



1101 Market Street, Chattanooga, Tennessee 37402

CNL-23-042

May 16, 2023

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 – Radiological Emergency Plan and Central
Emergency Control Center Emergency Plan Implementing 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). The affected documents are the Generic REP and Central Emergency Control Center (CECC) Emergency Plan Implementing Procedures (EIPs) listed below.

<u>Document</u>	<u>Revision</u>	<u>Title</u>	<u>Effective Date</u>
REP-Generic	115	Radiological Emergency Plan (Generic Part)	05/01/2023
CECC EPIP-1	74	Central Emergency Control Center (CECC) Operations	05/01/2023
CECC EPIP-6	51	CECC Plant Assessment Staff Procedure for Alert, Site Area Emergency, and General Emergency	05/01/2023
CECC EPIP-7	47	CECC Radiological Assessment Staff Procedure for Alert, Site Area Emergency, and General Emergency	05/01/2023

Description of Changes and Summary Analysis

REP-Generic

TVA revised this REP as follows.

- Section 5.2.2F, for an Alert, the words “form of precipitation” was changed to “amount of precipitation” in the prevailing weather information provided to the State agencies.
- Figure 10-1, Initial Protective Action Recommendation Flowchart, was revised to reflect the updated Protective Action Recommendation (PAR) scheme which removes staged evacuation based on evaluation of the decennial evacuation time estimate (ETE) updates.

CECC EPIP-1

TVA revised this EPIP as follows.

- Updated Appendix H, Protective Action Recommendations Logic Diagram, to reflect the removal of staged evacuation, which aligns with concurrent changes made in the REP, Revision 115 due to the decennial update to the site ETEs. As part of this change, the Appendix I, Protective Action Recommendation Worksheet and Protective Action Recommendation, was updated to change Recommendation 3 from “Shelter 5 miles downwind” to “Evacuate 5 miles downwind” and to remove Recommendation 6, which is no longer applicable.

CECC EPIP-6

TVA revised this EPIP as follows.

- Updated Appendix C, Protective Action Recommendations, to be consistent with the updated PAR scheme in the REP which removes staged evacuation. This change is being made concurrently with REP, Revision 115.

CECC EPIP-7

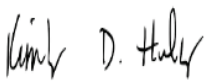
TVA revised this EPIP as follows.

- Updated the Attachment 1, Protective Action Recommendations, to be consistent with the updated PAR scheme in the REP which removes staged evacuation. This change is being made concurrently with REP, Revision 115.
- Updated Attachment 2, Radiological Assessment Manager’s Checklist, to direct the Radiological Assessment Manager to use site specific release determination guidance in site EIPs as applicable and to communicate whether the release is within Offsite Dose Calculation Manual limits to the Public Information Writer and Public Information Manager.

The above changes were evaluated in accordance with 10 CFR 50.54(q)(3). 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 in this letter. Please address any questions regarding this submittal to Stuart L. Rymer, Senior Manager, Fleet Licensing, at slymer@tva.gov.

Respectfully,



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Date: 2023.05.16 08:22:41 -04'00'

Kimberly D. Hulvey
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