



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

July 18, 2025

Delson C. Erb
Vice President, OPS Support
Tennessee Valley Authority
1101 Market Street, LP 4A-C
Chattanooga, TN 37402-2801

**SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3 – FINAL SAFETY
EVALUATION FOR THE SUBSEQUENT LICENSE RENEWAL APPLICATION
REVIEW (EPID NO. L-2023-SLR-0000)**

Dear Delson C. Erb:

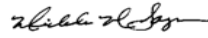
By letter dated January 19, 2024 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML24019A009), as supplemented by letters dated January 22, 2024 (ML24022A292), October 9, 2024 (ML24283A091), November 1, 2024 (ML24306A203), December 17, 2024 (ML24352A216), January 8, 2025 (ML25008A150), February 12, 2025 (ML25043A270 & ML25043A035), March 4, 2025 (ML25063A184), March 26, 2025 (ML25085A283), March 28, 2025 (ML25087A216), April 14, 2025 (ML25104A172), April 16, 2025 (ML25106A149), April 24, 2025 (ML25114A206), and May 1, 2025 (ML25121A174), Tennessee Valley Authority (TVA) submitted an application for subsequent license renewal (SLR) of Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68 for Browns Ferry Nuclear Plant (BFN), Units 1, 2, and 3, respectively, to the U.S. Nuclear Regulatory Commission (NRC). TVA submitted the application pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants," for SLR.

The NRC staff determined that the application was complete and acceptable for docketing as communicated by letter dated March 15, 2024 (ML24068A177) and noticed in the *Federal Register* on March 21, 2024 (89 FR 20254).

The NRC staff has reviewed the BFN Subsequent License Renewal Application (SLRA) and has developed the enclosed "Safety Evaluation Related to the Subsequent License Renewal of Browns Ferry Nuclear Plant, Units 1, 2, and 3", hereinafter referred to as the Safety Evaluation (SE). The SE reflects the status of the NRC staff's safety review of the SLRA, as supplemented, through May 1, 2025. The issuance of the enclosed SE is an important milestone for both the applicant and the NRC staff.

If you have any questions regarding this matter, please contact Jessica Hammock, Project Manager, for the safety review of the BFN SLRA at Jessica.Hammock@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Michele Sampson".

Signed by Sampson, Michele
on 07/18/25

Michele Sampson, Director
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

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

Enclosure: SE

cc w/encls: Browns Ferry Listserv

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ADAMS Accession Nos:**ML25169A140 (PKG)****ML25169A141 (LTR)****ML25195A024 (SE PROP)****ML25195A021 (SE Public) **Concurrence on SE issued July 16, 2025****NRR-106**

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|---------------|----------------------------|----------------|-------------------------------|-----------------------------------|
| OFFICE | BC/ELTB/DEX | BC/ESEB/DEX | BC/SCP/B/DSS | BC/SNSB/DSS |
| NAME | JPaige** | ITseng** | MValentin** | PSahd** |
| DATE | 10/30/2024 | 07/10/2025 | 08/14/2024 | 08/13/2025 |
| OFFICE | BC/APLB/DRA | BC/NVIB/DNRL | BC/NPHP/DNRL | BC/NCSG/DNRL |
| NAME | EDavidson** | ABuford** | MMitchell** | SBloom** |
| DATE | 10/09/2024 | 02/21/2025 | 03/31/2025 | 05/07/2025 |
| OFFICE | BC/SFNB/DSS | PM/NLRP/DNRL | BC/NLRP/DNRL | OGC (NLO) |
| NAME | SKrepel** | JHammock** | LGibson** (ANeuhausen for) | ALeatherman |
| DATE | 03/12/2025 | 04/07/2025 | 06/12/2025 | 07/10/2025 |
| OFFICE | D/DNRL | PM/NLRP/DNRL | LA/NLRP/DNRL | BC/NLRP/DNRL |
| NAME | MSampson** (JPaige for) | JHammock (ltr) | KBratcher (ltr) | LGibson (ltr) (ANeuhausen for) |
| DATE | 07/16/2025 | 06/17/2025 | 06/18/2025 | 07/11/2025 |
| OFFICE | D/DNRL | | | |
| NAME | MSampson | | | |
| DATE | 7/18/25 | | | |

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