

## **NRR-DMPSPeM Resource**

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**From:** Barillas, Martha  
**Sent:** Thursday, April 19, 2018 4:53 PM  
**To:** Tanya.Hamilton@duke-energy.com; Robertson, Jeffrey N; McDaniel, Sarah A  
**Cc:** Tindell, Brian; Barillas, Martha  
**Subject:** Shearon Harris Nuclear Power Plant Unit 1-Acceptance of RR I4R-18 RVCH Nozzle Repair Technique L-2018-LLR-0053

**SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1- ACCEPTANCE OF RELIEF REQUEST I4R-18, REACTOR VESSEL CLOSURE HEAD NOZZLE REPAIR TECHNIQUE, INSERVICE INSPECTION PROGRAM, FOURTH TEN-YEAR INTERVAL (EPID L-2018-LLR-0053)**

Ms. Hamilton,

By letter dated April 18, 2018, Duke Energy Progress, LLC submitted a relief request (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18108A094) for Shearon Harris Nuclear Power Plant, Unit 1. The relief request is associated with the reactor vessel closure head (RVCH) nozzle repair technique to repair the RVCH nozzle penetration 33 flaw that was identified as part of inspections performed in the current refueling outage. As an alternative to the requirements of the RVCH Code of Construction, ASME Code Section III, 1971 Edition including Addenda through winter 1971, the proposed repair will be performed in accordance with the 2007 Edition through the 2008 Addenda of ASME Code Section XI, Code Case N-638-6, Code Case N-729-4, and the alternatives discussed in section 4 of the application. You are requesting this relief in accordance with 10 CFR 50.55a(z)(1) and it would be applicable to the fourth ten-year inservice inspection interval, which commenced on September 9, 2017 and ends on September 8, 2027. 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 relief 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 relief request will take approximately 280 hours to complete. The NRC staff expects to complete this review in approximately 12 months from acceptance. 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, and unanticipated addition of scope to the review. 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 [Martha.Barillas@nrc.gov](mailto:Martha.Barillas@nrc.gov) or at (301) 415-2760.

Martha Barillas  
Project Manager  
NRR/DORL/Licensing Branch II-2  
US Nuclear Regulatory Commission  
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**From:** Barillas, Martha

**Created By:** Martha.Barillas@nrc.gov

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