

PSEG Nuclear LLC
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Order EA-12-051

LR-N14-0034

FEB 25 2014

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

Hope Creek Generating Station
Renewed Facility Operating License No. NPF-57
NRC Docket No. 50-354

Subject: PSEG Nuclear LLC's Second Six-Month Status Report for the Hope Creek Generating Station 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)

References:

1. NRC Order Number EA-12-051, "Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012
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
3. Nuclear Energy Institute (NEI) Report 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. PSEG Letter LR-N13-0019, "PSEG Nuclear LLC's Overall Integrated Plan for the Hope Creek Generating Station 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 27, 2013

5. PSEG Letter LR-N13-0174, PSEG Nuclear LLC's First Six-Month Status Report for the Hope Creek Generating Station 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 August 22, 2013
6. NRC Letter to PSEG, "Hope Creek Generating Station, Unit No. 1 – 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 NO. MF1031)," dated November 22, 2013

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued an Order (Reference 1) to PSEG Nuclear LLC (PSEG). Reference 1 was immediately effective and directed PSEG to install reliable spent fuel pool level instrumentation. Specific requirements are outlined in Attachment 2 of Reference 1. The purpose of this letter is to provide the second six-month status report which delineates progress made in implementing the requirements of the Order at the Hope Creek Generating Station (HCGS), pursuant to Condition IV.C.2 of Reference 1.

Reference 1 required submission of an Overall Integrated Plan (OIP) pursuant to Section IV.C. Reference 2 endorsed, with exceptions and clarifications, industry guidance document NEI 12-02, Revision 1 (Reference 3) as an acceptable means of meeting the requirements of Reference 1. Reference 4 provided the HCGS spent fuel pool level instrumentation OIP.

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; i.e., the reports should include any changes to the compliance method, schedule, and need for relief and the basis for relief, if applicable. Reference 5 provided the first six-month status report for HCGS. Enclosure 1 contains the second six-month status report for HCGS in accordance with the NRC-endorsed guidance of Reference 3, and reflects the schedule and status as of January 31, 2014. Enclosure 1 also includes open items associated with the NRC's Interim Staff Evaluation and Request for Additional Information (Reference 6). There are no changes in compliance method or issues requiring relief identified in Enclosure 1.

There are no regulatory commitments contained in this letter.

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If you have any questions or require additional information, please do not hesitate to contact Mrs. Emily Bauer at 856-339-1023.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 2-25-14
(Date)

Sincerely,



Paul J. Davison
Site Vice President
Hope Creek Generating Station

Enclosure 1 – Hope Creek Generating Station Second Six-Month Status Report for the Implementation of Order EA-12-051, Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation

cc: Mr. E. Leeds, Director of Office of Nuclear Reactor Regulation
Mr. W. Dean, Administrator, Region I, NRC
Mr. J. Hughey, Project Manager, NRC
NRC Senior Resident Inspector, Hope Creek
Mr. P. Mulligan, Manager IV, NJBNE
Hope Creek Commitment Tracking Coordinator
PSEG Corporate Commitment Coordinator

**Hope Creek Generating Station Second Six-Month Status Report for
the Implementation of Order EA-12-051, Order Modifying Licenses
with Regard to Requirements for Reliable Spent Fuel Pool
Instrumentation**

**Hope Creek Generating Station
PSEG Nuclear LLC**

1 Introduction

PSEG developed an Overall Integrated Plan (OIP) (Reference 1) for Hope Creek Generating Station (HCGS), documenting the requirements to install reliable spent fuel pool instrumentation (SFPI) in response to NRC Order EA-12-051 (Reference 2). In Reference 3, PSEG provided the first six-month status report associated with implementation of the OIP. Provided herein is the second six-month status report, for the period ending January 31, 2014. This status report follows the guidance in Appendix A to Nuclear Energy Institute (NEI) Report 12-02, Revision 1 (Reference 4), which states that the six-month status reports should include any changes to the compliance method, schedule, and the need for relief and the basis for relief, if applicable. Sections 2 and 3 of this status report include milestone accomplishments and milestone schedule status, respectively. There are no changes to compliance method (Section 4) or requests for relief (Section 5) associated with this report. OIP open items associated with the NRC Interim Staff Evaluation and Request for Additional Information (Reference 5) are addressed in Section 6.

2 Milestone Accomplishments

As of January 31, 2014, the following milestones have been completed since the development of the SFPI OIP (Reference 1).

- Submit Integrated Plan: PSEG submitted the SFPI OIP to the NRC (Reference 1).
- Issue SFPI Equipment Purchase Order: PSEG issued a material purchase order to the SFPI vendor.

3 Milestone Schedule Status

The following table provides an update of the milestone schedule provided in Section 3 of the HCGS SFPI OIP (Reference 1), as well as additional milestones (e.g., six-month status reports, procedures, training and a completion report) that have been included for completeness. The table provides the activity status of each item, and the expected completion date. The dates are planning dates subject to change as design and implementation details are developed.

Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Conceptual Design	Dec 2012	Complete	
Submit Overall Integrated Plan	Feb 2013	Complete	
Six-Month Status Updates	Aug 2013	Complete	
	Feb 2014	Complete	
	Aug 2014	Not Started	
	Feb 2015	Not Started	
	Aug 2015	Not Started	
Issue SFPI Equipment Purchase Order	2Q2013	Complete	
Design Change Package			
Complete Detailed Design	2Q2014	Started	
Begin Installation	3Q2014	Not Started	
Installation Complete, SFPI Channels Fully Functional	2Q2015	Not Started	
Implementation Outage	May 2015	Not Started	
Procedures			
Develop Procedures	Jan 2015	Not Started	
Issue Procedures	May 2015	Not Started	
Complete Training	May 2015	Not Started	
Submit Final Completion Report	Aug 2015	Not Started	

4 Changes to Compliance Method

There are no changes to the compliance method as documented in Reference 1.

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

PSEG expects to fully comply with the order implementation date and no relief or relaxation is requested at this time.

6 Open Items from Overall Integrated Plan and Draft Safety Evaluation

Open items consist of the NRC Requests for Additional Information (RAIs) resulting from the NRC's Interim Staff Evaluation (Reference 5). Reference 5 requested a response to the RAIs by March 31, 2015. PSEG plans to provide the requested information by September 30, 2014, which is greater than six months prior to the scheduled start of HCGS Refueling Outage 19 (H1R19). HCGS is required to comply with NRC Order EA-12-051 (Reference 2) prior to restart from H1R19.

7 Potential Draft Safety Evaluation Impacts

There are no draft safety evaluation impacts at this time.

8 References

1. PSEG Letter LR-N13-0019, "PSEG Nuclear LLC's Overall Integrated Plan for the Hope Creek Generating Station 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 27, 2013
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4. 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, August 2012 (ADAMS Accession ML12240A307)
5. NRC Letter to PSEG, "Hope Creek Generating Station, Unit No. 1 – 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 NO. MF1031)," dated November 22, 2013