



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 18, 2015

Mr. Benjamin C. Waldrep
Site Vice President
Shearon Harris Nuclear Power Plant
5413 Shearon Harris Road
M/C HNP01
New Hill, NC 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 – SUPPLEMENTAL INFORMATION NEEDED FOR ACCEPTANCE OF REQUESTED LICENSING ACTION FOR TECHNICAL SPECIFICATION CHANGE REGARDING RISK-INFORMED JUSTIFICATION FOR THE RELOCATION OF SPECIFIC SURVEILLANCE FREQUENCY REQUIREMENTS TO A LICENSEE CONTROLLED PROGRAM (TAC NO. MF6583)

Dear Mr. Waldrep:

By letter dated August 18, 2015 (Agencywide Documents Access and Management System Accession No. ML15236A265), Duke Energy Progress, Inc. (Duke Energy) requested an amendment to the Technical Specifications (TSs) of Renewed Facility Operating License No. NPF-63 for Shearon Harris Nuclear Power Plant, Unit 1. The proposed amendment would revise the TSs by relocating specific surveillance frequencies to a licensee-controlled program with the adoption of Technical Specification Task Force Traveler-425, Revision 3, "Relocate Surveillance Frequencies to Licensee Control – RITSTF [Risk Informed Technical Specification Task Force] Initiative 5b." Additionally, the change would add a new program, the Surveillance Frequency Control Program, to TS Section 6, "Administrative Controls."

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this license 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 TSs) 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 the information delineated in the enclosure to this letter is necessary to enable the staff to 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.

B. Waldrep

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In order to make the application complete, the NRC staff requests that Duke Energy supplement the application to address the information requested in the enclosure by September 30, 2015. This will enable the NRC staff to begin its detailed technical review. If the information responsive to the NRC staff's request is not received by the above date, the application will not be accepted for review pursuant to 10 CFR 2.101, and the NRC will cease its review activities associated with the application. If the application is subsequently accepted for review, you will be advised of any further information needed to support the staff's detailed technical review by separate correspondence.

The information requested and the associated timeframe in this letter were discussed in a conference call with Mr. John Caves on September 16, 2015.

If you have any questions, please contact me at (301) 415-2760 or Martha.Barillas@nrc.gov.

Sincerely,



Martha Barillas, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:
Supplemental Information Needed

cc w/enclosure: Distribution via Listserv

SUPPLEMENTAL INFORMATION NEEDED

LICENSE AMENDMENT REQUEST

DUKE ENERGY PROGRESS, INC.

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

DOCKET NO. 50-400

Background

By letter dated August 18, 2015 (Agencywide Documents Access and Management System Accession No. ML15236A265), Duke Energy Progress, Inc. requested an amendment to the Technical Specifications (TSs) of Renewed Facility Operating License No. NPF-63 for Shearon Harris Nuclear Power Plant (HNP), Unit 1. The proposed amendment would revise the TSs by relocating specific surveillance frequencies to a licensee-controlled program with the adoption of Technical Specification Task Force Traveler-425, Revision 3, "Relocate Surveillance Frequencies to Licensee Control – RITSTF [Risk Informed Technical Specification Task Force] Initiative 5b." Additionally, the change would add a new program, the Surveillance Frequency Control Program, to TS Section 6, "Administrative Controls."

Insufficiencies

The license amendment request (LAR) states that the HNP, Unit 1, internal events probabilistic risk assessment (PRA), "meets the requirements of the American Society of Mechanical Engineers/American Nuclear Society standard as endorsed by Regulatory Guide (RG) 1.200, Revision 2, "An Approach for Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed Activities," at an appropriate capability category to support the HNP Surveillance Frequency Control Program. Based on the list of peer reviews included in Section 4.1 of Enclosure 2 to the LAR, the most recent peer review of the internal events, not including internal flooding, PRA was performed in 2007 against RG 1.200, Revision 1.

- a. Provide the facts and observations (F&Os) from the peer reviews and gap assessments of the internal events PRA which are open, not met, or met at capability category I, and explanation of how the F&Os were dispositioned for this application.
- b. Provide an overview of the changes in the internal events PRA that occurred after the 2007 peer review, and clarify whether any of these changes qualify as a PRA upgrade that would require a focused scope peer review.

B. Waldrep

- 2 -

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Sincerely,

/RA/

Martha Barillas, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:
Supplemental Information Needed

cc w/enclosure: Distribution via Listserv

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ADAMS Accession No.: ML15259A435

***via e-mail**

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