



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

Report Nos.: 50-438/78-15 and 50-439/78-15

Docket Nos.: 50-438 and 50-439

License Nos.: CPPR-122 and CPPR-123

Categories: A2 and A2

Licensee: Tennessee Valley Authority
830 Power Building
Chattanooga, Tennessee 37401

Facility Name: Bellefonte Nuclear Plant Units 1 and 2

Inspection at: Scottsboro, Alabama

Inspection conducted: August 7-9, 1978

Inspectors: T. D. Gibbons
J. W. Cameror (Training)

Reviewed by: J. C. Bryant, Chief
Engineering Support Section No. 1
Reactor Construction and Engineering
Support Branch

8/28/78
Date

Inspection Summary

Inspection on August 7-9, 1978 (Report Nos. 50-438/78-15 and 50-439/78-15)

Areas Inspected: Licensee identified item, procedures fire protection/prevention, electrical QC implementing procedures, electrical work and quality records. The inspection involved 22 inspector-hours by one NRC inspector.

Results: There were no items of noncompliance or deviations identified.

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DETAILS I

Prepared by:

J. D. Gibbons

T. D. Gibbons, Electrical Engineer
Engineering Support Section No. 1
Reactor Construction and Engineering
Support Branch

8/28/78
Date

Dates of Inspection: August 7-9, 1978

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J. C. Bryant

J. C. Bryant, Chief
Engineering Support Section No. 1
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1. Persons Contacted

Tennessee Valley Authority

W. W. Aydelott, Project Manager
B. J. Thomas, Assistant Construction Engineer
F. J. Huffman, Assistant Construction Engineer
S. A. Byers, QC Records Unit Supervisor
D. A. Freeman, Electrical Engineering Unit Supervisor
J. T. Barnes, Supervisor, QA Staff

The above were also present at the exit interview.

2. Licensee Actions on Previous Inspection Findings

The licensee actions on previous inspection findings were not reviewed during this inspection.

3. Unresolved Items

There were no new unresolved items identified during this inspection.

4. Independent Inspection Effort

The inspector conducted a walk through inspection examining the electrical raceway installation. The inspector examined the raceway in the control building, spreading room, and turbine area. The inspector observed portions of the control room equipment.

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

5. Licensee Identified Items

(Closed) 78-03-01: Deficient Electrical Cable. The licensee has submitted a final report on the cable. The inspector reviewed the licensee's report. The inspector has no further questions.

6. Electrical (Cables and Terminations) Review of Quality Assurance
Implementing Procedures (Units 1 and 2)

The inspector reviewed the Penetration Fire Stop and Pressure Seal procedure BNP-QCP 3.5 Revision 0. The procedure defines the methods of installation and inspection of the penetration seals and fire stops. The procedure includes the testing of the silicone foam prior to installation. The procedure conforms to the requirements of the FSAR.

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

7. Procedures Fire Prevention/Protection (Units 1 and 2)

The licensee has approved the Division of Construction Fire Plan as the project's fire plan. The plan includes a fire prevention procedure which controls the storage, handling and use of flammable materials, combustible materials and control of ignition sources in areas containing flammable materials. The Public Safety Service (PSS) has been assigned the fire suppression activities which is using the fire plan, and National Fire Prevention Association (NFPA) Fire Codes for the use, testing and identification of fire suppression and auxiliary equipment. The PSS has written plans for supervision, action plans and communications during site firefighting activities. The licensee has approved the Division of Construction Fire Plan which will be controlled under the site procedure control system for revision, approval and distribution. The inspector observed two welding operations and one flame cutting operation to assure that the site procedures were being followed.

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

8. Electrical (Components and Systems I) Observation of Work and Work
Activities (Unit 1)

The inspector selected the following equipment for an examination of

work to assure that the FSAR requirements were completed:

- a. Emergency Diesel Generator 1B
- b. 6900 Volt Switchgear 1ET1-B
- c. 480 Volt Load Centers 1EX-2B, 1ET-2B and 1EX1-B
- d. 480 Volt Motor Control Centers 1E1-B, 1E2-B and 1E3-B

The equipment was examined to assure that receiving inspection, storage, handling, identification, and storage inspection requirements were complied with. The control of nonconformances was reviewed to assure that the requirements for segregation and identification of nonconforming material were complied with.

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

9. Electrical (Components and Systems II) Review of Quality Records
(Unit 1)

The inspector selected the equipment identified in paragraph 8 for a quality records review to assure that the FSAR requirements were being followed in the areas of receipt inspection and material certification. The inspector selected ten nonconformance reports (NCR) as follows: 771, 772, 815, 822, 836, 810, 834, 839, 863 and 832. The above NCRs were reviewed to assure that current status, QC review and that they were retrievable. The NCRs contained corrective action and the present status. The inspector selected two QA audits to assure that the required audits were performed, the deficiencies were corrected and that nonrecurrence actions were defined.

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

10. Exit Interview

The inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on August 9, 1978. The inspector summarized the findings of the inspection as follows:

1. (Closed) Licensee Identified Item 78-03-01
2. Procedures, Fire Prevention/Protection

3. Electrical QC Implementing Procedures
4. Electrical Work Observation
5. Electrical Quality Records Review

There were no items of noncompliance identified.