



ASME Code Case N-532-5

LR-N21-0021
March 11, 2021

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

Salem 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-seventh 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 1 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 "R. DeSanctis", written in a cursive style.

Richard DeSanctis
Plant Manager- Salem
Salem Generating Station

Enclosure

cc: Mr. D. Dorman, USNRC -Administrator-Region 1
Mr. J. Kim, USNRC -Licensing Project Manager-Salem
Mr. J. Hawkins, 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-N21-0021

Salem Unit 1
Owner's Activity Report — S1RFO27
In Accordance With ASME
Section XI Code Case N-532-5

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number S1RFO27

Plant Salem Generating Station

Unit No. 1 Commercial Service Date July 1, 1977 Refueling Outage no. 27
(If applicable)

Current Inspection Interval ISI - Fourth (4th), CISI - Second (2nd)
(1st, 2nd, 3rd, 4th, other)

Current Inspection Period ISI - Third (3rd), CISI - Third (3rd)
(1st, 2nd, 3rd)

Edition and Addenda of Section XI Applicable to the Inspection Plans 2004 Edition, No Addenda

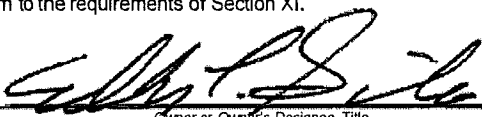
Date and Revision of Inspection Plans ISI Revision 6, August 2020 (CISI Revision 3, March 2020)

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-648-2, N-716-1, N-722-1, N-770-5, N-798, N-800, N-854, N-845

CERTIFICATE OF CONFORMANCE

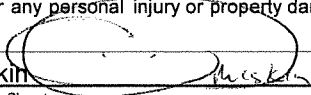
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of S1RFO27 Conform to the requirements of Section XI. (Refueling outage number)

Signed  Edley T Giles / ISI Program Owner Date 03/10/2021
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 Inspection and Insurance Company of Hartford, Connecticut 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.

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

Date 3/10/2021

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-N-3	B13.70	Reactor Pressure Vessel Cladding	RPV cladding anomalies allow reactor coolant to contact the RPV carbon steel vessel resulting in potential corrosion, evaluated under order 70215010.
B-N-3	B13.70	Barrel-Former Bolts	Three Barrel-Former Bolts identified with indications, evaluated under order 70215189.
B-N-3	B13.70	Thermal Shield Support Block Bolts	Two Thermal Shield Support Block Bolts; one with an indication and one non-testable, evaluated under order 70215189.

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

Code Class	Item Description	Description of Work	Date Complete	Repair/Replacement Plan Number
2	3/8 inch Stainless Steel Reactor Head seal leak off line tubing leakage. This tubing (Line #2820 H-N) runs between valves 1RC2, 1RC3 and 1RC4.	Discolored dry tan boric acid was identified on tubing and tubing tray on Reactor Head seal leak off line. All affected tubing between valves 1RC2, 1RC3 and 1RC4 was replaced.	01/27/2021	60147803
3	3/4 inch Carbon Steel Chilled Water system piping on the upstream side of valve 11CH26 leaking.	During fill and vent of the chilled water system a leak was identified on 3/4 inch Carbon Steel nipple on upstream side of 11CH26. 3/4 inch Carbon Steel nipple was replaced.	01/23/2020	60145228
1	Inspections of Reactor Vessel Internals Identified Five Thermal Shield Flexures Failed.	All five flexures with indications were replaced with an approved design modification. Two of the five flexures also had outer weld indications on the thermal shield to thermal shield flexure interface at locations 180° and 236°, these indications were removed by the electrical discharge machining while preparing thermal shield surface for the replacement flexures.	11/29/2020	60146353