



ASME Code Case N-532-4

LR-N14-0202

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

Salem Nuclear Generating Station Unit 2  
Renewed Facility Operating License DPR-75  
NRC Docket No. 50-311

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 2 during the twentieth 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 2 Owner's Activity Report. There are no commitments contained in this letter.

Should you have any questions regarding this submittal, please contact David Lafleur at (856) 339-5456.

Sincerely,

A handwritten signature in black ink that reads "John F. Perry". The signature is written in a cursive style with a large, sweeping "P" at the end.

John Perry  
Site Vice President - Salem

Enclosures (1)

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cc: Mr. D. Lew, Administrator, Region I, NRC  
Ms. C. Sanders, Project Manager, NRC  
Mr. P. Finney, NRC Senior Resident Inspector, Salem  
Mr. P. Mulligan, 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-N14-0202

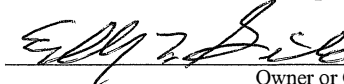
**Salem Unit 2**  
**Owners Activity Report – S2R20**  
In Accordance With ASME  
Section XI Code Case N-532-4

# FORM OAR-1 OWNER'S ACTIVITY REPORT

Number **S2RFO20**  
 Owner **PSEG Nuclear LLC, PO Box 236, Hancocks Bridge, NJ 08038**  
 Plant **Salem Generating Station** Unit No. **2**  
 Commercial  
 Service Date **Oct. 13, 1981** Refueling Outage No. **20**  
 Current Inspection Interval **ISI - Fourth (4th) {CISI - IWE/IWL - Second (2nd)}**  
 Current Inspection Period **ISI - First (1st) {CISI - IWE/IWL - Second (2nd)}**  
 Edition and Addenda of Section XI Applicable to the inspection plan **ISI/CISI - 2004 Edition**  
 Date and revision of inspection plan **ISI - June 2013, Revision 0 {CISI - October 2010, Revision 0}**  
 Code Cases used **N-460, N-532-4, N-706-1 and N-729-1**

## 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 S2RFO20 conform to the requirements of Section XI.

Signed  Edley T. Giles / ISI Program Manager 9/29/14  
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 19, 2012 to July 14, 2014, 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.

Jeremy Shaffer  Commissions NB 13794 A,N,I NJ 1034  
Inspector's Signature National Board, State, Province, and Endorsements  
 Date 9/30/14

# 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
F-A	F1.30	Service Water piping support S2SW -SWPS-31 vertical trunion stitch fillet welds cracked at end.	70165193 - Stress analysis was performed to determine if the remaining fillet welds can perform their function. Conclusion –The support will continue to perform its intended function.
F-A	F1.30	Service Water piping support S2SW -SWPS-32 vertical trunion stitch fillet welds cracked at end.	80111875 - Stress analysis was performed to determine if the remaining fillet welds can perform their function. Conclusion –The support will continue to perform its intended function.

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

Code Class	Item Description	Description of Work	Date Completed	Repair/ Replacement Plan Number
MC	Inaccessible Containment Liner Test Channel Corrosion	Removed degraded liner test channels, performed UT Thickness measurements of liner ,restored liner coatings and sealed remaining test channels to prevent moisture intrusion	07/09/2014	60117236
1	Surface indications on Reactor Coolant Pump support lug welded attachment	Removed indications by blending, re-examined with acceptable results	05/06/2014	60116663
1	No. 21 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 56 tubes.	05/17/2014	50155081
1	No. 22 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 34 tubes	05/12/2014	50155095
1	No. 23 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 6 tubes	05/11/2014	50155096
1	No. 24 Steam Generator Tubing Inspections	Steam Generator tubes plugged (both ends) – 37 tubes	05/06/2014	50155090
1	2C-PRH-223 piping constant load support outside range	Adjusted piping constant load support within acceptable range	07/04/2014	60117855
2	2RHRH22-23 piping variable support hanger outside range	Adjusted variable support hanger within acceptable range	07/24/2014	70165716
3	ASME 3/8" Tubing weld leak on instrument line to 2PA9637Z and 2PD2801	Tubing and associated fittings replaced	05/03/2014	60116868