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10 CFR 50.4

August 27, 2014
Serial: MNS-14-067

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Duke Energy Carolina, LLC (Duke Energy)
McGuire Nuclear Station (MNS), Units 1 and 2
Docket Numbers 50-369, 50-370
Renewed License Numbers NPF-9 and NPF-17

Subject: Third Six-Month Status Reports in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)

References:

1. NRC Order Number EA-12-051, Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation, dated March 12, 2012, Agencywide Documents Access and Management System (ADAMS) Accession No. ML12054A679.
2. NRC Interim Staff Guidance JLD-ISG-2012-03, Compliance with Order EA-12-051, Reliable Spent Fuel Pool Instrumentation, Revision 0, dated August 29, 2012, ADAMS Accession No. ML12221A339.
3. NEI 12-02, Industry Guidance for Compliance with NRC Order EA-12-051, "To Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation", Revision 1, dated August 2012, ADAMS Accession No. ML12240A307.
4. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy) Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), dated October 29, 2012, ADAMS Accession No. ML12307A022.
5. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy) Overall Integrated Plans in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), dated February 28, 2013, ADAMS Accession No. ML13086A095.
6. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy), First Six-month Status Reports in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), Dated August 26, 2013, ADAMS Accession No. ML13242A009.

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United States Nuclear Regulatory Commission

August 27, 2014

Page 2

7. McGuire Nuclear Station, Units 1 and 2 -Interim Staff Evaluation and Request for Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel Pool Instrumentation, dated October 28, 2013, ADAMS Accession No. ML13281A791.
8. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy), Second Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), Dated February 27, 2014, ADAMS Accession No. ML14073A467.

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051 (Reference 1) to Duke Energy. Reference 1 was immediately effective and directs Duke Energy to have a reliable indication of water level in associated spent fuel storage pools. Specific requirements are outlined in Attachment 2 of Reference 1.

Reference 1 required submission of an initial status report 60 days following issuance of the final interim staff guidance (Reference 2) and an Overall Integrated Plan (OIP) pursuant to Section IV, Condition C. Reference 2 endorses industry guidance document NEI 12-02, Revision 1 (Reference 3) with clarifications and exceptions identified in Reference 2. Reference 4 provided the Duke Energy initial status report regarding spent fuel pool instrumentation. Reference 5 provided the Duke Energy OIP.

Reference 1 required submission of a status report at six-month intervals following submittal of the OIP. Reference 3 provides direction regarding the content of the status reports. References 6 and 8 provided the first and second six-month status reports, respectively for MNS. Enclosure 1 provides the third six-month status report pursuant to Section IV, Condition C.2, of Reference 1. Enclosure 1 delineates progress made in implementing the requirements of Reference 1 including an update of milestone accomplishments since the last status report, any changes to the compliance method, schedule, or need for relief and the basis, if any.

This letter contains no new Regulatory Commitments and no revision to existing Regulatory Commitments.

Should you have any questions regarding this submittal, please contact George Murphy, at 980-875-5715.

I declare under penalty of perjury that the foregoing is true and correct. Executed on August 27, 2014.

Sincerely,



Steven D Capps

United States Nuclear Regulatory Commission

August 27, 2014

Page 3

Enclosure:

1. Third Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051).

United States Nuclear Regulatory Commission

August 27, 2014

Page 4

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ENCLOSURE 1

MNS Third Six-Month Status Report in Response to March 12, 2012,
Commission Order Modifying Licenses with Regard to Reliable Spent
Fuel Pool Instrumentation (Order Number EA-12-051).

1. Introduction

McGuire Nuclear Station (MNS) developed an Overall Integrated Plan (Reference 1 in Section 7 of this Enclosure) documenting the requirements to install reliable spent fuel pool level instrumentation in response to NRC Order EA-12-051. References 2 and 3 in Section 7 of this Enclosure provided the first and second six-month status reports, respectively for MNS. This Enclosure provides an update of milestone accomplishments since submittal of the second six-month update, including any changes to the compliance method, schedule, or need for relief/relaxation and the basis, if any that occurred during the period from January 31, 2014 to July 28, 2014 (hereafter referred to as "the update period").

2. Milestone Accomplishments

No new milestones were completed during the update period.

3. Milestone Schedule Status

There are no changes to the schedule as reported in Reference 1 of Section 7 of this Enclosure.

4. Changes to Compliance Method

No changes were made during the update period.

5. Need for Relief/Relaxation and Basis for the Relief/Relaxation

MNS expects to comply with the order implementation date and no relief/relaxation is required at this time.

6. Open Items from Overall Integrated Plan and Interim Staff Evaluation

The Interim Staff Evaluation received (Reference 4 and 5 in Section 7 of this Enclosure) included a Request for Additional Information (RAI). The responses to the RAI were provided via Reference 3 in Section 7 of this Enclosure. Items from the NRC's audit of the vendor supplying the MNS spent fuel pool instrumentation have been placed on the MNS E Portal.

7. References

The following references support the updates to the Overall Integrated Plan described in this enclosure.

1. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy) Overall Integrated Plans in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), dated February 28, 2013, Agency wide Documents Access and Management System (ADAMS) No. ML13086A095.
2. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy), First Six-month Status Reports in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), Dated August 26, 2013, ADAMS Accession No. ML13242A009.
3. Duke Energy Letter, Duke Energy Carolinas, LLC, (Duke Energy), Second Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), Dated February 27, 2014, ADAMS Accession No. ML14073A467.
4. McGuire Nuclear Station, Units 1 and 2 -Interim Staff Evaluation and Request for Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel Pool Instrumentation, dated October 28, 2013, ADAMS Accession No. ML13281A791.
5. McGuire Nuclear Station, Units 1 and 2 – Correction Letter to Interim Staff Evaluation and Request for Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel Pool Instrumentation (TAC NOS. MF1062 and MF1063), dated December 20, 2013, ADAMS Accession No. ML13353A142.