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August 27, 2013

Docket Nos.: 50-424  
50-425

NL-13-1767

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

Vogtle Electric Generating Plant – Units 1 and 2  
First Six-Month Status Report of the Implementation of the  
Requirements of the Commission Order with Regard to  
Reliable Spent Fuel Pool Instrumentation (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
2. NRC Interim Staff Guidance JLD-ISG-2012-03, Compliance with Order EA-12-051, Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation, Revision 0, dated August 29, 2012
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
4. Vogtle Electric Generating Plant – Units 1 and 2 Initial Status Report in Response to Commission Order with Regard to Reliable Spent Fuel Pool Instrumentation (EA-12-051), dated October 23, 2012
5. Vogtle Electric Generating Plant – Units 1 and 2 Overall Integrated Plan in Response to Commission Order with Regard to Reliable Spent Fuel Pool Instrumentation (EA-12-051), dated February 27, 2013

Ladies and Gentlemen:

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued an order (Reference 1) to Southern Nuclear Operating Company. Reference 1 was immediately effective and directs the Vogtle Electric Generating Plant – Units 1 and 2 (VEGP) to install reliable spent fuel pool instrumentation. Specific requirements are outlined in Attachment 2 of Reference 1.

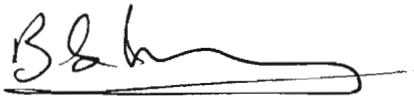
Reference 1 required submission of an initial status report 60 days following issuance of the final interim staff guidance (Reference 2) and an overall integrated plan pursuant to Section IV, Condition C.1.a of Reference 1. Reference 2 endorses industry guidance document NEI 12-02, Revision 1 (Reference 3) with clarifications and exceptions identified in Reference 2. Reference 4 provided the VEGP initial status report regarding spent fuel pool instrumentation strategies. Reference 5 provided the VEGP 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. The enclosed report provides 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 NRC commitments. If you have any questions, please contact John Giddens at 205.992.7924.

Mr. B. L. Ivey states he is a Vice President of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and, to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,



Mr. B. L. Ivey  
Vice President - Regulatory Affairs

BLI/CLN/lac

Sworn to and subscribed before me this 27<sup>th</sup> day of August, 2013.

Nancy Louise Henderson  
Notary Public

My commission expires: March 23, 2014

Enclosure: Vogtle Electric Generating Plant - Units 1 and 2  
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cc: Southern Nuclear Operating Company  
Mr. S. E. Kuczynski, Chairman, President & CEO  
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer  
Mr. T. E. Tynan, Vice President – Vogtle  
Mr. C. R. Pierce, Regulatory Affairs Director  
Mr. B. J. Adams, Vice President – Fleet Operations  
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Mr. E. Leeds, Director of the Office of Nuclear Reactor Regulations

Mr. V. M. McCree, Regional Administrator

Mr. R. E. Martin, NRR Senior Project Manager – Vogtle

Mr. L. M. Cain, Senior Resident Inspector – Vogtle

Mr. B. A. Purnell, NRR/JLD/PMB

Mr. S. R. Jones, NRR/DSS/SBPB

State of Georgia

Mr. J. H. Turner, Environmental Director Protection Division

**Vogtle Electric Generating Plant – Units 1 and 2  
First Six-Month Status Report of the Implementation of the  
Requirements of the Commission Order with Regard to  
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**Enclosure**

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**Vogtle Electric Generating Plant – Units 1 and 2**  
**First Six-Month Status Report of the Implementation of the**  
**Requirements of the Commission Order with Regard to**  
**Reliable Spent Fuel Pool Instrumentation (EA-12-051)**

**1 Introduction**

Vogtle Electric Generating Plant Units 1 and 2 developed an Overall Integrated Plan (Reference 1 of this enclosure), documenting the requirements to install reliable spent fuel pool (SFP) instrumentation, in response to Reference 2. This attachment provides an update of milestone accomplishments since submittal of the Overall Integrated Plan, including any changes to the compliance method, schedule, or need for relief/relaxation and the basis, if any.

**2 Milestone Accomplishments**

In addition to the submittal of status reports, the following milestone(s) directly related to SFP instrumentation implementation have been completed since the development of the Overall Integrated Plan (Reference 1 of this enclosure), and are current as of June 30, 2013:

- None

**3 Milestone Schedule Status**

The table on the following page provides an update to the milestone schedule to support the Overall Integrated Plan. This section provides the activity status of each item, and the expected completion date noting any change. The dates are planning dates subject to change as design and implementation details are developed.

Enclosure to NL-13-1767  
 First Six-Month Status Report of SFPI OIP Implementation

Target Completion Date	Milestone	Activity Status	Revised Target Completion Date
Oct 2012	Submit 60 Day Status Report	Complete	N/A
Feb 2013	Submit Overall Integrated Plan	Complete	N/A
Apr 2013	Unit 2 1st RFO	Complete	N/A
Jul 18, 2013	June 18, 2013 RAIs submittal due	Started	N/A
Aug 2013	Submit 6 Month Status Report	Complete (see Sec. 2)	N/A
Dec 2013	Develop Modifications Unit 2	Started	
Feb 2014	Submit 6 Month Status Report	Not Started	
Apr 2014	Unit 1 1st RFO	Not Started	
Apr 2014	Receipt of Unit 2 SFP Instrument Channel	Not Started	
Jun 2014	Develop Modifications Unit 1	Started	
3Q 2014	Complete Functional Test of Unit 2 SFP Instruments	Not Started	
Aug 2014	Submit 6 Month Status Report	Not Started	
Oct 2014	Unit 2 Implementation Complete (2nd RFO)*	Not Started	
Dec 2014	Receipt of Unit 1 SFP Instrument Channel	Not Started	
Feb 2015	Submit 6 Month Status Report	Not Started	
Aug 2015	Submit 6 Month Status Report	Not Started	
3Q 2015	Complete Functional Test of Unit 1 SFP Instruments	Not Started	
Oct 2015	Unit 1 Implementation Complete (2nd RFO)*	Not Started	
Dec 2015	Submit Completion Report	Not Started	

\*Full compliance after second listed refueling outage

#### 4 Changes to Compliance Method

There are no changes to the compliance method as documented in the Overall Integrated Plan (Reference 1 of this enclosure).

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

Vogtle Electric Generating Plant Units 1 and 2 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 Draft Safety Evaluation

- None

#### 7 Potential Draft Safety Evaluation Impacts

There are no potential impacts to the Draft Safety Evaluation identified at this time.

#### 8 References

The following references support the updates to the Overall Integrated Plan described in this attachment:

Enclosure to NL-13-1767

First Six-Month Status Report of SFPI OIP Implementation

1. Vogtle Electric Generating Plant Units 1 and 2 Overall Integrated Plan 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, 2013.
2. NRC Order Number EA-12-051, “Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation,” dated March 12, 2012.