

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



January 8, 2010
LR-N10-0002

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

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

Subject: Inservice Inspection Activities – 90-Day Report

This letter submits the Owner's Activity Report for Inservice Inspection (ISI) activities conducted at the Salem Generating Station Unit 2 during the seventeenth refueling outage. This report is submitted in accordance with Code Case N-532-4 "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice 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 E. H. Villar at (856) 339-5456.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Fricker", written over the word "Sincerely,".

Carl J. Fricker
Site Vice President - Salem

Enclosures (1)

A047
NRR

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C Mr. S. Collins, Administrator - Region I
 Mr. R. Ennis, Project Manager – Salem
 USNRC Senior Resident Inspector – Salem (X24)
 Mr. P. Mulligan, Manager IV
 Commitment Coordinator Salem
 PSEG Corporate Commitment Manager
 Mr. Milton Washington, Chief Inspector

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Enclosure 1
LR-N10-0002

Salem Unit 2
Owners Activity Report – S2R17
In Accordance With ASME
Section XI Code Case N-532- 4

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number S2RFO17

Owner PSEG Nuclear LLC, PO Box 236, Hancocks Bridge, NJ 08038

Plant Salem Generating Station

Unit No. 2 Commercial Service Date Oct. 31, 1981 Refueling Outage No. 17

Current Inspection Interval ISI - Third (3rd) {Containment IWE/IWL First (1st)}

Current Inspection Period ISI - Second (2nd) {Containment IWE/IWL Third (3rd)}

Edition and Addenda of Section XI Applicable to the inspection plan;
ISI - 1998 Edition - 2000 Addenda; Containment IWE/IWL - 1998 Edition - 1998 Addenda

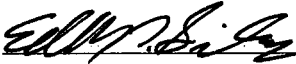
Date and revision of inspection plan March 2009, Revision 1

Edition & Addenda of Section XI Applicable to repairs and replacements, if different than the inspection plan
(Unless specifically identified in the individual repair plan)

ASME Class 1, 2 and 3 - 1998 Edition, 2000 Addenda; Class MC - 1992 Edition, 1992 Addenda

CERTIFICATE OF CONFORMANCE

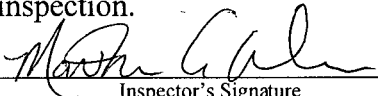
I certify that the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of S2RFO17 conform to the requirements of Section XI.

Signed  Edley T. Giles / ISI Program Manager 01/05/2010
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 May 09, 2008 to November 11, 2009, 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.

 Commissions NB12683A NJ1198
Inspector's Signature National Board, State, Province, and Endorsements

Date 01/06/2010

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
E-A	E1.11	Containment Liner Corrosion at 78' between floor and Leak Test Channel	Technical Input to Operability Evaluation (09-021) of Potential Containment Liner Corrosion DRN 0108-0373-01 (PSEG Nuclear VTD 901897, Sheet 1) Revision 0

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

Code Class	Item Description	Description of Work	Date Completed	Repair/ Replacement Plan Number
2	Hanger S2RHR-2RHRH21-16 Corroded	Replaced Pipe Hanger 2-RHRH-21-16	05/30/2008	60075919
2	CCW Piping Leak U/S of Valve S2CC -2CC183	Replaced S2CC -2CC183 and U/S Piping	04/23/2008	60076062
2	Piping Corrosion U/S of Valve S2CC -2CC180	Replaced Valve S2CC -2CC180 and U/S Piping, Repaired Penetration	06/12/2008	60076064
1	Hanger 2C-24-SIG-518 Missing Stud	Hanger 2C-24-SIG-518 Repaired	07/24/2008	60076234
3	Tubing Leak near S2SW -2SW449	Replaced Tubing and fitting at S2SW -2SW449	04/22/2008	60076364
2	Tubing Leak D/S of Valve S2SS -2SS110	Replaced Tubing D/S of Valve S2SS -2SS110	10/31/2009	60076705
3	Leak D/S of Valve S2SW -2SW340	Replaced Tubing and Fittings D/S of Valve S2SW -2SW340	06/02/2008	60077045
2	Leak in tubing D/S of Valve S1CVC-1CV299	Replaced tubing D/S of Valve S1CVC -1CV299	10/04/2008	60078450
3	Leak D/S of Valve S2SW -21SW97	Replaced Flange and Tubing D/S of Valve S2SW -21SW97	02/04/2009	60081138
3	Leak at flange to 22 Containment Spray Pump Room Cooler S2SW -2SWE22	Replaced Flange and Nozzle to S2SW -2SWE22 Room Cooler	07/14/2009	60083349