

## **NRR-PMDAPem Resource**

---

**From:** Barillas, Martha  
**Sent:** Friday, July 21, 2017 9:28 AM  
**To:** Tanya.Hamilton@duke-energy.com; Robertson, Jeffrey N; Caves, John  
**Cc:** Barillas, Martha; Shoop, Undine; Quichocho, Jessie; Oesterle, Eric; Alley, David; Whitman, Jennifer  
**Subject:** Shearon Harris Nuclear Power Plant, Unit 1-Acceptance of License Amendment Request related to Emergency Diesel Generator Technical Specifications changes

**SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1-ACCEPTANCE OF LICENSE AMENDMENT REQUEST RELATED TO EMERGENCY DIESEL GENERATOR SURVEILLANCE REQUIREMENTS REGARDING VOLTAGE AND FREQUENCY LIMITS AND THE VOLTAGE LIMIT FOR EMERGENCY DIESEL GENERATOR LOAD REJECTION**

Dear Ms. Hamilton:

By letter dated June 5, 2017, Agencywide Documents Access and Management System (ADAMS Accession No. ML17156A216), Duke Energy Progress, LLC (Duke Energy) submitted a license amendment request for Shearon Harris Nuclear Power Plant, Unit 1 (HNP). The application requests to revise HNP Technical Specifications (TS) surveillance requirements (SRs) for the emergency diesel generators (EDGs). The proposed changes will restrict the steady-state voltage and frequency limits for EDG operation to ensure that accident mitigation equipment can perform as designed. These changes modify the existing non-conservative voltage and frequency limits in the HNP TS. Duke also requests a revision to HNP TS SR to increase the voltage limit for the EDG full load rejection test to provide additional operating margin to test acceptance criteria.

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 application. 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 the licensing request will take approximately 580 hours to complete. The NRC staff expects to complete this review in approximately 12 months, which is June 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 [Martha.Barillas@nrc.gov](mailto:Martha.Barillas@nrc.gov) or (301) 415-2760.

Respectfully,

Martha Barillas  
Project Manager  
Shearon Harris Nuclear Power Plant Unit 1  
NRR/DORL/LPLII-2  
US Nuclear Regulatory Commission

**Hearing Identifier:** NRR\_PMDA  
**Email Number:** 3620

**Mail Envelope Properties** (6014639c5570407d801cd8588867bbb6)

**Subject:** Shearon Harris Nuclear Power Plant, Unit 1-Acceptance of License Amendment  
Request related to Emergency Diesel Generator Technical Specifications changes  
**Sent Date:** 7/21/2017 9:27:33 AM  
**Received Date:** 7/21/2017 9:27:34 AM  
**From:** Barillas, Martha

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

**Recipients:**

"Barillas, Martha" <Martha.Barillas@nrc.gov>  
Tracking Status: None  
"Shoop, Undine" <Undine.Shoop@nrc.gov>  
Tracking Status: None  
"Quichocho, Jessie" <Jessie.Quichocho@nrc.gov>  
Tracking Status: None  
"Oesterle, Eric" <Eric.Oesterle@nrc.gov>  
Tracking Status: None  
"Alley, David" <David.Alley@nrc.gov>  
Tracking Status: None  
"Whitman, Jennifer" <Jennifer.Whitman@nrc.gov>  
Tracking Status: None  
"Tanya.Hamilton@duke-energy.com" <Tanya.Hamilton@duke-energy.com>  
Tracking Status: None  
"Robertson, Jeffrey N" <Jeffrey.Robertson@duke-energy.com>  
Tracking Status: None  
"Caves, John" <John.Caves@duke-energy.com>  
Tracking Status: None

**Post Office:** HQPWMSMRS06.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3805	7/21/2017 9:27:34 AM

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**