

JUL 20 2010



LR-N10-0256

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

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

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 No. 1 during the twentieth refueling outage. This report is submitted in accordance with Code Case N-532-4 "Repair / Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission Section XI, Division 1," and within the 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 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
NRK

JUL 20 2010

cc Mr. W. Dean, Administrator - Region I
 Mr. R. Ennis, Licensing Project Manager - Salem
 USNRC Senior Resident Inspector - Salem (X24)
 Mr. P. Mulligan, Manager IV
 Mr. H. Berrick, Salem Commitment Tracking Coordinator
 Mr. L. Marabella, Corporate Commitment Tracking Coordinator

 Mr. Milton Washington
 Chief Inspector
 NJ Department of Labor
 Division of Public Safety, Occupational Safety and Health
 Bureau of Boiler and Pressure Vessel Compliance
 P. O. Box 396
 101 South Broad Street
 Trenton, NJ 08625-0392

Nuclear Regulatory Commission
Enclosure 1
LR-N10-0256

**Salem Unit 1
Owner's Activity Report – S1R20
In Accordance With ASME
Section XI Code Case N-532-4**

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number S1RFO20

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. 20

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

Current Inspection Period ISI - Third (3rd) {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 2

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 S1RFO20 conform to the requirements of Section XI.

Signed Edley T. Giles Edley T. Giles / ISI Program Manager 7/12/10
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 York 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 15, 2008 to April 29, 2010, 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.

William J. Gurnea Commissions NB12990 A.I.N. NYS320
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13-2010

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
N/A	N/A	None	N/A

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	Containment Liner Corrosion at 78' between floor and Leak Test Channel	Clean, Perform UT Thickness Examination and Restore Coating and Moisture Barrier on Containment Liner at 78' between floor and Leak Test Channel	05/04/2010	60086175
3	3/4" Valve 11SW64 Leaking 16 DPM during System Pressure Test	11SW64 was cut out and replaced with 3/4" AL6XN ball valve	11/20/2008	60079602
3	SI Room Cooler SW Tubing Leak D/S of 3/8" Valve 1SW179	Replaced 3/8" Tubing and Fittings D/S of 3/8" Valve 1SW179	04/01/2009	60082359
3	22 CS Room Cooler – 1.5" Piping Leak at Cooler Flange	Replaced 1.5" Pipe Spool to CS Room Cooler Flange	05/19/2009	60083349
3	12 CVC Pump Room Cooler Pressure Tap 3/8" Valve 1SW651 tubing leak.	Replaced 3/8" Valve 1SW651 and U/S tubing.	07/09/2009	60084466
3	11 Chiller condenser recirc pump discharge pressure gage, Leak D/S of 3/4" Valve 11SW225 on pipe reducer connection to instrument tubing	Replaced entire spool D/S of Valve 11SW225	10/09/2009	60086109
3	Leak in Elbow D/S of 3/4" Valve 14SW243	Replaced Piping and Elbow D/S of 3/4" Valve 14SW243	10/29/2009	60086502
3	Leak in Piping D/S of 3/4" Valve 11SW243	Replaced D/S Piping and 3/4" Valve 11SW243	04/06/2010	60083758
3	Component Cooling Leak on Piping to 3/4" Valve CC221	Replaced 3/4" Piping to Valve CC221	01/14/2010	60088036
3	12 CC HX Leak on weld to 3/4" Valve 12SW398	Replaced 3/4" Valve 12SW398 and Pipe Nipple	1/14/2010	60087475
3	Leak in Piping D/S of 3/4" Valve 14SW243 Additional Leak not in Order 60086502	Replaced 3/4" Valve 14SW243 and Piping	10/02/2009	60084833
3	4" Auxiliary Feedwater Buried Piping to SG - External Wall Loss	Replaced Entire Portion of Buried Auxiliary Feedwater 4" Piping	04/30/2010	60089561 60089848