



1101 Market Street, Chattanooga, Tennessee 37402

CNL-22-077

August 11, 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 – 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 Central Emergency Control Center (CECC) Emergency Plan Implementing Procedures (EPIP) listed below.

<u>Document</u>	<u>Revision</u>	<u>Title</u>	<u>Effective Date</u>
CECC EPIP-1	73	Central Emergency Control Center (CECC) Operations	07/18/2022
CECC EPIP-7	44	CECC Radiological Assessment Staff Procedure for Alert, Site Area Emergency, and General Emergency	07/18/2022

<u>Document</u>	<u>Revision</u>	<u>Title</u>	<u>Effective Date</u>
CECC EPIP-9	63	Emergency Environmental Radiological Monitoring Procedures	07/18/2022
CECC EPIP-23	26	Radioactive Material Transportation Incidents	07/18/2022

Description of Changes and Summary Analysis

CECC EPIP-1

TVA revised this EPIP as follows:

- Appendix A, "Emergency Duty Officer (EDO) and EP Staff Checklist"
Removed checklist item to verify with the operations duty specialist that Vaporstream messages are being received. Updated position title of CECC Admin Support. Removed instruction to add the wind direction arrow to the emergency planning zone map; the wind is tracked digitally. Added instruction to the termination portion to retrieve field team data from RadResponder (radiation data collection application).

CECC EPIP-7

TVA revised this EPIP as follows:

- Section 5.2, "Radiological Assessment Coordinator"
Updated to include review and approval of field team data collected by the Environs Assessor.
- Section 5.6, "Radiological Board Writer"
Updated to reflect that the meteorologist may be in locations other than CECC or Muscle Shoals, provided they have adequate communications and computer capabilities.
- Section 5.7, "Meteorologist"
Updated to reflect that the meteorologist may be in locations other than CECC or Muscle Shoals, provided they have adequate communications and computer capabilities.
- Attachment 3, "Radiological Assessment Coordinator's Checklist"
Checklist updated to include use of RadResponder application.
- Attachment 4, "Environs Assessors Checklist"
Added statement concerning use of backup methods if the radio is unavailable and added lines to record backup phone numbers used. Checklist updated to include use of RadResponder application.
- Attachment 5, "TSC Information Form"
Updated for review and approval of field team data in RadResponder and communication with the Technical Support Center (TSC).
- Attachment 6, "Radiological Assessment Boardwriter's Checklist"
Checklist updated to include use of RadResponder application.
- Added new attachments Attachment 8, "RadResponder Instructions for Data Approval," and Attachment 9, "RadResponder Instructions," and updated downstream attachment numbers.

CECC EPIP-9

TVA revised this EPIP as follows:

- Attachment 8, "Monitoring Team Vehicle Inventory"
Removed specific cabinet numbers to make locations of van equipment generic and added a note to ensure documents inventoried are the most recent versions. Also, added a computer tablet (iPad or equivalent) to the inventory for use with RadResponder.
- Procedure revised throughout for the use of RadResponder. This includes the addition of Attachment 13, "CBRN Responder for Field Data Collection."

CECC EPIP-23

TVA revised this EPIP as follows:

- Attachment 1, "EP Emergency Duty Officer Checklist"
Updated note to state the transportation accident field kit assigned to the CECC is located in the CECC.
- Attachment 4, "CECC Environs Assessor and Field Coordinator Checklist"
Added Step 1.0.G to document field team readings and samples in the appropriate application.
- Attachment 5, "Transportation Incident Equipment Inventory"
Replaced reference to Radeco H809V with Radeco H-810, which is now in use at TVA. Also replaced direct reading dosimeters with electronic dosimeters and removed dosimeter charger with battery. Added a copy of CECC EPIP-7 to inventory.
- Attachment 6, "Incident Scene Activities"
Replaced reference to direct reading dosimeter with self-reading dosimeter. Removed reference to the Bicon Surveyor 50, which is no longer in use at TVA. Added the use of the multipurpose survey meter, which may be used to obtain exposure rates. Added Note 2 in Section 3.0 to reference NPG-SPP-05.9.1, "Radioactive Material/Waste Shipments," for package contamination limits. Added instruction to Section 3.0.H for recording survey results using CBRN Responder.
- Attachment 8, "On Scene Incident Report"
Updated Step O for the use of CBRN Responder.
- Other minor editorial changes to fix note location, punctuation, and define first use of an acronym. Also updated title of Site Communications Representative in Section 4.8.

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).

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There are no new regulatory commitments contained in this letter. Please address any questions regarding this submittal to slrymer@tva.gov.

Respectfully,



Digitally signed by Rymer, Stuart Loveridge
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Stuart L. Rymer
Director (Acting), Nuclear Regulatory Affairs

cc:

NRC Regional Administrator - Region II
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