

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



AUG 25 2013

Order EA-12-051

LR-N13-0176

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 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)

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-N13-0020, "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

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 Salem Generating Station (SGS) Units 1 and 2 initial status report regarding reliable spent fuel pool instrumentation. Reference 5 provided the SGS Units 1 and 2 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 SGS Units 1 and 2, and reflects status of 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 8/25/2013
(Date)

Sincerely,



John F. Perry
Site Vice President
Salem Generating Station

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Order EA-12-051

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

AUG 25 2013
ENCLOSURE 1

LR-N13-0176

**Salem 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**

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

Salem 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 Salem Generating Station (SGS) Units 1 and 2, 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 SGS Units 1 and 2 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 SGS Units 1 and 2 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. 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 | Not Started | |
| | 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 | |
| Complete Detailed Design - SGS Unit 2 | 1Q2015 | Not 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 Units 1 and 2 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 SGS 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
3. 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