



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

Report Nos. 50-390/79-21 and 50-391/79-17

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

Facility Name: Watts Bar Nuclear Plant, Units 1 and 2

Docket Nos. 50-390 and 50-391

License Nos. CPPR-91 and CPPR-92

Inspection at Watts Bar Site near Spring City, Tennessee

Inspector: *J.C. Bryant* 5/11/79  
A. B. Ruff Date Signed

Accompanying Personnel: M. Thomas

Approved by: *J.C. Bryant* 5/11/79  
J. C. Bryant, Section Chief, RC&ES Branch Date Signed

Inspection on April 24-27, 1979

Areas Inspected

This routine unannounced inspection involved 27 inspector hours onsite in the areas of in-place storage and records for electrical motors, installation of and records for instrumentation components.

Results

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

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## DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*T. B. Northern, Project Manager
- \*W. C. English, Assistant General Construction Superintendent
- \*R. L. Heatherly, Supervisor, QC and R Unit
- \*A. W. Rogers, Supervisor, QA Unit
- \*T. Hayes, Supervisor, Instrumentation Engineering Unit
- \*R. W. Forsten, Group Leader, Instrumentation Engineering Unit
- C. Shelby, Group Leader, Instrumentation Engineering Unit
- A. Slate, Engineer, Instrumentation Engineering Unit
- R. Morris, Engineer, Instrumentation Engineering Unit
- \*J. H. Perdue, Supervisor, Electrical Engineering Unit
- \*R. D. Anderson, Group Leader, Electrical Engineering Unit

#### NRC Resident Inspector

- \*B. J. Cochran

\*Attended exit interview.

### 2. Exit Interview

The inspection scope and findings were summarized on April 27, 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)

In-place storage and periodic maintenance records for electrical motors were examined. The specific storage and maintenance requirements are specified on TVA form "Rotating Equipment Storage and Periodic Maintenance Record" as required by TVA Quality Control Procedure (QCP) 3.1, "Handling, Storage, and Maintenance of Permanent Electrical and Instrumentation Material". Visual examination showed that applicable motors had heat applied to the windings as designated on records and that motors

were protected from work activities. The records also showed that periodic meggering and shaft rotation had been accomplished. The motors examined were for the following pumps:

<u>Motor Number</u>	<u>Description</u>
1-MTR-3-118-A	Auxiliary Feedwater Pump
1-MTR-3-128-B	Auxiliary Feedwater Pump
2-MTR-3-118-A	Auxiliary Feedwater Pump
2-MTR-3-128-B	Auxiliary Feedwater Pump
0-MTR-70-51-S	Component Cooling Pump
1-MTR-62-104-B	Charging Pump
0-MTR-31-80/2-A	Chiller Compressor Pump
0-MTR-78-9-B	Spent Fuel Pit Pump
0-MTR-78-35-S	Spent Fuel Pit Pump
2-MTR-70-131-A	Component Cooling Booster Pump
2-MTR-70-130-B	Component Cooling Booster Pump

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

6. Instrumentation (Components and Systems II) Observation of Work and Work Activities, and Review of Quality Records (Unit 1)

The following instruments were selected for examination:

<u>Instrument Number</u>	<u>Description</u>
0-PDT-67-431-A	Traveling Screen A-A Differential Pressure Transmitter (Essential Raw Water Cooling Systems)
1-PT-1-5-G	Steam Generator #1 Main Steam Header Pressure Transmitter
0-RE-90-122	Waste Disposal Liquid Radiation Monitor
0-RE-90-3	Waste Disposal Area Radiation Monitor

The instruments and their records were examined in the areas of receipt inspection, material certification, identification and location, storage, protection and handling, installation and calibration. Procedure used in this examination were QCP-1.6, "Receipt, Inspection, Storage and Withdrawal and Transfer of Permanent Material"; QCP-1.2, "Control of Nonconforming Items"; QCP-3.1, "Handling, Storage and Maintenance of Permanent Electrical and Instrumentation Material"; QCP 3.6, "Electrical and Instrumentation Equipment, Installation, Standard Tests, Inspections and Documentation."

Nonconforming condition reports 1429R, 1281B, 1212R, 1213R, 1225R were examined for current status, legibility, completeness, QC review and retrievability in accordance with requirements of QCP-1.2.

The qualification records of three QA & QC personnel were examined to assure that personnel were qualified for assigned duties and responsibilities and that these records were complete and up-to-date.

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