



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

Report Nos. 50-400/82-34 and 50-401/82-34

Licensee: Carolina Power and Light Company  
411 Fayetteville Street  
Raleigh, NC 27602

Facility Name: Shearon Harris

Docket Nos. 50-400 and 50-401

License Nos. CPPR-158 and CPPR-159

Inspection at Shearon Harris site near Raleigh, NC

Inspector: N. Merriweather 10-22-82  
N. Merriweather Date Signed

Approved by: T. E. Conlon 10-22-82  
T. E. Conlon, Section Chief Date Signed  
Engineering Inspection Branch  
Division of Engineering and Technical Programs

SUMMARY

Inspection on October 12-15, 1982

Areas Inspected

This routine, unannounced inspection involved 24 inspector-hours on site in the areas of electrical components and systems work and work activities, electrical components and systems quality records, and followup on previous inspection item.

Results

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

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*A. Cockerill, Principal Electrical Engineer
- \*G. L. Forehand, Director QA/QC
- \*L. T. King, Senior Engineer
- \*B. Seyler, Principal Civil Engineer
- \*G. M. Simpson, Principal Construction Specialist
- \*D. C. Whitehead, QA Supervisor

Other licensee employees contacted included construction craftsmen and QA/QC technicians.

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on October 15, 1982, with those persons indicated in paragraph 1 above. The licensee was informed of the inspection finding listed below. The licensee acknowledged the inspection findings with no dissenting comments.

Inspector Followup Item 400/82-34-01, Review Seismic Test Reports for Transfer Panels 1A-SA, 1B-SB, and Containment Fan Coolers AH-1, AH-2, AH-3, and AH-4.

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Electrical (Components and Systems II) - Observation of Work and Work Activities (51054B) - Unit 1

The inspector selected the following safety related electrical components for examination:

- a. Transfer Panels 1A-SA and 1B-SB (Purchase Order (P.O.) Number NY-435081)
- b. Containment Fan Coolers AH-1, AH-2, AH-3, and AH-4 (P.O. No. NY-435149)
- c. Containment In-Line Fans (P.O. No. NY-435105)

- d. 8" Motor Operated Butterfly Valves 3SW-B72SB-1 and 3SW-B73SB-1
- e. 8" Motor Operated Gate Valves 2CS-V588SB-1, 2CS-V587SA-1, and 2CS-V589SA-1.

The electrical components identified above were inspected to determine if NRC requirements and SAR commitments are being accomplished in the areas of receipt inspection/acceptance requirements, storage, maintenance, identification, protection, cleanliness, and nonconformance control. The inspector also toured the powerhouse and observed the installation of the components identified in paragraphs 5.a, 5.d, and 5.e above for proper location and separation.

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

- 6. Electrical (Components and Systems II) - Review of Quality Records (51056) - Unit 1

The inspector reviewed the receipt inspection reports, quality releases, certificates of conformance and storage records for the electrical components identified in paragraphs 5.b through 5.e above to ascertain whether these records are in conformance with NRC requirements and SAR commitments in the areas of receipt inspection, material certification, storage, and identification. The inspector reviewed the work package covering the installation of transfer panels 1A-SA and 1B-SB. The inspector requested the seismic test reports on the equipment identified in paragraphs 5.a and 5.b to determine if the installation requirements specified are consistent with the way the equipment was tested. The seismic test reports were not available at the site for review. Therefore, this item was identified to the licensee as inspector followup item 400/82-34-01, Review Seismic Test Reports for Transfer Panels (1A-SA and 1B-SB) and Containment Fan Coolers (AH-1, AH-2, AH-3, and AH-4).

- 7. Inspector Followup Item (IFI)

(Closed) IFI 400/82-27-02 and 401/82-27-01, Inspection of Cable Tray Splice Plate Bolts. The NRC inspector reviewed a draft of revision 4 to Technical Procedure No. TP-42 which revised the sampling program for cable tray bolt torquing inspection. The construction inspectors will sample ten percent or at least two bolts for each connection for design torquing of  $25 \pm 5$  foot pounds. If any of the inspected bolts fails, the cable tray card will be returned to the craft and retorquing will be required for all connections of cable trays associated with that card.