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10 CFR 50.55a (g)

JUL 20 2007

LR-N07-0172

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 Owners Activity Report for Inservice Inspection (ISI) activities conducted at the Salem Generating Station Unit No. 1 during the eighteenth refueling outage. This report is submitted in accordance with Code Case N-532-1 "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission Section XI, Division 1," and within the specified ninety (90) day reporting requirement.

Enclosure 1 to this letter contains the required Salem Unit 1 Owners Activity Report.

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 "Robert Braun".

Robert Braun
Site Vice President - Salem

Enclosures (1)

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Nuclear Regulatory Commission
Enclosure 1
LR-N07-0172

Salem Unit 1
Owners Activity Report – S1R18
In Accordance With ASME
Section XI Code Case N-532-1

SALEM GENERATING STATION UNIT 1 – S1RFO18 OAR REPORT

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number S1RFO18

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. 18

Current Inspection Interval Third (3rd)

Current Inspection Period Second (2nd)

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

Appendix VIII examinations – 1995 Edition 1996 Addenda as amended by Final Rule

Date and revision of inspection plan 11/2003, Revision 1

Edition & Addenda of Section XI Applicable to repairs and replacements, if different than the inspection plan
ASME Class 1, 2 and 3 – 1998 Edition, 2000 Addenda; Class MC – 1992 Edition, 1992 Addenda

(Unless specifically identified in the individual repair plan)

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certification of Authorization No. N/A Expiration Date N/A

Signed SALEM ISI PROGRAM MGR / SALEM ENR. PROGS. MGR Date 7/16/2007
J. Madikowski 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 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 7, 2005 to April 20, 2007, 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 examinations, tests, repairs, replacements, evaluations and corrective measures 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.

Caro Whetten HSB-CT Commissions NJ 786
Inspector's Signature National Board, State, Province, and Endorsements

Date 07/17/2007

SALEM GENERATING STATION UNIT 1 – S1RFO18 OAR REPORT

TABLE 1 – ABSTRACT OF EXAMINATIONS AND TESTS

Exam Category	Total Examinations Required for the Interval	Total Examinations Credited for the Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) To Date for the Interval	Remarks
B-A	21	0	0	5	3 rd Interval, 2 nd Period; See Note 1
B-B	5	2	40	60	3 rd Interval, 2 nd Period; See Note 5
B-D	30	7	23	37	3 rd Interval, 2 nd Period; See Note 2
B-G-1	20	7	35	55	3 rd Interval, 2 nd Period; See Note 1
B-G-2	84	23	27	63	3 rd Interval, 2 nd Period
B-K	8	3	38	125	3 rd Interval, 2 nd Period
B-L-1	1	0	0	100	3 rd Interval, 2 nd Period; See Note 1
B-L-2	4	0	0	0	3 rd Interval, 2 nd Period; See Note 3
B-M-1	2	0	0	0	3 rd Interval, 2 nd Period; See Note 1
B-M-2	30	0	0	13	3 rd Interval, 2 nd Period; See Note 3
B-N-1	4	1	25	50	3 rd Interval, 2 nd Period
B-N-2	1	0	0	0	3 rd Interval, 2 nd Period; See Note 1
B-N-3	14	0	0	0	3 rd Interval, 2 nd Period; See Note 1
B-O	1	0	0	0	3 rd Interval, 2 nd Period; See Note 1
B-P	6	2	33	67	3 rd Interval, 2 nd Period
C-A	21	4	19	57	3 rd Interval, 2 nd Period
C-B	8	3	38	63	3 rd Interval, 2 nd Period; See Note 6
C-C	17	6	35	71	3 rd Interval, 2 nd Period
C-D	2	0	0	50	3 rd Interval, 2 nd Period; See Note 7
C-G	3	1	33	67	3 rd Interval, 2 nd Period; See Note 8
C-H	177	59	33	67	3 rd Interval, 2 nd Period
D-A	30	10	33	77	3 rd Interval, 2 nd Period
D-B	165	55	33	67	3 rd Interval, 2 nd Period
F-A	308	98	32	67	3 rd Interval, 2 nd Period
R-A	146	53	36	70	3 rd Interval, 2 nd Period; See Note 4
E-A	475	158	33	99	1 st Interval, 3 rd Period; See Note 9
L-A	558	0	0	67	1 st Interval, 3 rd Period;

Notes:

- 1) Deferral permissible for: B-A, B-E, B-G-1, B-L-1, B-M-1, B-N-2, B-N-3, B-O
- 2) Reference Table IWB-2500-1, Exam Category B-D, Program (B) Notes 2 and 5
- 3) To be examined only if disassembled for maintenance, repair or volumetric exam. Reference Table IWB-2500-1, Exam Category B-L-2, B-M-2, Note 2
- 4) Risk Informed was implemented in the second interval, third period, replacing ASME categories B-F, B-J, C-F-1, and C-F-2.
- 5) Reference Table IWB-2500-1, Exam Category B-B, Note 1
- 6) Reference Table IWC-2500-1, Exam Category C-B, Note 4
- 7) Reference Table IWC-2500-1, Exam Category C-D, Note 2
- 8) Reference Table IWC-2500-1, Exam Category C-G, Note 1
- 9) Inaccessible components will be examined when they become accessible.

SALEM GENERATING STATION UNIT 1 – S1RFO18 OAR REPORT

TABLE 2 – ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

Exam Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
D-B	D2.10	Upstream instrument tubing weld to valve 11SW493	Non-Planar	No

TABLE 3 – ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)	Date Completed	Repair/ Replacement Plan Number
3	Replacement	Instrument tubing downstream of valve 11SW405	Replacement of Instrument Tubing	No	04/16/2007	60068795
3	Replacement	Instrument tubing upstream of valve 11SW493	Replacement of Instrument Tubing	No	04/11/2007	60068805
3	Repair	Drain line of radiation monitor 1RA3907	Repair weld	No	03/23/2007	60067947
3	Replacement	Drain line of radiation monitor 1RA3908	Replacement of pipe	No	03/30/2007	60067946
3	Replacement	Tubing downstream of valve 12SW4	Replacement of Instrument Tubing	No	10/25/2006	60061807
3	Replacement	Valve 12SW75	Replacement of valve	No	08/19/2006	60064674
3	Replacement	Pipe Support 1-SWPG-049 bolting	Replace bolts	No	12/23/2005	60060183
3	Replacement	Instrument valve 11SW4 tubing	Replace tubing	No	12/08/2005	60059644
3	Replacement	Valve 12CC197 tubing to adapter weld	Replace tubing, adapter, and downstream instrument valve	No	03/09/2007	60067703
2	Repair	Check valve 1CV173 body to cover connection	Structurally secured threaded connection with fillet weld	No	04/17/2007	60068869
3	Replacement	1SWE32 CFCU motor cooler head to nozzle weld	Replace cooler head with spare	No	04/30/2004	30072946