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10 CFR 50.4

October 29, 2012  
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U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2  
Docket Nos. 50-325, 50-324  
Carolina Power & Light Company's Initial Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Hardened Containment Vents (Order Number EA-12-050)

References:

1. NRC Order Number EA-12-050, *Order Modifying Licenses with Regard to Reliable Hardened Containment Vents*, dated March 12, 2012
2. NRC Interim Staff Guidance JLD-ISG-2012-02, *Compliance with Order EA-12-050, Reliable Hardened Containment Vents*, Revision 0, dated August 29, 2012

On March 12, 2012, the Nuclear Regulatory Commission ("NRC" or "Commission") issued an order (Reference 1) to Carolina Power & Light Company (CP&L). Reference 1 was immediately effective and directs CP&L to have a reliable hardened vent (RHV) to remove decay heat and maintain control of containment pressure within acceptable limits following events that result in the loss of active containment heat removal capability or prolonged station blackout (SBO). Specific requirements are outlined in Attachment 2 of Reference 1.

Reference 1 requires submission of an initial status report 60 days following issuance of the final interim staff guidance. The final interim staff guidance (Reference 2) was issued August 30, 2012. The purpose of this letter is to provide the initial status report pursuant to Section IV, Condition C.2, of Reference 1 within 60 days following issuance of Reference 2. This report confirms CP&L has received Reference 2 and is in the process of evaluating the guidance for the purpose of having a RHV to remove decay heat and maintain control of containment pressure within acceptable limits following events that result in the loss of active containment heat removal capability or prolonged SBO as described in Attachment 2 of Reference 1.

Reference 2, Section 4.0 contains the specific reporting requirements for the initial status report. The following information provides the status pursuant to Section 4.0 of Reference 2.

Major activities during this reporting period:

- Resources are being identified and project plans initiated, including development of milestones, to assure compliance with Reference 1.

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- Preliminary design activities are underway to modify the existing hardened wetwell vent system to comply with the requirements and guidance provided in References 1 and 2.
- Also, a hardened drywell vent system is being designed to comply with the requirements and guidance provided in References 1 and 2.

Planned activities for the next six months:

- Development and submittal of the overall integrated plan.
- Continue project design activities to modify the reliable hardened wetwell vent system and develop a reliable hardened drywell vent system to comply with the requirements and guidance provided in References 1 and 2.

Technical difficulties encountered that could affect the ability to provide the licensee's February 28, 2013, submittal:

- None at this time.

Project milestones schedule through completion of installation and testing:

- Project milestone schedules will be provided with the overall integrated plans.
- Implementation of the order will be completed for Brunswick Steam Electric Plant, Unit No. 2 prior to startup from Refueling Outage (RFO) B222 (Spring 2015).
- Implementation of the order will be completed for Brunswick Steam Electric Plant, Unit No. 1 prior to startup from RFO B121 (Spring 2016).

This letter contains no new regulatory commitments.

Please refer any questions regarding this submittal to Mr. Lee Grzeck, Manager – Regulatory Affairs, at (910) 457-2487.

I declare, under penalty of perjury, that the foregoing is true and correct. Executed on October 29, 2012.

Sincerely,



Michael J. Annacone

DBM/wrm

cc:

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