



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30303

Report No. 50-281/79-18

Licensee: Virginia Electric and Power Company
P. O. Box 26666
Richmond, Virginia 23261

Facility Name: Surry Unit 2

Docket No. 50-281

License No. DPR 37

Inspection at Surry site near Williamsburg, Virginia

Inspector: W. P. Ang

3-30-79
Date Signed

Approved by: J. C. Bryant
J. C. Bryant, Section Chief, RCES Branch

4/2/79
Date Signed

SUMMARY

Inspection on March 13 - 16, 1979

Areas Inspected

This routine unannounced inspection involved 24 inspector-hours onsite in the areas of steam generator repair procedures, work activities, and records; and general containment work activities.

Results

Of the areas inspected, no apparent items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

Licensee Employees

- *W. L. Stewart, Station Manager
- *A. L. Parrish, III, Steam Generator Repair Project Manager
- *J. Goodson, Steam Generator Repair Project QA Supervisor
- *Y. P. Magnum, Steam Generator Repair Project Resident Engineer

Other licensee employees contacted during this inspection included 4 technicians.

Other Organizations

F. Gerardine, Jr., Westinghouse (W) Site Manager

NRC Resident Inspector

*D. J. Burke

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on March 16, 1979 with those persons indicated in Paragraph 1 above. The licensee was informed of Unresolved Item 50-281/79-18-01 on calibration records for gages being used for the nitrogen purge on the lower steam generator replacement shells (paragraph 7). The licensee acknowledged the finding.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve noncompliance or deviations. A new unresolved item identified during this inspection is discussed in paragraph 7.

5. Independent Inspection Effort

An inspection of work being performed to prepare the containment for the repair of the steam generators was accomplished. Concrete removal activities were observed.

No items of noncompliance or deviations were identified.

6. Steam Generator Repair - Review of Quality Assurance Implementing Procedures

An inspection was performed to determine that appropriate and adequate procedures are included or referenced in the QA manual to assure that activities associated with steam generator (SG) repair are controlled and performed according to NRC requirements and the Surry SG Repair Program (SSGP) commitments. In particular, the following receipt inspection, handling and storage procedures were inspected:

Surry QA Manual, Section 7 - "Control of Purchased Equipment and Services"

Surry QA Manual, Section 13 - "Handling, Storage and Shipping"

Williams Crane and Rigging Inc. Procedure U - "Handling of New SG Lower Shells at Barge Slip and in Temporary Storage Area"

W Process Specification NPT-89 - "Primary Moisture Separator Preinstallation Maintenance Procedure"

W Process Specification NPT-91 - "Protective Measures for Long Term Storage of SG Lower Assembly"

W Process Specification NPT-94 - "Protective Measures for Short Term Storage of SG Lower Assembly"

No items of noncompliance or deviations were identified.

7. Steam Generator Repair - Observation of Work and Work Activities

The SG lower assembly, moisture separators, and feed rings were inspected to ascertain compliance with applicable licensee storage, protection and preservation procedures. The inspector noted that pressure gages being used for monitoring the SG lower assembly had no markings to indicate that the gages had been calibrated and the date that they would require calibration. The licensee had no records onsite for the calibration of the gages. The licensee indicated that the gages had been installed by the vendor. The licensee indicated that they would try to obtain the gage calibration records from the SG lower assembly vendor. Pending availability of SG lower assembly purge gas pressure gage calibration records for NRC inspection, this shall be identified as Unresolved Item 50-281/79-18-01.

8. Steam Generator Repair - Review of Quality Record

The SG lower assembly nitrogen protection log for the period of March 10-14, 1979 was reviewed to ascertain licensee compliance with SSGP commitments and applicable procedures. Records for off loading the SG lower assemblies (procedure ETA 20003) were reviewed to determine licensee compliance with SSGP commitments and applicable procedures.

No items of noncompliance or deviations were identified.