



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

Report Nos.: 50-438/83-01 and 50-439/83-01

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

Docket Nos.: 50-438 and 50-439

License Nos.: CPPR-122 and CPPR-125

Facility Name: Bellefonte 1 and 2

Inspection at Bellefonte site near Scottsboro, Alabama

Inspector: N. Merriweather
N. Merriweather

1-31-83
Date Signed

Approved by: T. E. Conlon
T. E. Conlon, Section Chief
Engineering Program Branch
Division of Engineering and Operational Programs

1-31-83
Date Signed

SUMMARY

Inspection on January 11-14, 1983

Areas Inspected

This routine, unannounced inspection involved twenty-four inspector-hours on site in the areas of receiving and storage, installation of fire stops, instrumentation components and systems work and work activities, and instrumentation components and systems review of quality records.

Results

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

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *D. R. Bridges, Assistant Construction Engineer
- *J. C. Brown, QC Staff
- *L. S. Cox, Project Manager
- *B. A. Fischer, QC Records Unit Supervisor
- *D. A. Freeman, Electrical Engineering Unit Supervisor
- *F. E. Gilbert, Construction Engineer
- *F. J. Huffman, Assistant Construction Engineer, Electrical
- *W. L. McCollum, Instrumentation Engineering Unit Supervisor

NRC Resident Inspector

- *J. D. Wilcox

- *Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on January 14, 1983, 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 (92706B)

The inspector toured storage warehouses HL, HK, HM and HN. The storage warehouses were examined to determine compliance with NRC requirements and SAR commitments in the areas of receipt and storage of safety-related equipment and materials. The inspector observed that access to the warehouses was controlled, environmental conditions and housekeeping were adequate, equipment was properly stacked, cribbed, and protected from damage. While touring the warehouse storage areas the inspector selected Dow Corning Type 3-6548 (Lot Nos. EG072974 and QL052049) Silicone RTV Foam for review of QA documentation. The inspector verified that the receiving inspections had been performed and documented, the storage level was as specified or better, and finally that the materials were being monitored for shelf life. This was accomplished by reviewing the receiving inspection checklists, material certifications and interviewing the engineer in charge of fire stop installations.

The inspector reviewed the warehouse inspection checklists for the warehouse storage areas identified above for the period October 1982 through December 1982. These records were found to be acceptable.

The inspector observed the installation of a fire stop in the control rod drive bus duct located in the control building on elevation 590, column C3, N-line. The installation was found to be in accordance with TVA Drawing No. 5GW0850-RJ-2, R2, FCR No. E-2794 and QCP 3.5. The inspector also verified that the material had been receipt inspected and certified for use by construction.

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

6. Instrumentation (Components and Systems I) - Observation of Work and Work Activities (52053B) - Unit 1

a. Documents Examined

1. DRW No. 5RW0915 - IO - 5 - 1
2. DRW No. 5RW0915 - IO - 4 - 1
3. DRW No. 5AW0915 - IO - 90 - 1
4. DRW No. 5DW0915 - IO - 01 - 1
5. DRW No. 5RW0915 - IO - 2 - 1
6. DRW No. 5RW0915 - IO - 3 - 1
7. DRW No. 5RW0915 - IO - 6 - 1
8. DRW No. 5RW0915 - IO - 1 - 1
9. QC Procedure No. QCP 2.8, R10
10. QC Procedure No. QCP 3.13, R4

b. Field Inspection

The inspector selected safety-related instrument panels 1IX-ILPR-001-D, 1IX-ILPR-003-F, 1IX-ILPR-002-A, 1IX-ILPR-004-E, 1IX-ILPR-006-G, 1IX-ILPD-001-A, 1IX-ILPA-090-B, and 1IX-ILPR-005-B for examination. These panels were inspected to determine compliance with as-built drawings and equipment installation procedures. The instrument panels were observed to be fabricated in accordance with the as-built drawings identified in paragraph 6.a. The inspector observed that the panels and instruments were properly identified, the tubing was routed correctly, and the instruments were mounted in the correct configuration on the panels. The inspector also examined the mounting of the instrument panels and observed that the panels were electrically grounded, located, and anchored to the floor in accordance with the requirements of QC procedures QCP 2.8 and QCP 3.13.

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

7. Instrumentation (Components and Systems I) - Review of Quality Records (52055B) - Unit 1

The inspector selected the first seven instrument panels identified in paragraph 6.b to perform a QA records review in the areas of receipt inspection, storage and installation. The inspector reviewed the receiving inspection checklists and quality releases to verify that the instrument panels were first source inspected for compliance to the specifications, and secondly, were inspected upon receipt at the site for shipping damage and compliance with the drawings. The records confirm that the instrument panels met the contract requirements. The records also showed that the instrument panels were adequately stored and properly identified. The installation test records (test 56) were reviewed to confirm that the required inspections were performed, the correct instrument panels were installed in the proper location, and the panels were adequately anchored and braced.

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