



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

December 9, 2015

Mr. Steven D. Capps
Vice President
McGuire Nuclear Station
Duke Energy Carolinas, LLC
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

SUBJECT: MCGUIRE NUCLEAR STATION, UNITS 1 AND 2: REQUEST FOR
ADDITIONAL INFORMATION REGARDING REQUEST FOR EXEMPTION
FROM TITLE 10 OF THE CODE OF FEDERAL REGULATIONS (10 CFR)
PART 74.19(C) (CAC NOS. MF6693 AND MF6694)

Dear Mr. Capps:

By letter dated August 17, 2015, as supplemented by letter dated October 6, 2015, Duke Energy Carolinas, LLC (Duke), submitted a letter requesting an exemption from 10 CFR Part 74.19(c) for the McGuire Nuclear Station, Units 1 and 2. The exemption would allow an alternative to the physical inventory requirements for movable incore detectors.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the licensee's submittal, and based on this review, determined that additional information is required to complete the assessment of the exemption. The enclosed document describes this request for additional information (RAI). The draft questions were sent to Kay Crane to ensure that they were understandable, the regulatory basis for the questions was clear, and to determine if the information was previously docketed. Please respond to the enclosure within 60 days of the date of this letter.

If you have any questions, please call me at 301-415-2481 or by e-mail at Ed.Miller@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Edward Miller".

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

Docket Nos. 50-369 and 50-370

Enclosure: As stated

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION
OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO REQUEST FOR EXEMPTION FROM
TITLE 10 OF THE CODE OF FEDERAL REGULATIONS PART 74.19(C)
DUKE ENERGY CAROLINAS, LLC
MCGUIRE NUCLEAR STATION, UNITS 1 AND 2
DOCKET NOS. 50-369 AND 50-370

By letter dated August 17, 2015, as supplemented by letter dated October 6, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession Nos ML15239B240 and ML15300A282, respectively)¹, Duke Energy Carolinas, LLC (Duke), requested the U.S. Nuclear Regulatory Commission (NRC) to authorize exemption from the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 74.19(c) for the McGuire Nuclear Station, Units 1 and 2. The exemption would allow an alternative to the physical inventory requirements for movable incore detectors.

The regulations in 10 CFR 74.19 specify recordkeeping requirements applicable to special nuclear material (SNM). In addition, the regulatory requirement in 10 CFR 74.19(c) stipulates that the licensee must conduct a physical inventory of all SNM in its possession under license at intervals not to exceed 12 months. The NRC staff has reviewed the request and has determined that the following additional information is necessary to enable the NRC staff to make an independent assessment regarding its technical review.

RAI 1

Provide a completion date for modifications to the incore storage sleeves to make the incore detectors within the storage sleeves inaccessible.

RAI 2

Provide an implementation date for modifications to ensure the incore detectors meet the requirements of inaccessibility.

RAI 3

Provide administrative procedures and controls to be established so that verification of the storage pipes shall be performed during refueling outages and that records concerning the location and unique identity of incore detectors are accurate

RAI 4

Confirm that the acronym "2EOC23" used in the exemption request means Unit 2, end of cycle 23 and the acronym "1EOC24" means Unit 1, end of cycle 24.

¹ These documents are non-public because they contain security related information.

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/RAI

G. Edward Miller, Project Manager
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NRR-004

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