

**From:** Mahoney, Michael  
**Sent:** Wednesday, June 10, 2020 1:37 PM  
**To:** Art Zaremba  
**Cc:** dennis.Earp@duke-energy.com  
**Subject:** Acceptance Review - Shearon Harris Nuclear Power Plant, Unit 1 License Amendment Request Regarding TS Changes to RCS Pressure and Temperature Limit Curves (L-2020-LLA-0111)

Art,

By letter RA-19-0359, dated May 12, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20134H888), Duke Energy Progress, LLC (the licensee) submitted a license amendment request (LAR) for the Shearon Harris Nuclear Power Plant, Unit 1 (Harris). The proposed amendment would modify Technical Specifications (TSs) 3/4.4.9, "Pressure/Temperature Limits – Reactor Coolant System," to reflect an update to the pressure and temperature limit curves in Figures 3.4-2 (Reactor Coolant System Cooldown Limitations) and 3.4-3 (Reactor Coolant System Heatup Limitations). The proposed change also reflects that the revised pressure and temperature limit curves in TS Figures 3.4-2 and 3.4-3 will be applicable until 55 effective full power years (EFPY). Additionally, the proposed change revises TS Figure 3.4-4 (Maximum Allowed PORV Setpoint for the Low Temperature Overpressure Protection System) to reflect that the setpoint values are based on 55 EFPY reactor vessel data.

The purpose of this e-mail 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.

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. If additional information is needed, you will be advised by separate correspondence.

Based on the information provided in your submittal, the NRC staff has estimated that this licensing request will take approximately 380 hours to complete. The NRC staff expects to complete this review in approximately 12 months, which is June 2021. 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.

If you have any questions, please contact me.

Thanks

**Mike Mahoney**

Project Manager, LPL2-2

Division of Operating Reactor Licensing

Office of Nuclear Reactor Regulation

U. S. Nuclear Regulatory Commission

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