



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

Report No. 50-390/81-21

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

Facility Name: Watts Bar Nuclear Plant

Docket No. 50-390

License No. CPPR-91

Inspection at Watts Bar Nuclear Plant near Spring City, Tennessee

Inspectors:	<u>Frank Jape</u>	<u>10/21/81</u>
	for R. L. Fiedler	Date Signed
	<u>Frank Jape</u>	<u>10/21/81</u>
	for M. Thomas	Date Signed
Approved by:	<u>Frank Jape</u>	<u>10/21/81</u>
	F. Jape, Section Chief	Date Signed
	Engineering Inspection Branch	
	Engineering and Technical Inspection Division	

SUMMARY

Inspection on October 6-9, 1981

Areas Inspected

This routine, unannounced inspection involved 48 inspector-hours on site in the areas of preoperational test procedure review and 10 CFR 50.55(e) items.

Results

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

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *R. L. Lewis, Acting Plant Superintendent
- *J. E. Cross, Assistant Plant Superintendent
- *J. E. Wilkins, Construction Project Manager
- *R. W. Olson, Construction Engineer
- *H. J. Fischer, Assistant Construction Engineer
- *J. A. Thompson, Start-up Test & Coordination Unit Supervisor
- *L. J. Johnson, Mechanical Engineering Unit-B Supervisor
- *R. H. Smith, Assistant Preop Test Program Director
- *D. L. Lester, Nuclear Power Preop
- *T. Hayes, Instrumentation Engineering Unit Supervisor

Other licensee employees contacted included two construction craftsmen, two technicians, one operator and two office personnel.

Other Organizations

- *A. Hogarth, Westinghouse Project Manager

NRC Resident Inspectors

- *J. A. McDonald, Senior Resident Inspector
- *T. L. Heatherly, Resident Inspector

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on October 9, 1981 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. Pre-operational Test Procedure Review

The as-run copy of the following pre-operational test procedures were reviewed:

- a. W-3.1 A(1) SIS Integrated Flow Testing
- b. W-3.1D SIS Safety Injection Pump and Related Injection System Performance Test
- c. W-3.1E SIS - Residual Heat Removal Pump and Related Injection System Performance Test

The above test procedures were reviewed to verify the following:

- a. That data sheets were completed
- b. That test deficiencies identified were recorded
- c. That individual test steps and data sheets were properly initialed and dated.

Within the above areas inspected there were no violations or deviations identified. Data reduction and analysis had not been completed by the test engineer at the time of this inspection. Further review of the completed test package following final approval, by the licensee, of the test results need to be performed during a subsequent inspection.

6. Cold Hydro Test Procedure Review

Reactor coolant system cold hydrostatic test procedure WBNP - QCT 4.41 was reviewed by the two regional based inspectors and the resident and senior resident inspectors to determine its technical and administrative adequacy. The inspectors concluded that the procedure did not contain adequately detailed, step-by-step instructions; which are necessary to prevent, or reduce the likelihood of equipment damage during the performance of the hydrostatic test. This conclusion was brought to the attention of the licensee management during the exit meeting by the senior resident inspector. The licensee committed to revise the procedure and to make the revised procedure available to the resident inspectors for review prior to initiating the cold hydro test.

7. Licensee Identified Item (LII) 10 CFR 50.55(e)

(Open) LII 390/81-21-01 (NEB 8014) Possible Error in SIS Preoperational Test. The licensee reported this item to RII on November 24, 1980, and submitted a final report on March 17, 1981. The corrective action of the final report required, position verification of all check valves which must be closed for the test results to be valid. This action was not taken during the cold leg injection portion of W-3.1D SIS-Safety Injection Pump and Related Injection System Performance list. This item remains open and will be inspected during a subsequent inspection.