



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

Report Nos. 50-327/79-32 and 50-328/79-17

Licensee: Tennessee Valley Authority  
- 500A Chestnut Street  
Chattanooga, Tennessee 37401

Facility Name: Sequoyah Nuclear Plants, Unit 1 and 2

Docket Nos. 50-327 and 50-328

License Nos. CPPR-72 and CPPR-73

Inspection at Sequoyah Site near Chattanooga, Tennessee

Inspector: A. B. Ruff 7-10-79  
A. B. Ruff Date Signed

Accompanying Personnel: Luis Soto, Mexican National Nuclear Safety and  
Safeguards Commission

Approved by: T. E. Conlon 7-10-79  
T. E. Conlon, Section Chief, RCES Branch Date Signed

SUMMARY

Inspection on June 19-22, 1979

Areas Inspected

This routine, unannounced inspection involved 23 inspector-hours onsite in the areas of installation and review of records for safety-related electrical cables; nonconformance reports for safety related electrical cables; in-place storage and records for electrical motors, and fire suppression equipment.

Results

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

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## DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*G. G. Stack, Project Manager, Construction (Const.)
- \*G. B. Lubinski, Electrical Engineer Unit (E.E.U.) Supervisor, Const.
- \*A. Greer, EEU Group Leader, Const.
  - L. Seller, EEU Engineer, Const.
  - D. Maxwell, EEU Engineer, Const.
  - S. Given, EEU Group Leader, Const.
  - T. Hopper, EEU Engineer, Const.
  - K. White, EEU Engineer, Const.
  - E. Craigge, Safety Engineer, Department of Power Production

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on June 22, 1979, with those persons indicated in Paragraph 1 above.

### 3. Licensee Action on Previous Inspection Findings

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Independent Inspection (Units 1 and 2)

Fire extinguishers in various areas of the construction site were checked. The safety seals on the extinguishers were intact and pressure gages indicated that unit had the proper charge. Sequoyah Nuclear Plant is in the process of replacing fire extinguishers with a new type as designated by Engineering Design Change Notice 2226.

The in-place storage and maintenance records for 6 electrical motors (Containment Spray Pump Motors 2B-B and 2A-A, Residual Heat Removal Pump Motor 2B-B, Safety Injection Pump Motor 2A-A, Charging Pump Motor 2B-B, and Auxiliary Feedwater Pump Motor 2A-A) were examined. TVA's Construction Procedure P-6, "Preventive Maintenance for Permanent Equipment", and Inspection Instruction 32, "Inspection of Material in Storage" were used in this examination.

Within the areas examined, no items of noncompliance or deviations were identified.

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

The inspector selected Containment Cooling Fan Motor (1MTRB-30-74A) for a record review in the areas of installation inspection and in-place storage. TVA's Inspection Instruction (II)-36, "Orientation and Alignment", II-12, "Insulation Level Inspection of Equipment Rated Under 500 Volts", and II-32, "Inspection of Materials in Storage" were used in this record review.

Within the areas examined, no items of noncompliance or deviations were identified.

7. Electrical (Cables and Terminations I) - Observation of Work and Work Activities and Review of Quality Records (Unit 2)

The inspector selected safety related cables, numbers 2PP 780 A, 2PP 637 B, 2PP 650 A, 2PL 1080 B, 2PL 4675 B, and 2PL 4820 A, for a physical examination and record review. These cables were examined in the areas of storage, protection, handling, nonconformance control, issue of specified material, receipt inspection including material certification, installation and installation inspection, cable and raceway identification, raceway loading and grounding to ensure procedures were being followed. Since cable terminations were still being performed, terminations and nondestructive tests on all of the cables were not complete. The procedures used in this examination were II-30, "Receipt Inspection", II-10, "Interconnecting Cable Termination and Insulation Inspection", II-28, "Cable Pulling Inspection Construction Procedure (CP) P-2, Handling Nonconformances", and CP-P-24, "Inspection and Test Status".

Seven nonconformance reports (NCR 1324, 1382, 1495, 1498, 1663, 1693 and 1694) relating to cable installation were reviewed for current status, legibility, retrievability and completeness. Construction Procedure (CP) P-2, "Handling of Nonconformances" was used in this review. One QA audit (SN-E-78-04) associated with electrical cable installation was reviewed to ensure audits were being performed and that corrective action including actions to prevent repetition were being accomplished.

Within the areas examined, no items of noncompliance or deviations were identified.