



FEB 11 2019

ASME Code Case N-532-5

LR-N19-0011

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington DC 20555-0001

Salem 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 twenty-third refueling outage. This report is submitted in accordance with Code Case N-532-5 "Repair/Replacement Activity Documentation Requirements and In-Service Summary Report Preparation and Submission Section XI, Division 1," and within its ninety 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 Mr. Thomas Cachaza at 856-339-5038.

Sincerely,

A handwritten signature in black ink, appearing to read "PM", written over a horizontal line.

Patrick Martino  
Plant Manager- Salem  
Salem Generating Station

Enclosure

cc: Mr. D. Dorman, USNRC -Administrator-Region 1  
Mr. J. Kim, USNRC -Licensing Project Manager-Salem  
Mr. P. Finney, USNRC Senior Resident Inspector  
Mr. P. Mulligan, Chief, NJBNE  
Mr. T. Cachaza, Salem Commitment Tracking Coordinator  
Mr. L. Marabella, Corporate Commitment Tracking Coordinator  
Mr. M. Washington, Chief Inspector- Occupational Safety and Health  
Bureau of Boiler and Pressure Vessel Compliance

Enclosure 1  
LR-N19-0011

Salem Unit 2  
Owner's Activity Report — S2RFO23  
In Accordance With ASME  
Section XI Code Case N-532-5

# FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number S2RF023

Plant Salem Generating Station

Unit No. 2 Commercial service date October 13, 1981 Refueling outage no. 23  
(if applicable)

Current inspection interval ISI - Fourth (4<sup>th</sup>), CISI - Second (2<sup>nd</sup>)  
(1st, 2nd, 3rd, 4th, other)

Current inspection period ISI - Second (2<sup>nd</sup>), CISI - Third (3<sup>rd</sup>)  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2004 Edition, No addenda

Date and revision of inspection plans ISI Revision 3, August 2018 (CISI Revision 2, September 2018)

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans \_\_\_\_\_  
Same as ISI Plans

Code Cases used for inspection and evaluation: N-460, N-532-5, N-566-2, N-706-1, N-716-1, N-722-1, N-729-4 and N-770-2.  
(if applicable, including cases modified by Case N-532 and later revisions)

## 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 S2RF023  
(refueling outage number)

Conform to the requirements of Section XI.

Signed Edley T. Giles Edley T Giles / ISI Program Owner Date 1/24/2019  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by Hartford Steam Boiler of Hartford, CT have inspected the items described in this Owner's Activity Report, 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.

Christopher M Miskin Commission NB 15537, A. N. I. R.  
Inspector's Signature (National Board Number and Endorsement)

Date 1/24/2019

# 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
B-P	B15.10b	S2CVC-2CV77 Body-to-Bonnet inactive boric acid indication was observed around the body to bonnet seam during a scheduled ASME Section XI VT-2 examination of class 1 bolted connection.	Order 70203562, S2CVC-2CV77 Boric Acid Program Evaluation was performed as well as a Body-to-Bonnet Stud Failure Evaluation. Valve was disassembled during S2R20 for seat replacement, bolting was good condition at that time. Current evaluation is for one cycle, the valve will be disassembled during next refueling outage S2R24 for inspection.

**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	Service Water leak was identified 21 SW header, pinhole leak was in 2" pipe connection on top of header.	Replaced Service Water header 2" branch connection.	09/04/2018	60139163
MC	License Renewal Containment Liner inspections beneath insulation system revealed corrosion and wall loss below minimum required wall thickness.	Performed weld overlay of 6 inch by 6 inch area to restore containment liner thickness to design requirements.	01/22/2019	60135577
MC	Containment IWE inspections of moisture barrier at floor to containment liner was found degraded.	Removed moisture barrier below concrete floor grade to sound metal, performed UT thickness measurements and found a 3 inch by 10 foot long area of containment liner knuckle below design wall thickness, performed weld overlay to restore containment liner thickness to design requirements.	01/22/2019	60135577