



Post Office Box 2000, Decatur, Alabama 35609-2000

April 1, 2026

10 CFR 21.21

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

Browns Ferry Nuclear Plant, Unit 2
Subsequent Renewed Facility Operating License No. DPR-52
NRC Docket No. 50-260

Subject: Final Evaluation of a Deviation or Failure to Comply Associated with a Contactor in the Unit 2 Reactor Core Isolation Cooling System

Reference: Letter from TVA to NRC, "Interim Report of a Deviation or Failure to Comply Associated with a Contactor in the Unit 2 Reactor Core Isolation Cooling System," dated December 18, 2025 (ML25352A186).

In accordance with the requirements of Title 10 of the Code of Federal Regulations (10 CFR) 21.21(a)(2), the Tennessee Valley Authority is submitting this final report for Browns Ferry Nuclear Plant (BFN).

On October 9, 2025, while performing Post Maintenance Testing on the Unit 2 Reactor Core Isolation Cooling System, one of the replacement contactors was found to be defective. The contactor in question is a GE Vernova Hitachi Nuclear (GVH) part # QDS303A1A01EXA002XH (Contactor Heavy Duty, DS303 Type). This issue was promptly entered into the BFN Corrective Action Program as Condition Report 2043345. On October 22, 2025, TVA completed its 10 CFR Part 21 discovery process and determined the need to perform a 10 CFR Part 21 Evaluation.

On December 18, 2025, GVH completed an evaluation, including visual and functional tests, which was unable to replicate the failure condition at BFN. GVH concluded that the contactor is performing as designed and that no Part 21 condition exists. After review of the GVH evaluation, this condition was determined to not be reportable under 10 CFR Part 21.

There are no new regulatory commitments contained in this letter. Should you have any questions concerning this submittal, please contact David Renn, Site Compliance Manager, at (256) 729-2636.

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Respectfully,

A handwritten signature in black ink, appearing to read 'D. A. Komm', with a long horizontal stroke extending to the right.

Daniel A. Komm
Site Vice President

cc:

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