



1101 Market Street, Chattanooga, Tennessee 37402

CNL-22-047

May 20, 2022

10 CFR 50.54(q)  
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

Sequoyah Nuclear Plant, Units 1 and 2  
Renewed Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327, 50-328, and 72-034

Watts Bar Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. NPF-90 and NPF-96  
NRC Docket Nos. 50-390, 50-391, and 72-1048

Subject: **Tennessee Valley Authority – Central Emergency Control Center  
Emergency Plan Implementing Procedure and Emergency Preparedness  
Department Procedure Revisions**

In accordance with the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) 50.54(q) and 10 CFR 72.44(f), Tennessee Valley Authority (TVA) is submitting a description of changes to the TVA Radiological Emergency Plan (REP) for Browns Ferry Nuclear, Sequoyah Nuclear (SQN), and Watts Bar Nuclear plants. The affected documents are the Central Emergency Control Center (CECC) Emergency Plan Implementing Procedure (EPIP) and Emergency Preparedness Department Procedure (EPDP) listed below.

<u>Document</u>	<u>Revision</u>	<u>Title</u>	<u>Effective Date</u>
CECC EPIP-1	72	Central Emergency Control Center (CECC) Operations	04/29/2022
EPDP-3	22	Emergency Plan Exercises and Preparedness Drills	04/25/2022

## **Description of Changes and Summary of Analysis**

### **CECC EPIP-1**

TVA revised this EPIP as follows:

- Appendices E, F, and G  
Corrected pages numbers in the headers of these appendices. Replaced all instances of verifying read receipts for Vaporstream with “verify the attachment has been opened.” The term “read receipt” is not used in the Vaporstream electronic notification system.

### **EPDP-3**

TVA revised this EPDP as follows:

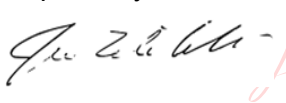
- General  
Attachment numbers were updated throughout due to the addition of new attachments. Made minor/editorial changes throughout to correct formatting.
- Section 3.2.1 – Drill and Exercise General Information  
Added this section to provide more detailed information on the types of drills and exercises.
- Section 3.2.1.A.3.b – Scenario Development  
Added Step 5 concerning the simulated use of drones/robots, radiography, or photography being developed by the scenario development team.
- Section 3.2.1.A.6 – Evaluation  
Updated wording in Step I to clarify that a formal critique presentation will be given by the exercise director or designee.
- Section 3.2.1.A.7 – Drill Objectives and Demonstration Criteria  
Added this section concerning drill and exercise demonstration criteria.
- Section 3.2.2 – Drill and Exercise Specifics  
Added this section to give details concerning drills and exercises outlined in the REP.
- Section 3.2.2.J – Drill and Exercise Expectations  
Added guidance in Step 4 on what to do if a trainee unexpectedly arrives to a drill.
- Section 5.0 – Definitions  
Removed reference to the Off Year Activity, which is no longer required.
- Attachments 1, 7, 8, 11, 12, and 13  
Updated these attachments with performance data from 2020 and 2021. Also, corrected the date for SQN’s last ingestion pathway exercise from 2007 to 2008.
- Attachment 3 – Critique Agenda  
Updated the attachment to be more detailed and formatted more logically.
- Attachment 9 – Drill Objectives  
Updated the drill objectives to align with Institute of Nuclear Power Operations standards.
- Attachment 10 – Objectives for Drills and Exercises  
Added this attachment as guidance for determining which objectives are applicable to each type of drill or exercise.

- Attachment 19 – Guidance for Preparation and Delivery of ERO Focused and Virtual Training Drills  
Added this attachment to provide guidance to the emergency preparedness staff for the development and execution of focused and virtual training drills to ensure readiness is maintained.

The above changes were evaluated in accordance with 10 CFR 50.54(q)(3) and 10 CFR 72.44(f). TVA determined that the changes did not reduce the effectiveness of the TVA REP. The TVA REP, as revised, continues to meet the requirements in Appendix E to 10 CFR 50 and the planning standards of 10 CFR 50.47(b).

There are no new regulatory commitments contained in this letter. Please address any questions regarding this submittal to Stuart L. Rymer, Senior Manager, Fleet Licensing, at [srymer@tva.gov](mailto:srymer@tva.gov).

Respectfully,

 Digitally signed by Carla Edmondson  
Date: 2022.05.20 13:36:40 -04'00'

James T. Polickoski  
Director, Nuclear Regulatory Affairs

cc:

NRC Regional Administrator - Region II  
NRC Senior Resident Inspector - Browns Ferry Nuclear Plant  
NRC Senior Resident Inspector - Sequoyah Nuclear Plant  
NRC Senior Resident Inspector - Watts Bar Nuclear Plant  
NRC Project Manager - Browns Ferry Nuclear Plant  
NRC Project Manager - Sequoyah Nuclear Plant  
NRC Project Manager - Watts Bar Nuclear Plant  
NRC Director - Division of Spent Fuel Management, NMSS