



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

Report No.: 50-390/79-03

Docket No.: 50-390

License No.: CPPR-91

Licensee: Tennessee Valley Authority
830 Power Building
Chattanooga, Tennessee 39401

Facility Name: Watts Bar 1

Inspection at: Watts Bar Site

Inspection Conducted: January 8-11, 1979

Inspectors: A. G. Wagner
E. J. Ford

Accompanying Personnel: None

Reviewed by: R. D. Martin
R. D. Martin, Chief
Nuclear Support Section No. 1
Reactor Operations and Nuclear Support Branch

1/18/79
Date

Inspection Summary

Inspection on January 8-11, 1978: (Report No. 50-390/79-03)

Areas Inspected: Routine, unannounced inspection to determine the status of the preoperational test program, preoperational test procedure preparation, preparations for receipt of fuel, and to review preoperational test procedures. A plant inspection involved 53 inspector-hours onsite.

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

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DETAILS I

Prepared by: *A. G. Wagner*
A. G. Wagner, Reactor Inspector
Nuclear Support Section No. 1
Reactor Operations and Nuclear
Support Branch

1/18/79
Date

E. J. Ford
E. J. Ford, Reactor Inspector
Nuclear Support Section No. 2
Reactor Operations and Nuclear
Support Branch

1/18/79
Date

Dates of Inspection: January 8-11, 1979

Reviewed by: *R. D. Martin*
R. D. Martin, Chief
Nuclear Support Section No. 1
Reactor Operations and Nuclear
Support Branch

1/18/79
Date

1. Persons Contacted

Tennessee Valley Authority

- *J. Groves, Plant Superintendent
- *C. Mason, Assistant Plant Superintendent
- S. Caruthers, Preoperational Test Director
- *M. Jones, Preoperational Test Supervisor
- G. Curtis, Preoperational Test Director
- E. McNair, Preoperational Test Director
- J. Cross, Results Supervisor
- J. Erpenbach, Reactor Engineer
- *R. Lewis, Operations Supervisor
- *B. Willis, Quality Assurance Staff Supervisor

*Denotes those present at exit interview.

2. Licensee Action on Previous Inspection Findings

None

3. Unresolved Items

None

4. Exit Interview

The exit interview was conducted at the conclusion of the inspection on January 11, 1979. The items in the following paragraphs were discussed.

5. Preoperational Testing

Preoperational procedure status and test schedule was discussed with licensee management personnel.

6. Preparations for Receipt of Fuel

The following procedures were reviewed for conformance to ANSI N45.2.2-1972.

a. TI-1 SNM Control and Accountability System, Approved 3/14/78

No Comments

b. TI-2 Initial Fuel Receipt and Storage, Approved 4/11/78

No Comments

c. FHI-1 Receiving, Inspection, and Storing New Fuel, Approved 9/13/78

(1) Appendix "A", attachments I and II are not issued and not available for review.

(2) The inspector noted that the procedure did not include all of the requirements or attributes listed in ANSI N45.2.2-1972 sections 5.2 and 6.2.

A licensee supervisory representative stated that these requirements would be reviewed and appropriate action taken. The inspector will review this item during a subsequent inspection. (390/79-03-01)

7. Preoperational Test Procedure Review

Preoperational test procedures were reviewed for conformance with Regulatory Guide 1.68, 1.108, FSAR Table 14.2-1, Operational Quality Assurance Manual part II, Section 4.1 and FSAR Sections 14.2 and 8.3

a. No deficiencies were noted during the review of the following procedure.

- (1) W-10.1A Spent Fuel Pit Leak Test
- (2) W-10.1B Spent Fuel Pit Cooling System
- (3) W-10.1C Spent Fuel Pit Cooling System Open Core Cooling
- (4) TVA-26A Compressed Air System
- (5) TVA-26B Auxiliary Air Compressors
- (6) TVA-43A 175 Ton Reactor Building Polar Crane
- (7) TVA-43B 125 Ton Auxiliary Building Crane
- (8) TVA-46 Primary Makeup Water System

b. During review of the following procedures the inspector identified items which must be resolved prior to implementation of these procedures.

- (1) ~~TVA~~-14D 125V DC Diesel Generator Battery System - Review Copy

FSAR Table 14.2-1 requires testing system capability to recharge the battery while supplying normal loads. The procedure does not check the charging time following a 2 hour A.C. power outage while supplying normal loads as described in the FSAR section 8.3. A licensee supervisory representative stated that these requirements would be reviewed and appropriate action taken. The inspector will review this item during a subsequent inspection.
(390/79-03-02)

- (2) TVA-14E Diesel Generator and Supporting Auxiliaries -Review Copy

(a) The procedure does not contain a preheat system test as required by FSAR Table 14.2-1.

(b) The heat run described does not meet the requirements of Regulatory Guide 1.108. The heat run described is for 24 hours at a load less than continuous rated load. The guide requires operation for 22 hours at continuous rated load followed by 2 hours at the 2 hour load rating.

A licensee supervisory representative stated that these requirements would be reviewed and appropriate action taken. The inspector will review this item during a subsequent inspection.
(390/79-03-03)

8. Plant Tour

The inspectors toured portions of Units 1 and 2 auxiliary buildings, reactor buildings, control bays, and diesel generator building. Housekeeping and general cleanliness were observed. No deficiencies were identified.