

PSEG Nuclear LLC
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FEB 18 2015
LR-N15-0024

Order EA-12-051

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 Fourth 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 Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012
2. 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
3. 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
4. PSEG Letter LR-N14-0034, "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)," dated February 25, 2014

5. PSEG Letter LR-N14-0169, "PSEG Nuclear LLC's Third 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 26, 2014

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051 (Reference 1) to PSEG Nuclear LLC (PSEG). NRC Order EA-12-051 was immediately effective and required submission of an Overall Integrated Plan (OIP) pursuant to Condition IV.C.1.a of the Order. Reference 2 provided the Hope Creek Generating Station (HCGS) spent fuel pool level instrumentation OIP. Condition IV.C.2 of NRC Order EA-12-051 requires six-month status reports to delineate progress made in implementing the requirements of the Order. PSEG previously provided six-month updates for HCGS via References 3, 4, and 5. Attachment 1 to this letter provides the fourth six-month status report of progress made in implementing the requirements of NRC Order EA-12-051 at HCGS as of January 31, 2015. There are no changes in compliance method or issues requiring relief identified in Attachment 1.

There are no regulatory commitments contained in this letter.

If you have any questions or require additional information, please do not hesitate to contact Mr. Gary Wohler at 856-339-5020.

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

Executed on 2/18/2015
(Date)

Sincerely,



Paul J. Davison
Site Vice President
Hope Creek Generating Station

Attachment 1: Hope Creek Generating Station Fourth 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

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cc: Mr. William Dean, Director of Office of Nuclear Reactor Regulation
Mr. Daniel Dorman, Administrator, Region I, NRC
Ms. Carleen Sanders-Parker, Project Manager, NRC
NRC Senior Resident Inspector, Hope Creek
Mr. Patrick Mulligan, Manager IV, NJBNE
Hope Creek Commitment Tracking Coordinator
PSEG Commitment Coordinator – Corporate

Attachment 1

**Hope Creek Generating Station Fourth 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**

1 Introduction

PSEG developed an Overall Integrated Plan (OIP) (Reference 1) for Hope Creek Generating Station (HCGS), documenting the plan to meet the requirements to install reliable spent fuel pool instrumentation (SFPI) in response to NRC Order EA-12-051 (Reference 2). In References 3, 4, and 5, PSEG provided the previous six-month status reports associated with implementation of the requirements of NRC Order EA-12-051. This report is the fourth six-month status report, which provides implementation status as of January 31, 2015. This status report follows the guidance in Appendix A to Nuclear Energy Institute (NEI) Report 12-02, Revision 1 (Reference 6), 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. There are no changes to the compliance method or requests for relief associated with this report.

2 Milestone Accomplishments

As of January 31, 2015, the following milestones have been completed since the development of the OIP (Reference 1).

- Submit Overall Integrated Plan
- Issue SFPI Equipment Purchase Order
- Six-Month Status Updates: The milestone is completed with the submittal of this report.

3 Milestone Schedule Status

The following table provides an update of the milestone schedule provided in Section 3 of the 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	Complete	
	Feb 2015	Complete With This Report	
Issue SFPI Equipment Purchase Order	2Q2013	Complete	
Design Change Package			
Complete Detailed Design	2Q2014	Started (Note 1)	Feb 2015
Begin Installation	3Q2014	Complete	
Installation Complete, SFPI Channels Fully Functional	2Q2015	Started	
Implementation Outage	May 2015	Not Started	
Procedures			
Develop Procedures	Jan 2015	Started	Feb 2015
Issue Procedures	May 2015	Not Started	
Complete Training	May 2015	Started	
Submit Final Completion Report	Aug 2015	Not Started	Jul 2015

Section 3 Table Note

1. The HCGS Design Change Package for SFP level instrumentation was issued in May 2014 and is being revised pending completion and acceptance of vendor documentation.

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 NRC Order EA-12-051 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 7). PSEG is providing the requested information as part of the ongoing NRC audit process described in Reference 8, and will provide final docketed RAI responses with the final completion report due within 60 days of startup from the spring 2015 refueling outage.

7 Potential Draft Safety Evaluation Impacts

There are no potential 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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6. 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 ML12240A307)
7. 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

8. NRC Letter to Operating Reactor Licensees and Holders of Construction Permits, "Nuclear Regulatory Commission Audits of Licensee Responses to Reliable Spent Fuel Pool Instrumentation Order EA-12-051," dated March 26, 2014