



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA ST., N.W., SUITE 3100
 ATLANTA, GEORGIA 30303

Report No. 50-404/82-10

Licensee: Virginia Electric and Power Company
 Richmond, VA 23261

Facility Name: North Anna

Docket No. 50-404

License No. CPPR-114

Inspection at North Anna site near Mineral, Virginia

Inspector: *T. E. Conlon* for 9-9-82
 N. Merriweather Date Signed

Approved by: *T. E. Conlon* 9-9-82
 T. E. Conlon, Section Chief Date Signed
 Engineering Inspection Branch
 Division of Engineering and Technical Programs

SUMMARY

Inspection on August 30 - September 2, 1982

Areas Inspected

This routine, unannounced inspection involved twenty-three inspector-hours on site in the areas of receipt inspection, storage preventive maintenance, measuring and test equipment calibration, and followup on licensee identified items.

Results

Of the five areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *E. R. Bane, Project QA Manager
- *L. Carter, QC Engineer
- *D. K. Duncan, Senior Resident Engineer
- *A. W. Knagy, Supervisor Materials Manager
- F. B. Matthey, QC Inspector
- P. E. Quarles, QC Inspector
- *L. L. Spain, Site Project Engineer

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on September 2, 1982, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspection findings.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection Effort (92706) - Unit 3

a. Procedure Examined

- (1) CQCI 4.1, R4, Field Procurement and Review of Purchase Orders
- (2) CQCI 7.1, R3, Receiving Inspection
- (3) CQCI 7.1.1, R4, Preparation of the CQC Receiving Inspection Report
- (4) CQCI 8.1, R2, Identification and Control of Material Parts and Components for Construction
- (5) CQCI 10.0.1, R1, Surveillance Inspection
- (6) CQCI 12.1, R3, Control and Calibration of Measuring and Test Equipment
- (7) CQCI 12.2, R0, Cable Termination Tool Control

- (8) CQCI 12.2.1, R0, Cable Termination Tool Requalification
- (9) CQCI 13.1, R4, Storage of Material and Equipment
- (10) CQCI 13.1.2, R2, Storage Inspection and Documentation
- (11) CQCI 15.1, R5, Nonconformance and Disposition Reporting and Processing

b. Receiving Inspection, Storage, and Maintenance

The inspector examined the level A and B storage warehouses (5 and 6), and level D laydown areas. Random items selected in these areas were found stored in their proper environment as described by specification number NAS53363 or by Babcock and Wilcox "Long Term Storage Manual". The subject storage facilities were examined for proper controlled access, that protection from damage during storage was adequate, cleanliness, proper stacking and cribbing of items, proper use of dessicant humidity indicators and purging systems for required equipment.

The inspector examined the warehouse storage inspection reports performed by QC for the period January 1982 through August 1982, to determine whether the required inspections had been scheduled and performed in accordance with procedure CQCI 13.1.2.

The inspector selected safety-related components from level A, B and D storage areas to review the preventive maintenance inspection documentation maintained in the QC records vault. The records were examined for the period January 1982 through August 1982, to determine whether the required maintenance had been scheduled and performed in accordance with procedure CQCI 13.1.7. The following is a listing of the components reviewed:

- (1) Main Control Board, Section 4-4
- (2) Auxiliary Feedwater Pump Motor Nos. 4AF-P2A, 4AF-P2B, 3AF-P2B and 3AF-P2A.
- (3) Limit torque Operated Valves Nos. 3DHP-MOV 304C and 3DHP-MOV7B
- (4) Electrical Penetrations Nos. III 4C-2, III 4B-1, and III 5B-3
- (5) Reactor Pressure Vessel No. 3RC-Rev-1

The inspector also reviewed the receiving inspection reports, shipping releases, certificates of compliance, and material test reports for the equipment identified above to assure compliance with procedure CQCI 7.1.

c. Control of Measuring and Test Equipment

The inspector toured the site calibration facility and discussed site procedures for the control and calibration of measuring and test equipment with the QC technician responsible for the calibration of equipment. The inspector determined that the QC technician was knowledgeable of the procedures and had several years of experience in this area.

Within the area examined, no violations or deviations were identified.

6. Licensee Identified Items

(Closed) 50-404/CDR 79920, "Casting Defect In The Shaft Bearing Housing" (10 CFR 50.55(e)). The final report was submitted on September 22, 1981. The report has been reviewed and determined to be acceptable. The inspector held discussions with responsible licensee representatives, reviewed supporting documentation, and observed representative samples of work to verify that the corrective actions identified in the report has been completed. The casting defects were identified in auxiliary feedwater pump motors 3AF-P2A, 3AF-P2B, 4AF-P2A and 4AF-P2B and documented by nonconformance reports 4-0048/1 and 3-0033. The pump motors were sent back to Westinghouse for repair. Westinghouse repaired the pump motors lower reservoir housings. The licensee's QC representatives inspected the repairs and found them acceptable. The motors were reassembled and shipped back to the site. This item is closed.