



Post Office Box 2000, Decatur, Alabama 35609-2000

March 24, 2022

10 CFR 50.54(q)  
10 CFR 50, Appendix E  
10 CFR 72.44(f)

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, 50-296, and 72-052

Subject: **Browns Ferry Nuclear Plant - Site Emergency Plan Implementing Procedure Revision**

In accordance with the requirements of Title 10 of the Code of Federal Regulations (10 CFR) 50.54(q); 10 CFR 50, Appendix E; and 10 CFR 72.44(f), the Tennessee Valley Authority (TVA) is submitting a description of changes to the Browns Ferry Nuclear Plant (BFN) Radiological Emergency Plan (REP). The affected document is the BFN Emergency Plan Implementing Procedure (EPIP) named below.

<u>EPIP</u>	<u>Revision</u>	<u>Title</u>	<u>Effective Date</u>
EPIP-2	0042	Notice of Unusual Event	02/22/2022
EPIP-3	0045	Alert	02/22/2022
EPIP-4	0045	Site Area Emergency	02/22/2022
EPIP-5	0059	General Emergency	02/22/2022

**Description of Changes and Summary of Analysis**

1. EPIP-2 Revision 42, EPIP-3 Revision 45, EPIP-4 Revision 45, and EPIP-5 Revision 59 added instruction to use Vaporstream as the primary method to be used to notify the State of Alabama of the declaration of a radiological emergency. Planning Standards 50.47(b)(5) – Notification Methods and Procedures and 50.47(b)(6) – Emergency Communications were impacted by this change.

2. EPIP-2 Revision 42, EPIP-3 Revision 45, EPIP-4 Revision 45, and EPIP-5 Revision 59 removed the second and third bullets from Block 3 of the Radiological Release Determination tables throughout the documents in order to prevent a potentially incorrect release determination by the Shift Manager when completing the notification to the state of Alabama. Planning Standard 50.47(b)(9) – Accident Assessment was impacted by this change.

These changes were determined to be changes to the REP that were not editorial or typographical in nature. These changes were also determined to not conform to activities that had prior approval. Because 10 CFR 50.47(b) Planning Standards were impacted by these changes, it was concluded that the changes could not be implemented without performing a 50.54(q) reduction in effectiveness evaluation. Upon completion of the Effectiveness Evaluation Forms for these changes, it was concluded that the changes continue to comply with the requirements of 50.47(b) and 50 Appendix E, and that the changes do not constitute a reduction in effectiveness. Therefore, these changes were allowed to be implemented without prior approval.

There are no new regulatory commitments in this letter. If you have any questions regarding this submittal, please contact B. F. Tidwell at (256) 729-3666.

Respectfully,



Matthew Rasmussen  
Site Vice President

cc:

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