



Steven D. Capps  
Vice President  
McGuire Nuclear Station

Duke Energy  
MG01VP | 12700 Hagers Ferry Road  
Huntersville, NC 28078

o: 980.875.4805  
f: 980.875.4809  
Steven.Capps@duke-energy.com

September 26, 2013

10 CFR 50.90

U.S. Nuclear Regulatory Commission (NRC)  
Attention: Document Control Desk  
Washington, D.C. 20555

Subject: Duke Energy Carolinas, LLC (Duke Energy)  
McGuire Nuclear Station, Units 1 and 2  
Docket Numbers 50-369 and 50-370  
License Amendment Request (LAR) to Adopt National Fire Protection  
Association (NFPA) 805 Performance-Based Standard for Fire Protection  
for Light-Water Reactor Generating Plants

In accordance with 10 CFR 50.90, Duke Energy proposes to amend Renewed Facility Operating Licenses (FOLs) Numbers NPF-9 and NPF-17. This LAR requests NRC review and approval for adoption of a new fire protection licensing basis which complies with the requirements in 10 CFR 50.48(a), 10 CFR 50.48(c), and the guidance in Regulatory Guide (RG) 1.205, "Risk-Informed, Performance-Based Fire Protection for Existing Light-Water Nuclear Power Plants", Revision 1, dated December 2009. This LAR was developed in accordance with the guidance contained in Nuclear Energy Institute (NEI) 04-02, "Guidance for Implementing a Risk-Informed, Performance-Based Fire Protection Program Under 10 CFR 50.48(c)", Revision 2.

The transition to NFPA 805 includes the following high level activities: a new fire safe shutdown analysis, a new fire Probabilistic Risk Analysis (PRA), and completion of activities required to transition the McGuire licensing basis to 10 CFR 50.48(c).

The enclosure to this letter contains the McGuire Transition Report and its supporting attachments. The Transition Report provides the required technical and regulatory assessments to enable the NRC to review the proposed new fire protection licensing basis for McGuire.

Implementation of the NFPA 805 fire protection program will occur by July 31, 2016.

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Required changes to the McGuire Updated Final Safety Analysis Report (UFSAR) resulting from this LAR will be submitted in accordance with 10 CFR 50.71(e), with approved exemptions.

In accordance with Duke Energy administrative procedures and the Duke Energy Quality Assurance Program Topical Report, this LAR has been reviewed and approved by the McGuire Plant Operations Review Committee (PORC).

This LAR contains regulatory commitments as indicated in Attachment S of the enclosure. Implementation of the committed modifications/maintenance activities will be as specified in Table S-2 of Attachment S of the enclosure.

Pursuant to 10 CFR 50.91, a copy of this LAR is being sent to the appropriate State of North Carolina official.

Inquiries on this matter should be directed to J. N. Robertson at (980) 875-4499.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on September 26, 2013.

Sincerely,

A handwritten signature in black ink, appearing to read "S.D. Capps", written in a cursive style.

Steven D. Capps

Enclosure

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xc (with enclosure – CD only):

V.M. McCree  
Regional Administrator  
U.S. Nuclear Regulatory Commission - Region II  
Marquis One Tower  
245 Peachtree Center Ave., NE Suite 1200  
Atlanta, GA 30303-1257

J. Zeiler  
Senior Resident Inspector (McGuire)  
U.S. Nuclear Regulatory Commission  
McGuire Nuclear Station

J.C. Paige (addressee only)  
NRC Project Manager (McGuire)  
U.S. Nuclear Regulatory Commission  
One White Flint North, Mail Stop 8 G9A  
11555 Rockville Pike  
Rockville, MD 20852-2738

W.L. Cox III, Section Chief  
North Carolina Department of Environment and Natural Resources  
Division of Environmental Health  
Radiation Protection Section  
1645 Mail Service Center  
Raleigh, NC 27699-1645