



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 3, 2018

Mr. Joseph W. Shea
Vice President, Nuclear Regulatory
Affairs and Support Services
Tennessee Valley Authority
1101 Market Street, LP 4A
Chattanooga, TN 37402-2801

SUBJECT: SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2 – CORRECTION TO
NONAPPLICABLE STATEMENT IN SAFETY EVALUATION TO CHANGE
EMERGENCY PLAN (EPID L-2017-LLA-0310)

Dear Mr. Shea:

On August 6, 2018, the Nuclear Regulatory Commission (NRC) issued Amendment Nos. 342 and 335 to Renewed Facility Operating License Nos. DPR-77 and DPR-79 for Sequoyah Nuclear Plant, Units 1 and 2, respectively. These amendments are in response to your application dated September 29, 2017, as supplemented by letter dated March 14, 2018. These amendments revised the Sequoyah Nuclear Plant's Emergency Plan to change the emergency response organization (ERO) staffing composition and to increase the staff augmentation times from 30 minutes to 60 minutes and from 60 minutes to 90 minutes for certain ERO positions from the time of declaration of an Alert or higher emergency classification level.

After issuance of the amendments, the NRC staff was informed that the Safety Evaluation Section 3.2.5, Major Functional Area: Plant System Engineering, Repair and Corrective Actions," under Technical Support (4th paragraph) contains a nonapplicable statement. Please replace the incorrect page 9 with the corrected Safety Evaluation page 9 enclosed with this letter. This did not change our conclusions and bases.

J. Shea

- 2 -

We apologize for any inconvenience this may cause you. If you have any questions regarding this matter, please contact me at (301) 415-8480.

Sincerely,

A handwritten signature in black ink, appearing to be 'A Hon', with a long horizontal flourish extending to the right.

Andrew Hon, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328,

Enclosure:
Corrected Safety Evaluation Page

cc: Listserv

ENCLOSURE

3.2.5 Major Functional Area: Plant System Engineering, Repair, and Corrective Actions

This Major Functional Area includes the following tasks:

Technical Support: The guidance in NUREG-0654, Table B-1, identifies one on-shift Shift Technical Advisor (STA), one core/thermal hydraulics engineering expert to be available in 30 minutes, and one electrical and one mechanical engineering expert to be available in 60 minutes.

The current SQN Emergency Plan identifies an on-shift STA with a Core/Thermal Engineer, a Mechanical Engineer, and an Electrical Engineer augmenting within 60 minutes of the declaration of an Alert or higher ECL.

TVA proposes to transfer the Core/Thermal Engineer task to a Core Damage Assessor at the CECC, who will respond in 60 minutes to the CECC after the declaration of an Alert or higher ECL. TVA states that the Core Damage Assessor is specifically identified and is qualified to perform the core/thermal-hydraulic function for all TVA sites. The Mechanical Engineer and the Electrical Engineer will continue to respond within 60 minutes of the declaration of an Alert or higher ECL.

TVA will continue to provide augmented staffing within 60 minutes of the declaration of an Alert or higher ECL to perform the Core/Thermal Engineer function, and to provide an Electrical Engineer and a Mechanical Engineer. The NRC staff finds that changing the location of the 60-minute augmentation Core/Thermal Engineer function from the TSC to the CECC Core Damage Assessor to be acceptable as there is no loss of function or impact on the timing for providing the Core/Thermal Engineer task. Therefore, the proposed SQN Emergency Plan continues to meet the standards of 10 CFR 50.47(b) and the requirements of Appendix E to 10 CFR Part 50.

Repair and Corrective Actions: The guidance in NUREG-0654, Table B-1, specifies the major task of "Repair and Corrective Actions" to be fulfilled on-shift by a total of two personnel and "[m]ay be provided by shift personnel assigned other functions." One person would perform the function of a mechanic and one person would perform the function of an electrician. One electrician and one instrument and control (I&C) technician would respond within 30 minutes to augment the ERO. One mechanic, one Rad Waste operator, and one additional electrician would respond within 60 minutes to augment the ERO.

The current SQN Emergency Plan has one I&C technician, one mechanic, and two electricians, who report to the OSC upon entry into the emergency plan with one additional mechanic and one additional electrician responding within 60 minutes of the declaration of an Alert or higher ECL.

The proposed SQN Emergency Plan would eliminate the on-shift repair team staffing, while maintaining one mechanic and one electrician augmenting within 60 minutes and an I&C technician responding within 90 minutes of the declaration of an Alert or higher ECL.

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***by email**

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