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Serial: RA-13-016
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ATTN: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Duke Energy Progress, Inc., formerly known as Carolina Power & Light Company

Brunswick Steam Electric Plant, Unit Nos. 1 and 2
Docket Nos. 50-325 and 50-324
Renewed License Nos. DPR-71 and DPR-62

Shearon Harris Nuclear Power Plant, Unit No. 1
Docket No. 50-400
Renewed License No. NPF-63

H. B. Robinson Steam Electric Plant, Unit No. 2
Docket No. 50-261
Renewed License No. DPR-23

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, *Carolina Power & Light Company and Florida Power Corporation's 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. ML12307A020

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5. Duke Energy Letter, *Carolina Power & Light Company's 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. ML13086A096

Ladies and Gentlemen:

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051 (i.e., Reference 1) to Duke Energy Progress, Inc., formerly known as Carolina Power & Light Company. 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.

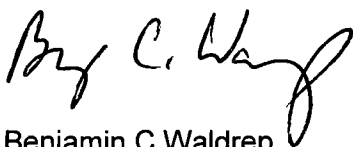
Reference 1 requires submission of a status report at six-month intervals following submittal of the overall integrated plan. Reference 3 provides direction regarding the content of the status reports. The purpose of this letter is to provide the first six-month status report pursuant to Section IV, 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

United States Nuclear Regulatory Commission

Serial: RA-13-016

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Enclosures:

Enclosure 1 First Six-Month Status Report (Order EA-12-051), Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2, Docket Nos. 50-325 and 50-324, Renewed License Nos. DPR-71 and DPR-62

Enclosure 2 First Six-Month Status Report (Order Number EA-12-051), Shearon Harris Nuclear Power Plant (SHNPP), Unit No. 1, Docket No.50-400, Renewed License No. NPF-63

Enclosure 3 First Six-Month Status Report (Order Number EA-12-051), H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2, Docket No.50-261, Renewed License No. DPR-23

xc:

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ENCLOSURE 1

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

BRUNSWICK STEAM ELECTRIC PLANT (BSEP), UNIT NOS. 1 AND 2

DOCKET NOS. 50-325 AND 50-324

RENEWED LICENSE NOS. DPR-71 AND DPR-62

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

BRUNSWICK STEAM ELECTRIC PLANT (BSEP)

Duke Energy Progress, Inc., formerly known as Carolina Power & Light Company, developed an Overall Integrated Plan (OIP) for the BSEP, Unit Nos. 1 and 2 (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.

References 1 and 5 of this enclosure outlined the conceptual designs for the 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 22, 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.

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

References:

1. Duke Energy Letter, *Carolina Power & Light Company's 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. ML13086A096
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, *Brunswick Steam Electric Plant, Units 1 and 2- Request for Additional Information Regarding Overall Integrated Plan in Response to Commission Order Modifying Licenses With Regard Spent Fuel Pool Instrumentation (Order Number EA-12-051)* (TAC Nos. ME9623 and ME9624), dated May 23, 2013, ADAMS Accession No. ML13141A622
5. Duke Energy Letter, *Response to Request for Additional Information Regarding Overall Integrated Plan Submitted in Response to Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order EA-12-051)*, dated July 22, 2013, ADAMS Accession No. ML13219B117

ENCLOSURE 2

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

SHEARON HARRIS NUCLEAR POWER PLANT (SHNPP), UNIT NO. 1

DOCKET NOS. 50-400

RENEWED LICENSE NOS. NPF-63

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

SHEARON HARRIS NUCLEAR POWER PLANT (SHNPP)

Duke Energy Progress, Inc., formerly known as Carolina Power & Light Company, developed an Overall Integrated Plan (OIP) for the SHNPP (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.

References 1 and 5 of this enclosure outlined the conceptual designs for the 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 August 12, 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.

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

References:

1. Duke Energy Letter, *Carolina Power & Light Company's 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. ML13086A096
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, *Shearon Harris Nuclear Power Plant, Unit No. 1- Request For Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC No. MF0792)*, dated July 11, 2013, ADAMS Accession No. ML13189A225
5. Duke Energy Letter, *Response to Request for Additional Information Regarding Overall Integrated Plan Submitted in Response to the Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)*, dated August 12, 2013, ADAMS Accession No. ML13225A494

ENCLOSURE 3

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

H. B. ROBINSON STEAM ELECTIC PLANT (HBRSEP), UNIT NO. 2

DOCKET NOS. 50-261

RENEWED LICENSE NO. DPR-23

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

H. B. ROBINSON STEAM ELECTIC PLANT (HBRSEP)

Duke Energy Progress, Inc., formerly known as Carolina Power & Light Company, developed an Overall Integrated Plan for the HBRSEP (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.

References 1 and 5 of this enclosure outlined the conceptual designs for the 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 August 8, 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.

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

References:

1. Duke Energy Letter, *Carolina Power & Light Company's 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. ML13086A096
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, *H. B. Robinson Steam Electric Plant, Unit No. 2 - Request For Additional Information Regarding Overall Integrated Plan in Response to Commission Order Modifying Licenses With Regards to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC No. MF0793)*, dated July 11, 2013, ADAMS Accession No. ML13189A056
5. Duke Energy Letter, *Response to NRC Request for Additional Information Regarding Overall Integrated Plan Submitted in Response to the Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)* dated August 8, 2013