

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



AUG 22 2013  
LR-N13-0174

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 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)

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-N12-0331, "PSEG Nuclear LLC's Initial Status Report 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 October 31, 2012
5. 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

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 directs 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 first six-month status report which delineates progress made in implementing the requirements of the Order, pursuant to Condition IV.C.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.C. Reference 2 endorses, 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 Hope Creek Generating Station (HCGS) initial status report regarding reliable spent fuel pool instrumentation. Reference 5 provided the HCGS spent fuel pool level instrumentation Overall Integrated Plan.

Reference 1 requires submission of a status report at six-month intervals following submittal of the Overall Integrated Plan. NEI 12-02 (Reference 3) provides direction regarding the content of the status reports; i.e., the reports should include any changes to the compliance method, schedule, or need for relief and the basis, if applicable.

Enclosure 1 provides the first six-month status report for HCGS, and reflects the schedule and status of the Spent Fuel Pool Instrumentation Overall Integrated Plan (Reference 5) implementation as of July 31, 2013. There are no changes in compliance method or issues requiring relief identified in Enclosure 1.

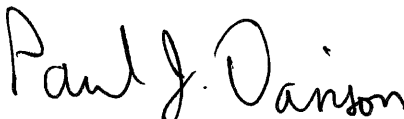
There are no regulatory commitments contained in this letter.

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

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

Executed on 8/22/2013  
(Date)

Sincerely,

  
Paul J. Davison  
Site Vice President  
Hope Creek Generating Station

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Enclosure 1 – Hope Creek Generating Station 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

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**Hope Creek Generating Station 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**

# Hope Creek Generating Station 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 3) 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 1). Provided herein is the HCGS first six-month status report associated with the SFPI OIP (Reference 3), for the reporting period ending July 31, 2013. This status report follows the guidance in Appendix A to Nuclear Energy Institute (NEI) report NEI 12-02 (Reference 2), 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 schedule status, respectively. There are no changes to compliance method (Section 4) or requests for relief (Section 5) associated with this report.

## 2 Milestone Accomplishments

As of July 31, 2013, the following milestones have been completed since the development of the SFPI OIP (Reference 3).

- Submit Integrated Plan: PSEG submitted the SFPI OIP to the NRC (Reference 3)
- 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 3), 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 noting any changes. 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	Not Started	
	Aug 2014	Not Started	
	Feb 2015	Not Started	
	Aug 2015	Not Started	
Issue SFPI Equipment Purchase Order	2Q2013	Complete	
<b>Design Change Package</b>			
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	
<b>Procedures</b>			
Develop Procedures	Jan 2015	Not Started	
Issue Procedures	May 2015	Not Started	
<b>Complete Training</b>	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 the HCGS SFPI OIP (Reference 3).

#### 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 required at this time.

## **6 Open Items from Overall Integrated Plan and Draft Safety Evaluation**

None.

## **7 Potential Draft Safety Evaluation Impacts**

PSEG has not received a Draft Safety Evaluation for HCGS SFPI and there are no potential impacts to the Draft Safety Evaluation identified as of July 31, 2013.

## **8 References**

1. NRC Order Number EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012
2. 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)
3. 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