

From: Wentzel, Michael
Sent: Monday, August 30, 2021 8:57 AM
To: Orf, Tracy J
Cc: Wrona, David
Subject: Browns Ferry Nuclear Plant, Units 1, 2, and 3 - Acceptance of License Amendment Request to Transition to ATRIUM-11 Fuel (EPID L-2021-LLA-0132)

Dear Mr. Orf,

By letter dated July 23, 2021 (Agencywide Documents Access and Management System Accession No. ML21204A128), the Tennessee Valley Authority (the licensee) requested amendments to Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68 for Browns Ferry Nuclear Plant, Units 1, 2, and 3, respectively. The proposed amendments would revise Technical Specification to allow the application of the Advanced Framatome Methodologies for determining core operating limits in support of the loading of ATRIUM 11™ fuel design at Browns Ferry Nuclear Plant, Units 1, 2, and 3. Additionally, the proposed amendments would adopt Technical Specification Task Force Traveler, TSTF-564, Revision 2, "Safety Limit MCPR [Minimum Critical Power Ratio]" (Agencywide Documents Access and Management System Accession No. ML20132A260). The U.S. Nuclear Regulatory Commission (NRC) staff performs acceptance reviews of applications to determine if the scope and depth of technical information is sufficient for the staff to complete its technical reviews. The acceptance reviews also intend to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with 10 CFR 50.90, an amendment to the license (including the TSs) must fully describe the changes requested, and following as far as applicable, the form prescribed for original application. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has concluded that the licensee's submittal provides technical information in sufficient detail to enable the staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed request in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which the NRC staff identifies issues that affect its ability to complete the detailed technical review despite completion of an adequate acceptance review. If the NRC staff needs additional information, it will notify the licensee by separate correspondence.

The NRC staff has estimated that it will take approximately 1100 hours to complete this licensing request and that it will complete its review by the licensee's requested date of January 11, 2023. These estimates are based on the NRC staff's initial review of the application and could change because of several factors, such as requests for additional information, unanticipated addition of application scope, review by NRC advisory committees, or hearing-related activities. Additional delay may occur if the submittal is provided to the NRC in advance of or in parallel with industry program initiatives or pilot applications. If complexities or challenges during the review cause significant changes to the estimated hours or completion

date, the assigned project manager will communicate the new estimates and reasons for the changes to the licensee during routine interactions.

If you have any questions, please contact me at (301) 415-6459 or michael.wentzel@nrc.gov.

Sincerely,

Michael J. Wentzel, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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Recipients:
"Wrona, David" <David.Wrona@nrc.gov>
Tracking Status: None
"Orf, Tracy J" <tjorf@tva.gov>
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