

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



Order EA-12-051

LR-N14-0033

FEB 25 2014

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

Salem Generating Station, Units 1 and 2
Renewed Facility Operating License Nos. DPR-70 and DPR-75
NRC Docket Nos. 50-272 and 50-311

Subject: PSEG Nuclear LLC's Second Six-Month Status Report for the Salem 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-N13-0020, "PSEG Nuclear LLC's Overall Integrated Plan for the Salem 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 28, 2013

5. PSEG Letter LR-N13-0176, "PSEG Nuclear LLC's First Six-Month Status Report for the Salem 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 25, 2013
6. NRC Letter to PSEG, "Salem Nuclear Generating Station, Units 1 and 2 – 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 NOS. MF0913 and MF0914)," dated October 17, 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 Salem Generating Station (SGS) Units 1 and 2, 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 SGS spent fuel pool level instrumentation OIP.

Reference 1 requires submission of status reports at six-month intervals following submittal of the OIP. 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 SGS. Enclosure 1 contains the second six-month status report for SGS 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 02/25/2014
(Date)

Sincerely,

A handwritten signature in black ink, appearing to read "C. Schwarz", with a large, sweeping flourish at the end.

Christopher J. Schwarz
Vice President – Operations Support

Enclosure 1 – Salem 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, Salem
Mr. P. Mulligan, Manager IV, NJBNE
Salem Commitment Tracking Coordinator
PSEG Corporate Commitment Coordinator

**Salem 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**

**Salem Generating Station Units 1 and 2
PSEG Nuclear LLC**

1 Introduction

PSEG developed an Overall Integrated Plan (OIP) (Reference 1) for Salem Generating Station (SGS) Units 1 and 2, 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 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 Sections 6 and 7.

2 Milestone Accomplishments

As of January 31, 2014, the following milestones have been completed since the development of the SGS SFPI OIP.

- Submit Integrated Plan: PSEG submitted the SGS SFPI OIP to the NRC.
- 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 SGS SFPI OIP, 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. Activities apply to both SGS Units 1 and 2, unless indicated otherwise.

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 - SGS Unit 1	1Q2014	Started	2Q2014
Complete Detailed Design - SGS Unit 2	1Q2015	Started	
Begin Installation – SGS Unit 1	2Q2014	Not Started	
Begin Installation – SGS Unit 2	2Q2015	Not Started	
Installation Complete, SFPI Channels Fully Functional – Unit 1	4Q2014	Not Started	
Installation Complete, SFPI Channels Fully Functional – Unit 2	4Q2015	Not Started	
Implementation Outage – Unit 1	4Q2014	Not Started	
Implementation Outage – Unit 2	4Q2015	Not Started	
Procedures			
Issue Procedures – Unit 1	Nov 2014	Not Started	
Issue Procedures – Unit 2	Nov 2015	Not Started	
Training			
Complete Training – Unit 1	Nov 2014	Not Started	
Complete Training – Unit 2	Nov 2015	Not Started	
Submit Final Completion Report	Feb 2016	Not Started	

4 Changes to Compliance Method

There are no changes to the compliance method as documented in the SGS SFPI OIP.

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, 2014. Due to the reliance of the RAI responses on design change activities and supporting vendor information, PSEG plans to provide a response to each of the RAIs no later than May 30, 2014.

7 Potential Draft Safety Evaluation Impacts

There are no potential draft safety evaluation impacts at this time.

8 References

1. PSEG Letter LR-N13-0020, "PSEG Nuclear LLC's Overall Integrated Plan for the Salem 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 28, 2013
2. NRC Order Number EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012
3. PSEG Letter LR-N13-0176, "PSEG Nuclear LLC's First Six-Month Status Report for the Salem 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 25, 2013
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
5. NRC Letter to PSEG, "Salem Nuclear Generating Station, Units 1 and 2 – 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 NOS. MF0913 and MF0914)," dated October 17, 2013