, Unit 3: July 2, 2016
5	The Selective Leaching of Materials Program will be implemented prior to the period of extended operation.	Unit 1: December 20, 2013 Unit 2: June 28, 2014, Unit 3: July 2, 2016
6	The Bus Inspection Program will be implemented prior to the period of extended operation.	Unit 1: December 20, 2013 Unit 2: June 28, 2014, Unit 3: July 2, 2016