



1101 Market Street, Chattanooga, Tennessee 37402

CNL-24-041

August 28, 2024

10 CFR 50.90

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

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

Subject: **Application to Revise the Fuel Handling Accident Analysis, to Delete Technical Specification 3.9.4, "Containment Penetrations," and to Modify Technical Specification 3.3.6, "Containment Ventilation Isolation Instrumentation" for Sequoyah Nuclear Plant (SQN-TS-24-01)**

In accordance with the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) 50.90, "Application for amendment of license, construction permit, or early site permit," Tennessee Valley Authority (TVA) is submitting a license amendment request for Renewed Facility Operating License Nos. DPR-77 and DPR-79 for Sequoyah Nuclear Plant (SQN), Units 1 and 2, to revise the fuel handling accident analysis, to delete SQN Units 1 and 2 Technical Specification (TS) 3.9.4, "Containment Penetrations," and to modify SQN Units 1 and 2 TS 3.3.6, "Containment Ventilation Isolation Instrumentation."

This proposed license amendment would allow material to be transferred through containment penetrations in parallel with movement of irradiated fuel assemblies, thus facilitating a more efficient refueling outage schedule with no adverse effect on public health and safety.

Enclosure 1 to this submittal provides an evaluation of the proposed change, a regulatory evaluation, and a discussion of environmental considerations. Attachment 1 to Enclosure 1 provides the existing SQN Unit 1 TS pages marked up to show the proposed changes. Attachment 2 to Enclosure 1 provides the existing SQN Unit 2 TS pages marked up to show the proposed changes. Attachment 3 to Enclosure 1 provides the existing SQN Unit 1 TS Bases pages marked up to show the proposed changes. Attachment 4 to Enclosure 1 provides the existing SQN Unit 2 TS Bases pages marked up to show the proposed changes. Changes to the existing TS Bases are provided for information only and will be implemented under the Technical Specification Bases Control Program.

Enclosures 2, 3, 4, and 5 provide supporting documentation for the proposed changes. Enclosure 6 provides the data files for the proposed changes.

D030
ADD1
NRR

A DVD is provided that contains all enclosures, attachments, and data files. The contents of the DVD are listed in the enclosure section of this letter.

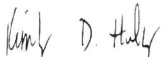
TVA requests approval of the proposed license amendment within one year of completion of the Nuclear Regulatory Commission (NRC) acceptance review. Once approved, the amendment shall be implemented within 60 days.

TVA has determined that there are no significant hazards considerations associated with the proposed change and that the TS change qualifies for a categorical exclusion from environmental review pursuant to the provisions of 10 CFR 51.22(c)(9). In accordance with 10 CFR 50.91(b)(1), TVA is sending a copy of this letter and enclosure to the Tennessee State Department of Environment and Conservation.

There are no new regulatory commitments contained in this letter. If you have any questions regarding this submittal, please contact Stuart L. Rymer, Senior Manager, Fleet Licensing, at slyrmer@tva.gov.

I declare under penalty of perjury that the foregoing is true and correct. Executed on this 28th day of August 2024.

Respectfully,



Digitally signed by Edmondson,
Carla
Date: 2024.08.28 08:29:45 -04'00'

Kimberly D. Hulvey
General Manager, Nuclear Regulatory Affairs & Emergency Preparedness

Enclosures: (DVD Content List)

1. Description and Assessment of the Proposed Changes
2. Calculation of Atmospheric Dispersion Factors – Control Room
3. Calculation of Atmospheric Dispersion Factors – Exclusion Area Boundary & Low Population Zone
4. Marked-up Equipment Layout Drawings
5. Joint Frequency Distributions of Wind Speed and Direction
6. ARCON96 Files, Hourly Meteorological Data for 2002-2013, MET Data Files, and PAVAN Files

cc (Enclosures):

NRC Regional Administrator - Region II
NRC Project Manager - Sequoyah Nuclear Plant
NRC Senior Resident Inspector - Sequoyah Nuclear Plant
Director, Division of Radiological Health - Tennessee Department of Environment
and Conservation