



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

Report Nos. 50-327/79-60 and 50-328/79-29

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

Facility Name: Sequoyah Nuclear Plant, Units 1 and 2

Docket Nos. 50-327 and 50-328

License Nos. CPPR-72 and CPPR-73

Inspector: T. D. Gibbons

11-15-79  
Date Signed

Approved by: T. E. Conlon  
T. E. Conlon, Section Chief, RCES Branch

11-16-79  
Date Signed

SUMMARY

Inspection on October 9-12, 1979

Areas Inspected

This routine announced inspection involved 32 inspector-hours on site in the areas of fire protection review circuit relocations instrumentation work and work activities.

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, Construction Project Manager  
\*J. M. Munns, Supervisor Construction QA Unit  
\*G. B. Lubinski, Supervisor Electrical Engineering Unit  
\*J. R. Smith, Electrical Engineer  
\*C. M. Lowe, Supervisor Instrumentation Engineering Unit  
\*J. E. Wilkins, Construction Engineer  
W. Andrews, Power Production QA Supervisor

Other licensee employees contacted included five construction craftsmen, and three operators.

#### NRC Resident Inspector

W. T. Cottle  
\*S. D. Butler

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on October 12, 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 three hour backshift inspection of cable installation in Unit 1 examining the Flamastic 77 fire retardant installation. The inspector examined the 6900 volt switchgear and 480V shutdown boards installed in Unit 2. The control boards for Unit 2 were examined.

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

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6. Fire Protection Plan Circuit Relocation

a. Certrifugal Charging Pumps (Unit 1 and 2)

The licensee has completed the relocation of the following circuits 1PL4742B, 1PL4743B, 1PL4748B, 2PL4742B, 2PL4743B and 2PL4748B as required by drawing 45N824-1, Revision 24. This drawing was issued on engineering change notice (ECN) 2461. The work had been inspected by the licensee QC and accepted. The licensee commitments are identified in Table 1.2 of Revision 3 of the Fire Protection Review. The installation was inspected to assure that the minimum twenty feet separation was achieved. It was noted that a fire resistive wall was installed between the A and B pumps.

b. Reciprocal Charging Pump (Unit 1)

The licensee has relocated the following circuits 1PL5025, 1PL5026, 1PL3021 and 1PL3023. This work was included in ECN 2361 and Drawing 45N822-1 Revision 14, 45N822-6 Revision 23, 45N822-7 Revision 26, 45N826-Z Revision 15, 45N826-9 Revision 27, 45N828-2 Revision 24 and 45N828-8 Revision 20. The installation was examined to assure compliance with the resolution listed in Table 1.2 of Revision 3 of the Fire Protection Review. The resolution requires that the circuits maintain a minimum of 20 feet separation from Train A. The inspector identified that circuit 1PL5025 crosses about six inches above a A Train tray. This installation is installed in conformance to the design drawings. The design drawings did not implement the resolution. The licensee contacted design engineering at Knoxville to try to get a clarification of the ECN intent. Design engineering stated that the word redundant is omitted from the Resolution and will be corrected in revision 4. Design Engineering stated that there are no redundant A train cable relative to the B train for the reciprocal charging pump and the design drawings do not reflect a separation problem.

Design stated that revision four of the fire protection review will correct this item. This item is an Inspector Followup Item. This item will be identified as 327/79-60-1 Insufficient Circuit Separation.

Other than the Inspector Followup Item identified above there were no items of noncompliance identified.

7. Instrumentation (Components and Systems)

Observation of Work and Work Activities (Unit 2)

The inspector selected three instruments which were being installed to assure that the requirements of the QAM and drawing 47W600-132 Revision 4 were being complied with in the areas of piping installation, mounting and protection. The instruments selected were 2F1S-70-81, 2FT-70-81B on panel 2L-390 and 2FT-70-81B-A on panel 2L289. The licensee engineer noted

that the sensing lines to panel 2L-290 were not routed as shown on the weld map and there was an apparent channel conflict between the panels. The licensee noted that the installation was in work and had not been inspected by QC. The licensee has initiated Work Release R6819 to rework the sense lines. This will be an inspector followup item pending the correction of the sensing lines. The item will be identified as 328/79-29-01 sensing line separation.

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

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