

PSEG Nuclear LLC  
P.O. Box 236, Hancocks Bridge, NJ 08038-0236



Order EA-12-051

LR-N14-0169

AUG 26 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 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)

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. 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

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On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued Order EA-12-051 (Reference 1) to PSEG Nuclear LLC (PSEG). Reference 1 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. References 3 and 4 provided the first and second six-month status reports, respectively, for HCGS. Enclosure 1 to this letter provides the third six-month status report of progress made in implementing the requirements of NRC Order EA-12-051 at HCGS as of July 31, 2014. There are no changes in compliance method or issues requiring relief identified in Enclosure 1.

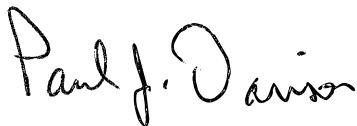
There are no regulatory commitments contained in this letter.

If you have any questions or require additional information, please do not hesitate to contact Mr. Brian Thomas at 856-339-2022.

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

Executed on 8-26-2014  
(Date)

Sincerely,



Paul J. Davison  
Site Vice President  
Hope Creek Generating Station

Enclosure 1 – Hope Creek Generating Station Third 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: Director of Office of Nuclear Reactor Regulation  
Administrator, Region I, NRC  
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 Third 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 References 3 and 4, respectively, PSEG provided the first and second six-month status reports associated with implementation of the requirements of NRC Order EA-12-051. This report is the third six-month status report, which provides implementation status as of July 31, 2014. This status report follows the guidance in Appendix A to Nuclear Energy Institute (NEI) Report 12-02, Revision 1 (Reference 5), 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 compliance method or requests for relief associated with this report.

## 2 Milestone Accomplishments

As of July 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.

<b>Milestone</b>	<b>Target Completion Date</b>	<b>Activity Status</b>	<b>Revised Target Completion Date</b>
<b>Conceptual Design</b>	Dec 2012	Complete	
<b>Submit Overall Integrated Plan</b>	Feb 2013	Complete	
<b>Six-Month Status Updates</b>	Aug 2013	Complete	
	Feb 2014	Complete	
	Aug 2014	Complete	
	Feb 2015	Not Started	
	Aug 2015	Not Started	
<b>Issue SFPI Equipment Purchase Order</b>	2Q2013	Complete	
<b>Design Change Package</b>			
Complete Detailed Design	2Q2014	Started (Note 1)	4Q2014
Begin Installation	3Q2014	Not Started	
Installation Complete, SFPI Channels Fully Functional	2Q2015	Not Started	
Implementation Outage	May 2015	Not Started	
<b>Procedures</b>			
Develop Procedures	Jan 2015	Not Started	
Issue Procedures	May 2015	Not Started	
<b>Complete Training</b>	May 2015	Not Started	
<b>Submit Final Completion Report</b>	Aug 2015	Not Started	

### 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 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 6). Reference 7 requested a response to the RAIs by September 30, 2014. PSEG plans to provide the requested information by September 30, 2014, as part of the ongoing NRC audit of HCGS compliance with NRC Order EA-12-051.

## **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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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. 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)
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
7. NRC Letter to PSEG, "Hope Creek Generating Station, Unit No. 1 – Correction to 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 March 13, 2014