

Public Service
Electric and Gas
Company

Joseph J. Hagan

Public Service Electric and Gas Company P.O. Box 236, Hancocks Bridge, NJ 08038 609-339-1200

Vice President - Nuclear Operations

SEP 30 1993

NLR-N93151

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555


Gentlemen:

INSERVICE INSPECTION ACTIVITIES
ELEVENTH REFUELING OUTAGE
SALEM GENERATING STATION
UNIT NO. 1
DOCKET NO. 50-272

Public Service Electric & Gas Company (PSE&G) hereby provides in Enclosure 1 to this letter, a summary of the Inservice Inspections and Examinations to be performed during the eleventh refueling outage for Salem Unit No. 1. The outage is scheduled to begin October 2, 1993. A tentative schedule for performance of the required examinations is noted on Enclosure 2.

Should there be any questions with regard to this submittal, please do not hesitate to contact us.

Sincerely,



070036

9310070247 930930
PDR ADOCK 05000272
Q PDR

A047
11

SEP 30 1993

C Mr. J. C. Stone
Licensing Project Manager

Mr. S. Barr
Senior Resident Inspector (Acting)

Mr. T. Martin, Administrator
Region I

Mr. Kent Tosch, Manager IV
New Jersey Department of Environmental Protection
Division of Environmental Quality
Bureau of Nuclear Engineering
CN 415
Trenton, NJ 08625

Mr. Emanuel J. Mossa
Assistant Director
New Jersey Department of Labor and Industry
Office of Boiler and Pressure Vessel Compliance
PO Box 1503, Labor and Industry Building
CN 932
Trenton, NJ 08625

ENCLOSURE 1
ISI EXAMINATION SUMMARY
SALEM UNIT NO. 1
ELEVENTH REFUELING OUTAGE

A. Southwest Research Institute will conduct the following ISI examinations as required by ASME Section XI and Technical Specifications:

89 Manual ultrasonic examinations (includes 3 year in-place flywheel examinations on two reactor coolant pumps.

88 Liquid penetrant examinations

8 Magnetic particle examinations

Invessel Visual VT-3

NOTE

The summaries listed above cover the examinations scheduled for the second inspection (outage) of the second period - Salem Unit 1, second inspection interval. Some of the examinations may be deferred depending on subsequent outage dates, plant conditions, and satisfying minimum percentages completed and maximum percentages credited requirements of ASME Section XI.

B. MQS will perform Erosion/Corrosion UT thickness examinations of piping identified by Engineering.

C. Westinghouse Electric Corporation will conduct:

1. Bobbin coil eddy current inspection on a random sampling of 3% of the tubes in 11 through 14 steam generators to satisfy Technical Specification surveillance requirements.
2. Bobbin coil eddy current inspection of an additional 17% of the tubes in each 11 through 14 steam generators.
3. Eddy current using MRPC of 20% of the tubes in 11 through 14 steam generators (hot leg only) to satisfy Wextex concerns.
4. Mechanical plugging of any tube exceeding Technical Specification plugging limit in 11 through 14 steam generators.

ENCLOSURE 1

-2-

5. Shot peening 100% of the tubes in 11 through 14 steam generators (hot leg only) to mitigate PWSCC.
 6. Vent two explosive plug tops and replace eleven explosive plugs with mechanical plugs in 14 steam generator
 7. Steam generator secondary side inspection of 11 through 14 steam generators consisting of sludge lancing and foreign object search and retrieval.
 8. Helium leak test of No. 12 steam generator to locate source of suspected primary to secondary leakage observed during operation.
- D. Siemens will conduct in-place functional testing of two steam generator and one main steam isolation valve hydraulic snubbers as required by Technical Specifications.
- E. PSE&G Reliability & Assessment ISI Group will conduct:
1. Visual examinations of 140 snubbers (mechanical and hydraulic) as required Technical Specifications.
 2. Visual examinations (VT-1) of Nuclear Class 1 pressure retaining bolting on approximately 28 components as required by ASME Section XI and Technical Specifications.
 3. Visual examinations (VT-3) of approximately four valve internal exams as required by ASME Section XI and Technical Specifications.
 4. Functional testing of thirteen mechanical snubbers as required by Technical Specifications.
 5. Functional testing of all PSA 1/4 and PSA 1/2 mechanical snubbers due to their history of past failures (not included in Technical Specification sample population).

6. System leakage examinations as required by ASME Section XI and Technical Specifications.
7. Local leak rate testing of all Type "B" penetrations and Type "C" valves as required by 10CFR50 Appendix J and Technical Specifications.
8. The waste gas system integrated leak rate test as required by NUREG-0585.

NLR-N93151

ENCLOSURE 2
ISI EXAMINATION SUMMARY
SALEM UNIT NO. 1
TENTH REFUELING OUTAGE

The Unit 1 eleventh refueling outage is scheduled to commence on October 2, 1993, and to be completed by December 12, 1993. The anticipated starting dates for performing the ISI activities listed on Enclosure 1 are as follows:

Week of 9/27/93

- Commence Type B and C local leak rate testing
- Commence system pressure tests

Week of 10/4/93

- Commence secondary side steam generator work
- Commence snubber visual examinations
- Commence Section XI NDE including visual examinations
- Commence erosion/corrosion examinations
- Commence snubber functional testing

Week of 10/11/93

- Commence reactor vessel internal VT-3

Week of 10/18/93

- Commence primary side steam generator work
- Commence waste gas system leak rate test