



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

March 31, 2016

Mr. Steven D. Capps  
Vice President  
McGuire Nuclear Station  
Duke Energy Carolinas, LLC  
12700 Hagers Ferry Road  
Huntersville, NC 28078

SUBJECT: MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 AND CATAWBA NUCLEAR STATION, UNITS 1 AND 2 – ACCEPTANCE REVIEW RESULTS OF REQUESTED LICENSING ACTION RE: LICENSE AMENDMENT REQUEST FOR CONTROL ROOM CHILLED WATER SYSTEM TECHNICAL SPECIFICATIONS (TAC NOS. MF7224, MF7225, MF7226, AND MF7227)

Dear Mr. Capps:

By letter dated January 7, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16029A077), Duke Energy Carolinas, LLC (Duke or the licensee), submitted a license amendment request for McGuire Nuclear Station, Units 1 and 2 (MNS 1 and 2) and Catawba Nuclear Station, Units 1 and 2 (CNS 1 and 2). The proposed amendment would modify the Control Room Area Chilled Water System Technical Specifications to allow a finite time to address a loss of both trains provided Control Room temperature remains below 90°F. The purpose of this letter 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 was 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 technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. 10 CFR 50.34 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.

By letter dated March 16, 2016 (ADAMS Accession No. ML16081A135), and in response to NRC letter dated March 1, 2016 (ADAMS Accession No. ML16055A333), Duke provided supplemental information to this license amendment request.

The NRC staff has reviewed your application and supplemental information and concluded that it does not provide technical information in sufficient detail to enable the NRC staff to complete its detailed 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. Specifically, the application and supplement did not provide a quantitative justification for the proposed Condition B actions to verify the control room

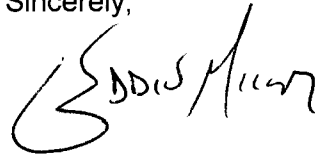
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temperature remains below 90°F every four hours. If you reapply for this amendment, the NRC staff requests that you include a more detailed justification that addresses the potential for heat-up of the control room before the initial surveillance and in between subsequent surveillances. The justification should provide a basis for the heat-up rate of the control room when both trains are inoperable (which can be demonstrated via modeling or be derived from empirical data from previous operating experience). The application should also address any limitations on the initial control room temperature that, using this heat-up rate could cause the 90°F limit to be reached in the control room or cause equipment operating temperatures to exceed limits prior to the performance of the next surveillance.

The NRC staff notes that your response to the other questions from the March 1, 2016 request (i.e., Questions 1 and 3) was sufficient and should be included in any subsequent requests for this amendment.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Edward Miller". The signature is fluid and cursive, with the first letter "G" being particularly large and stylized.

G. Edward Miller, Project Manager  
Plant Licensing Branch 2-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-369, 50-370, 50-413, and 50-414

Enclosure:  
As stated

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- 2 -

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Sincerely,

*/RA/*

G. Edward Miller, Project Manager

Plant Licensing Branch 2-1

Division of Operating Reactor Licensing

Office of Nuclear Reactor Regulation

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**ADAMS Accession No.: ML16085A099**

**\*Via E-mail**

OFFICE	NRR/DORL/LPL2-1/PM	NRR/DORL/LPL2-1/LA	NRR/DSS/STSB/BC(A)
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DATE	3/30/2016	3/28/2016	3/30/2016
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NAME	RDennig	SWeerakkody*	MMarkley
DATE	3/30/2016	3/29/2016	3/31/2016

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