



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

JAN 4 1980

Report Nos. 50-327/79-67, 50-328/79-34

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

Facility Name: Sequoyah Nuclear Plant Units 1 and 2

Docket Nos. 50-327, 50-328

License Nos. CPPR-72, CPPR-73

Inspection at Sequoyah Site near Chattanooga, Tennessee

Inspector: T. D. Gibbons 12/31/79  
T. D. Gibbons Date Signed

Approved by: T. E. Conlon 1-2-80  
T. E. Conlon, Chief, RC&ES Branch Date Signed

SUMMARY

Inspection on December 4-7, 1979

Areas Inspected

This routine, unannounced inspection involved 30 inspector-hours onsite in the areas of electrical work, work activities and quality records, inspector followup item.

Results

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

8008120246

## DETAILS

### 1. Persons Contacted

#### Licensee Employees

- G. G. Stack, Project Manager
- \*G. B. Lubinski, Supervisor Electrical Engineering Unit
- \*J. E. Wilkins, Construction Engineer
- \*R. Bruce, Engineer Construction QA

Other Licensee employees contacted 10 construction craftsmen.

#### NRC Resident Inspector

W. T. Cottle

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on December 7, 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 Effort (Units 1 and 2)

The inspector conducted a two hour backshift inspection examining the safety-related instrumentation installation in the Auxiliary Building. Several firestop penetrations were examined between the spreading room and the turbine building to assure there were no breeched seals.

Within the areas examined there were no items of noncompliance identified.

### 6. Electrical (Components and Systems II) - Observation of Work and Work Activities (Unit 2)

The following electrical equipment was selected for examination:

- a. 120 Volt Batteries 0-BATB-249-QK-T and 0-BATB-249-QX-T
- b. 120 Volt Vital Battery Boards 0-BDE-249-KC-T and 0-BDG-249-KH-T

- c. Emergency Raw Cooling Water (ERCW) Pump Motors 0-MTRB-67-440B and 0-MTRB-67-444B
- d. Component Cooling Pump Motors 2-MTRB-70-59A, 2MTRB-70-33B and 0-MTRB-70-51T
- e. Motor Operators for the following Valves 1-FCU-67-490A-B, 1-FCU-67-490D-B, 2-FCU-67-490A-B 2-FCU-67-490D-B, 1-FCV-67-489B and 2-FCU-67-489B
- f. 120 V Battery Chargers 0-CHGB-249-QK-T 0-CHGB-249-QG-T, 0-CHGB-249-QH-T
- g. 120 V Vital Invertors 2-INVB-250-QS-T, 2-INVB-250-QU-T
- h. 120 V AC Vital Instrument Power Boards 2BDE-250-NH-T, 2BDE-250-NK-T
- i. 480VAC Transfer Switches 0-XSW-249-DO/10A and 0-XSW-249-DQ/11A

The above items were inspected to assure that the requirements of the QAM and contract specification were met in the areas of receiving inspection, identification, installation procedures, inspection, nonconformance control, protection, cleanliness, calibration and trip setting (as required), separation, redundancy and procedure revision control.

Within the areas examined there were no items of noncompliance identified.

7. Electrical (Components and Systems II) - Review of Quality Records (Unit 2)

The inspector selected the five motors listed in Paragraphs 6c and 6d and the six motor operators identified in paragraph 6e for a quality records review. The records were examined to assure that the requirements of the QAM were complied with in the areas of receiving inspection, vendor certified tests, source inspection reports, storage, handling, storage inspections, cleanliness, installation of specified component installation inspection and post installation protection.

Within the areas examined there were no items of noncompliance identified.

8. Electrical (Components and Systems I) - Review of Quality Records (Unit 2)

The following electrical equipment was selected for a quality records review:

- a. Diesel Generator 2A-A
- b. 6900V Shutdown Board 2A-A
- c. Load Center 2A2-A
- d. Ventilation Board 2A2-A
- e. Ventilation Board 2A2-A
- f. Reactor Motor Operated Valve Board 2A1-A
- g. Reactor Motor Operated Valve Board 2A1-A

The records were reviewed to assure that the requirements of the QAM and the contract specifications were met in the areas of receiving inspection, vendor testing, vendor certifications, source inspections, use of specified item, installation inspections and post installation protection. Fifteen nonconformance reports (NCR) were selected for examination to assure that the requirements of the QAM procedures were complied with in the areas of legibility, completeness, corrective action, retrievability and that the required QC and management reviews were completed. The NCR's selected were 1845, 1968, 1973, 1963, 1962, 1951, 1940, 1924, 1911, 1910, 1914, 1905, 1877, 1869, and 1857. The inspector examined QA audits SN-E-79-02, SN-E-79-03 and SN-E-79-04 to assure that the required audits were performed, that the deficiencies were corrected and that nonrecurrences action was included.

Within the areas examined there were no items of noncompliance identified.

9. Inspector Followup Item

(Closed) Inspector Followup Item 327/79-60-01 Insufficient circuit separation. The licensee has issued revision 4 of the Fire Protection Review which corrects the wording on Table 1.2. The licensee provided the inspector with a listing of the cables in the train trays to prove that there were no redundant A cables within the required twenty foot separation.

The inspector has no further questions. The item is closed.