

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



**JUL 24 2013**

ASME Code Case N-532-4

LR-N13-0159

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-001

Salem Nuclear Generating Station Unit 1  
Renewed Facility Operating License DPR-70  
NRC Docket No. 50-272

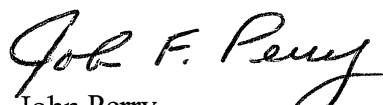
Subject: In-Service Inspection Activities – 90-Day Report

This letter submits the Owner's Activity Report for In-Service Inspection (ISI) activities conducted at the Salem Generating Station Unit 1 during the twenty-second refueling outage. This report is submitted in accordance with Code Case N-532-4 "Repair/Replacement Activity Documentation Requirements and In-Service Summary Report Preparation and Submission Section XI, Division 1," and within its ninety (90) day reporting requirement.

Enclosure 1 to this letter contains the required Salem Unit 1 Owner's Activity Report. There are no commitments contained in this letter.

Should you have any questions regarding this submittal, please contact C.M. Dahms at (856) 339-5456.

Sincerely,

  
John Perry  
Site Vice President - Salem

Enclosures (1)

**JUL 24 2013**

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Page 2

LR-N13-0159

- C Mr. W. Dean, Administrator, Region I, NRC
- Mr. J. Hughley, Project Manager, NRC
- Mr. J. Hawkins, NRC Senior Resident Inspector, Salem
- Mr. P. Muligan, Manager IV, NJBNE
- Mr. L. Marabella, Corporate Commitment Tracking Coordinator
- Mr. T. Cachaza, Salem Commitment Tracking Coordinator
- Mr. Milton Washington, Chief Inspector – Occupational Safety and Health  
Bureau of Boiler and Pressure Vessel Compliance

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Enclosure 1  
LR-N13-0159

**Salem Unit 1**  
**Owners Activity Report – S1R22**  
**In Accordance With ASME**  
**Section XI Code Case N-532-4**

# FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number **S1RFO22**  
Owner **PSEG Nuclear LLC, PO Box 236, Hancocks Bridge, NJ 08038**  
Plant **Salem Generating Station** Unit No. **1**  
Commercial  
Service Date **July 1, 1977** Refueling Outage No. **22**  
Current Inspection Interval **ISI - Fourth (4th) {CISI - Second (2nd)}**  
Current Inspection Period **ISI - First (1st) {CISI - First (1st)}**  
Edition and Addenda of Section XI Applicable to the inspection plan **ISI and CISI - 2004 Edition**  
Date and revision of inspection plan **ISI - July 2012, Revision 1 {CISI - October 2010, Revision 0}**  
Code Cases used **N-460, N-532-4, N-706-1 & N-722-1**

## CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of **S1RFO22** conform to the requirements of Section XI.

Signed



Edley T. Giles / ISI Program Manager

07/15/2013

Owner or Owner's Designee, Title

Date

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New Jersey and employed by Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, during the period November 23, 2011 to May 27, 2013, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Ross Goodwin

  
Inspector's Signature

Commissions NB 14086 A,N,I NJ955

National Board, State, Province, and Endorsements

Date

07/16/2013

# FORM OAR-1 OWNER'S ACTIVITY REPORT

**TABLE 1  
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED  
EVALUATION FOR CONTINUED SERVICE**

Exam Category	Item Number	Item Description	Evaluation Description
Augmented (E-C)	Owner (E4.12)	Containment Liner Plate, performed UT thickness measurements during License Renewal examinations	The technical evaluation of 5 inch by 2 inch mid wall plate lamination identified under notification 20603606. Evaluation concluded that the lamination does not impact the structural integrity of the liner as the stresses are membrane stresses and the effective cross-sectional area is the same as the nominal plate cross-sectional area.

**TABLE 2  
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR  
CONTINUED SERVICE**

Code Class	Item Description	Description of Work	Date Completed	Repair/ Replacement Plan Number
3	Through wall leak in 0.75 inch carbon steel schedule 40 piping upstream of Valve 11CC227	Replace 0.75 inch piping from No. 11 Component Cooling Pump to Valve S1CC-11CC227	05/15/2012	60102788
2	Snubber 1MSN12B serial number 0900610/006, Lisega Model 309253RC4 failed Tension Bleed Rate test.	Installed New Snubber	04/24/2013	50146649
1	No. 11 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 4 tubes.	05/08/2013	50132246
1	No. 12 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 3 tubes	05/08/2013	50132247
1	No. 13 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 3 tubes	05/08/2013	50132263
1	No. 14 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 3 tubes	05/09/2013	50132248
MC	Containment Liner beneath insulation system had degraded coatings (License Renewal examination)	Cleaned Containment Liner, performed UT thickness measurements and repaired coatings.	05/21/2013	60107638
2	2 inch Valve 12MS7 had leak at 0.25 inch pipe plug	Installed new plug and seal weld	05/16/2013	60110660
3	No. 11 Safety Injection Pump Lube Oil Cooler End Bell through wall leakage (1SJE100)	Replaced No. 11 Safety Injection Pump Lube Oil Cooler End Bells	08/16/2012	60105064
3	No. 12 Safety Injection Pump Lube Oil Cooler End Bell through wall leakage (1SJE101)	Replaced No. 12 Safety Injection Pump Lube Oil Cooler End Bells	08/20/2012	60105103