

**From:** Wall, Scott  
**Sent:** Thursday, May 20, 2021 12:11 PM  
**To:** Lashley, Phil H (EH)  
**Cc:** Morgan, Jeffrey D.  
**Subject:** Perry Nuclear Power Plant – Acceptance of License Amendment and Exemptions Regarding Revising the Methodology Used for Flood Hazard Analysis

Dear Mr. Lashley:

By letter dated April 7, 2021 (Agencywide Documents Access and Management System Accession No. ML21106A027), Energy Harbor Nuclear Corp (EHNC, the licensee) submitted license amendment requests for Perry Nuclear Power Plant (PNPP), to revise the Updated Safety Analysis Report (USAR) to change the methodology used for analysis of flooding hazards and drainage within the local intense precipitation (LIP) domain and reflect the results from the new analysis. Based on the new analysis a new flood hazard protection scheme is also proposed for PNPP. In addition, in accordance with Title 10 of the Code of Federal Regulations (10 CFR) Section 50.12, EHNC requests exemptions to credit non-safety related protection features including (1) permanent (passive) and temporary (deployable), as flood barriers, and (2) the plant storm drain system in mitigation of flood levels during a LIP event.

The purpose of this e-mail is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of the amendment and exemption requests. 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 10 CR 50.90, 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 amendments and exemptions 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 the following for each amendment and exemption:

1. Amendment – LAR to Revise the Methodology Used for Flood Hazard Analysis
  - EPID: L-2021-LLA-0067
  - Hours to Complete: 900 hours
  - Target Completion Date: May 2022

2. Exemption – Exemption to Credit Existing Non-Safety Related Protection Features as Flood Barriers
  - EPID: L-2021-LLE-0022
  - Hours to Complete: 300 hours
  - Target Completion Date: May 2022
3. Exemption – Exemption to Credit the Plant Storm Drain System in the Mitigation of Flooding
  - EPID: L-2021-LLE-0023
  - Hours to Complete: 300 hours
  - Target Completion Date: May 2022

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 (301) 415-2855 or e-mail at [Scott.Wall@nrc.gov](mailto:Scott.Wall@nrc.gov).

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**From:** Wall, Scott

**Created By:** Scott.Wall@nrc.gov

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