



Benjamin C Waldrep
526 South Church Street
Charlotte, NC 28202

Mailing Address:
P.O. Box 1006 – EC07H
Charlotte, NC 28201-1006

Office: 704 382 8162
Fax: 704 382 6056

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10CFR50.4

ATTN: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Duke Energy Carolinas, LLC (Duke Energy)

Catawba Nuclear Station (CNS), Units 1 and 2
Docket Nos. 50-413 and 50-414
Renewed License Nos. NPF-35 and NPF-52

McGuire Nuclear Station (MNS), Units 1 and 2
Docket Nos. 50-369 and 50-370
Renewed License Nos. NPF-9 and NPF-17

Oconee Nuclear Station (ONS), Units 1, 2, and 3
Docket Nos. 50-269, 50-270, and 50-287
Renewed License Nos. DPR-38, DPR-47, and DPR-55

Subject: 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)

References:

1. NRC Order Number EA-12-051, *Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation*, dated March 12, 2012, 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

ADD
LRL

Ladies and Gentlemen:

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051 (i.e., 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 (i.e., Reference 2) and an overall integrated plan pursuant to Section IV, Condition C. Reference 2 endorses industry guidance document NEI 12-02, Revision 1 (i.e., 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 overall integrated plan.

Reference 1 requires submission of a status report at six-month intervals following submittal of the overall integrated plan. Reference 3 provides direction regarding the content of the status reports. The purpose of this letter is to provide the first six-month status report pursuant to Section IV, Condition C.2, of Reference 1, that delineates progress made in implementing the requirements of Reference 1. Duke Energy is providing status reports for the plants listed above as enclosures to this letter.

The enclosed reports provide an update of milestone accomplishments since the last status report, including any changes to the compliance method, schedule, or need for relief and the basis, if any.

This letter contains no new regulatory commitments. If you have any questions regarding this report, please contact Jeff Thomas, Fukushima Response Support Manager, at 704 382-3438.

I declare under penalty of perjury that the foregoing is true and correct. Executed on August 26, 2013.

Sincerely,



Benjamin C. Waldrep
Vice President-Corporate Governance &
Operation Support

Enclosures:

Enclosure 1 First Six Month Status Report (Order EA-12-051), Catawba Nuclear Station (CNS), Unit Nos. 1 and 2, Docket Nos. 50-413 and 50-414, Renewed License Nos. NPF-35 and NPF-52

Enclosure 2 First Six-Month Status Report (Order Number EA-12-051) McGuire Nuclear Station (MNS), Unit Nos. 1 and 2, Docket Nos. 50-369 and 50-370, Renewed License Nos. NPF-9 and NPF-17

Enclosure 3 First Six-Month Status Report (Order Number EA-12-051) Oconee Nuclear Station, Unit Nos. 1, 2, and 3 Docket No. 50-269, 50-270, and 50-287, Renewed License Nos. DPR-38, DPR-47, and DPR-55

xc (with enclosures):

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

J. C. Paige, Project Manager (CNS & MNS)
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Mail Stop 8 G9A
Rockville, MD 20852-2738

R. V. Guzman, Project Manager (ONS)
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Mail Stop 8 C2
Rockville, MD 20852-2738

E. L. Crowe
NRC Senior Resident Inspector
Oconee Nuclear Station

J. Zeiler
NRC Senior Resident Inspector
McGuire Nuclear Station

G. A. Hutto
NRC Senior Resident Inspector
Catawba Nuclear Station

J Folkwein
American Nuclear Insurers
95 Glastonbury Blvd., Suite 300
Glastonbury, CT 06033-4453

ENCLOSURE 1

**FIRST SIX MONTH STATUS REPORT (ORDER EA-12-051)
CATAWBA NUCLEAR STATION (CNS), UNIT NOS. 1 AND 2
DOCKET NOS. 50-413 AND 50-414
RENEWED LICENSE NOS. NPF-35 AND NPF-52**

FIRST SIX MONTH STATUS REPORT (ORDER EA-12-051)

CATAWBA NUCLEAR STATION (CNS)

Duke Energy developed an Overall Integrated Plan (OIP) for the CNS (i.e., Reference 1 of this enclosure), documenting a description of how compliance with the requirements in Order EA-12-051 (i.e., Reference 2 of this enclosure) would be achieved. The OIP was submitted to the NRC on February 28, 2013. This enclosure provides a status update regarding achieving compliance with Order EA-12-051.

Reference 5 this enclosure outlined the conceptual designs for the “primary” and “back-up” Spent Fuel Pool (SFP) level channels. The detailed design work has not yet started.

Duke Energy provided a partial response (i.e., Reference 5 of this enclosure) to an NRC Request for Additional Information (RAI) (i.e., Reference 4 of this enclosure) on July 23, 2013. Additional responses will be provided in future six-month updates as specified in the partial RAI response (i.e., Reference 5 of this enclosure) once the needed details become available.

There are no changes to the compliance method as described in the OIP.

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

References:

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, ADAMS Accession No. ML13086A095
2. NRC Order Number EA-12-051, *Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation*, dated March 12, 2012, ADAMS Accession No. ML12054A679
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. NRC Letter, *Catawba Nuclear Station, Units 1 and 2- Request For Additional Information Re: Overall Integrated Plan in Response to Order EA-12-051, "Reliable Spent Fuel Pool Instrumentation" (TAC Nos. MF1060 and MF1061)*, dated June 24, 2013, ADAMS Accession No. ML13171A274
5. Duke Energy Letter, *Response to Request for Additional Information Regarding Overall Integrated Plan in Response to Order EA-12-051 "Reliable Spent Fuel Pool Instrumentation,"* dated July 23, 2013, ADAMS Accession No. ML13206A384

ENCLOSURE 2

FIRST SIX MONTH STATUS REPORT (ORDER EA-12-051)

MCGUIRE NUCLEAR STATION (MNS), UNIT NOS. 1 AND 2

DOCKET NOS. 50-369 AND 50-370

RENEWED LICENSE NOS. NPF-9 AND NPF-17

ENCLOSURE 2

FIRST SIX MONTH STATUS REPORT (ORDER EA-12-051)

MCGUIRE NUCLEAR STATION (MNS)

Duke Energy developed an Overall Integrated Plan (OIP) for the MNS (i.e., Reference 1 of this enclosure), documenting a description of how compliance with the requirements in Order EA-12-051 (i.e., Reference 2 of this enclosure) would be achieved. The OIP was submitted to the NRC on February 28, 2013. This enclosure provides a status update regarding achieving compliance with Order EA-12-051.

Reference 5 of this enclosure outlined the conceptual designs for the "primary" and "back-up" Spent Fuel Pool (SFP) level channels. The detailed design of the SFP level channels is underway.

Duke Energy provided the response (i.e., Reference 5 of this enclosure) to an NRC Request for Additional Information (RAI) (i.e., Reference 4 of this enclosure) on July 11, 2013.

There are no changes to the compliance method as described in the OIP and Reference 5 of this enclosure.

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

References:

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, ADAMS Accession No. ML13086A095
2. NRC Order Number EA-12-051, *Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation*, dated March 12, 2012, ADAMS Accession No. ML12054A679
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. NRC Letter, McGuire Nuclear Station, *Units 1 and 2- Request For Additional Information Re: Overall Integrated Plan in Response to Order EA-12-051, "Reliable Spent Fuel Pool Instrumentation" (TAC Nos. MF1062 and MF1063)*, dated June 13, 2013, ADAMS Accession No. ML13157A097
5. Duke Energy Letter, *Response to Request for Additional Information Regarding Overall Integrated Plan Response to Order EA-12-051 "Reliable Spent Fuel Pool Instrumentation,"* dated July 11, 2013, ADAMS Accession No. ML13197A409

ENCLOSURE 3

**FIRST SIX MONTH STATUS REPORT (ORDER EA-12-051)
OCONEE NUCLEAR STATION (ONS), UNIT NOS. 1, 2, AND 3
DOCKET NOS. 50-269, 50-270, AND 50-287
RENEWED LICENSE NOS. DPR-38, DPR-47, AND DPR-55**

OCONEE NUCLEAR STATION (ONS)

Duke Energy developed an Overall Integrated Plan (OIP) for the ONS (i.e., Reference 1 of this enclosure), documenting a description of how compliance with the requirements in Order EA-12-051 (i.e., Reference 2 of this enclosure) would be achieved. The OIP was submitted to the NRC on February 28, 2013. This enclosure provides a status update regarding achieving compliance with Order EA-12-051.

Reference 5 of this enclosure outlined the conceptual designs for the "primary" and "back-up" Spent Fuel Pool (SFP) level channels. The detailed design work has not yet started.

Duke Energy provided a partial response (i.e., Reference 5 of this enclosure) to an NRC Request for Additional Information (RAI) (i.e., Reference 4 of this enclosure) on July 19, 2013. Additional responses will be provided in future six-month updates as specified in the partial RAI response (i.e., Reference 5 of this enclosure) once the needed details become available.

There are no changes to the compliance method as described in the OIP.

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

References:

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, ADAMS Accession No. ML13086A095
2. NRC Order Number EA-12-051, *Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation*, dated March 12, 2012, ADAMS Accession No. ML12054A679
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. NRC Letter, *Oconee Nuclear Station, Units 1, 2, and 3- Request For Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC Nos. MF0785, MF0786, and MF0787)*, dated June 21, 2013, ADAMS Accession No. ML13171A301
5. Duke Energy Letter, *Response to Request for Additional Information Concerning Oconee Nuclear Station's Overall Integrated Plan With Regard to Requirements for Spent Fuel Pool Instrumentation*, dated July 19, 2013, ADAMS Accession No. ML13207A413