

From: [Galvin, Dennis](#)
To: Arthur.Zaremba@duke-energy.com
Subject: Shearon Harris Nuclear Power Plant, Unit 1, and H. B. Robinson Steam Electric Plant, Unit No. 2 - Acceptance of Requested Licensing Action Re: Amendment Request (EPID L-2017-LLA-0356)
Date: Monday, November 27, 2017 4:41:00 PM

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1, AND H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 - ACCEPTANCE OF REQUESTED LICENSING ACTION RE: AMENDMENT REQUEST (EPID L-2017-LLA-0356)

Mr. Zaremba,

By letter dated October 9, 2017, Duke Energy Progress, LLC (the licensee)(Duke Energy) (Agencywide Documents Access and Management System Accession No. ML17292A040) submitted a license amendment request for Shearon Harris Nuclear Power Plant, Unit 1 (HNP) and H. B. Robinson Steam Electric Plant, Unit No. 2 (RNP). The proposed amendment consists of five changes that would revise the HNP and RNP Technical Specifications (TSs) to support the allowance of Duke Energy to self-perform core reload design and safety analyses. (1) Add the NRC-approved COPERNIC topical to the list of topical reports for HNP and RNP. (2) Relocate several TS parameters to the Core Operating Limits Reports (COLRs) for HNP and RNP. (3) Revise the RNP TS Moderator Temperature Coefficient (MTC) maximum upper limit. (4) Revise the HNP TS definition of Shutdown Margin consistent with Technical Specification Task Force (TSTF) TSTF-248, Revision 0, "Revise Shutdown Margin Definition for Stuck Rod Exception." (5) Revise the RNP and HNP Power Distribution Limits limiting condition of operation (LCO) actions and surveillance requirements (SRs) to allow operation of a reactor core designed using the DPC-NE-2011-P, "Nuclear Design Methodology Report for Core Operating Limits of Westinghouse Reactors," methodology.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended 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 Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. 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 reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment 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 issues that

impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

Based on the information provided in your submittal and discussions during the pre-licensing meeting on August 3, 2017, the NRC staff has estimated that this licensing request will take approximately 700-800 hours to complete. The NRC staff expects to complete this review in approximately 12 months, which is November 2018. If there are emergent complexities or challenges in our review that would cause changes to the initial forecasted completion date or significant changes in the forecasted hours, the reasons for the changes, along with the new estimates, will be communicated during the routine interactions with the assigned project manager.

These estimates are based on the NRC staff's initial review of the application and they could change, due to several factors including requests for additional information, unanticipated addition of scope to the review, and review by NRC advisory committees or hearing-related activities. Additional delay may occur if the submittal is provided to the NRC in advance or in parallel with industry program initiatives or pilot applications.

If you have any questions, please contact me at (301) 415-6256.

Sincerely,

Dennis Galvin
Project Manager
U.S Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Operating Reactor Licensing
Licensing Project Branch 2-2
301-415-6256

Docket Nos. 50-400 and 50-261