



PSE&G

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Nuclear Department

MAR 12 1993

NLR-N93027

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

Gentlemen:

INSERVICE INSPECTION ACTIVITIES
SEVENTH REFUELING OUTAGE
SALEM GENERATING STATION
UNIT NO. 2
DOCKET NO. 50-311

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 seventh refueling outage for Salem Unit No. 2. The outage is scheduled to begin March 20, 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,

J. J. Hagan
Vice President -
Nuclear Operations

Enclosures (2)

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The power is in your hands.

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MAR 12 1993

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

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

- 103 Manual Ultrasonic examinations (includes 3 year in-place flywheel examinations on two reactor coolant pumps.
- 108 Liquid Penetrant examinations
- 17 Magnetic Particle examinations

NOTE

The summaries listed above cover the examinations scheduled for the first inspection (outage) of the first period of the Salem Unit 2 second ten year inservice 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 ultrasonic thickness examinations of piping identified by Engineering.

C. Westinghouse Electric Corporation will conduct:

- 1. Bobbin coil eddy current inspection on a random sampling of 6% of the tubes in 22 and 24 steam generators to satisfy Technical Specification surveillance requirements.
- 2. Bobbin coil eddy current inspection of an additional 44% of the tubes in 22 and 24 steam generators.

NOTE

PSE&G plans to perform approximately 50% eddy current inspection of 22 and 24 steam generators. However, only 6% of the tubes in each steam generator will be selected to satisfy Technical Specifications surveillance requirements. Any indications noted during the 6% Technical Specification inspections will result in additional examinations as required by Technical Specifications. Any indications noted during the non-Technical Specification inspections will be evaluated on a case by case basis and sound engineering judgement will be used for possible scope expansions.

ENCLOSURE 1

-2-

3. Eddy current using MRPC of 50% of the tubes in 22 and 24 steam generators (hot leg only) to satisfy Wextex concerns.
 4. Mechanical plugging of any tube exceeding Technical Specification plugging limit in 22 and 24 steam generator.
 5. Steam generator secondary side inspection of 22 and 24 steam generators consisting of sludge lancing and foreign object search and retrieval.
 6. Helium leak test of No. 24 steam generator to locate source of a 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 Site Services Inservice Inspection Group will conduct:
1. Visual examinations of approximately 100 Nuclear Class 1, 2, and 3 supports and approximately 136 snubbers (mechanical and hydraulic) as required by ASME Section XI and Technical Specifications.
 2. Visual examinations (VT-1) of Nuclear Class 1 pressure retaining bolting on approximately 22 components as required by ASME Section XI and Technical Specifications.
 3. Visual examinations (VT-3) of approximately five valve internal exams as required by ASME Section XI and Technical Specifications.
 4. Functional testing of nine 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 populations).

ENCLOSURE 1

-3-

6. System leakage examinations as required by ASME Section XI and Technical Specifications and NUREG-0578.
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-N93027

ENCLOSURE 2
ISI EXAMINATION SUMMARY
SALEM UNIT NO. 2
SEVENTH REFUELING OUTAGE

The Unit 2 seventh refueling outage is scheduled to commence on March 20, 1993 and is scheduled to be completed by June 1, 1993. The anticipated starting dates for performing the ISI activities listed on Enclosure 1 are as follows:

Week of 2/22/93

- Perform Waste Gas Leak Rate Test

Week of 3/21/93

- Commence B&C Leak Rate Testing
- Commence Hanger, Snubber, Bolting and valve internal visual exams
- Commence Snubber functional testing
- Commence Section XI NDE and Erosion/Corrosion exams

Week of 3/28/93

- Commence Secondary Side Steam Generator work

Week of 4/4/93

- Perform Primary Side Steam Generator work