



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

Report Nos. 50-390/81-30 and 50-391/81-27

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

Facility Name: Watts Bar

Docket Nos. 50-390 and 50-391

License Nos. CPPR-91 and CPPR-92

Inspection at Watts Bar site near Spring City, Tennessee

Inspector: *R. V. Crlenjak* 1/7/82
 R. V. Crlenjak Date Signed

Approved by: *D. R. Quick* 1/7/82
 D. Quick, Section Chief, Division of Resident and Reactor Project Inspection Date Signed

SUMMARY

Inspection on December 14-18, 1981

Areas Inspected

This routine, announced inspection involved 44 inspector-hours on site in the areas of nonconforming condition report (NCR) review and licensee identified items.

Results

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

DETAILS

1. Persons Contacted

Licensee Employees

- *J. E. Wilkins, Project Manager
- L. Pauley, Assistant Operations Supervisor
- *J. W. Hayes, Instrumentation Supervisor
- *J. Trail, Construction Engineering Staff
- *D. Wilson, Construction Engineering Staff
- F. Butcher, Construction Engineer
- J. Collins, Instrument Engineer
- S. Stout, Engineer, ENDES
- D. Kulisek, Engineer, Nuclear Licensing Section
- B. Eltzroth, Systems Engineer, Westinghouse

Other licensee employees contacted included 5 engineers and 2 operators.

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on December 18, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve violations or deviations. New unresolved items identified during this inspection are discussed in paragraph 5.g.

5. Licensee Identified Items (LII's)

The inspector reviewed the status of the following LII's with site and ENDES personnel. The following licensee identified items have been reported to RII by TVA:

- a. (Closed) LII 390/80-27-02 - H2 Detection Systems (EEB 8003). The inspector reviewed the corrective actions specified on the final report and made a field check to verify completion of the work. Unit 1 work has been completed the Unit 2 item (391/80-21-02) will remain open until the corrective actions have been completed. This item is closed for Unit 1.

- b. (Open) LII 390/81-30-01, 391/81-27-01 - Seismic Analysis of Check Valve (CEB 8007). The inspector verified that the check valve was added to the analysis drawing, however, no certification was available from TVA indicating that no additional supports were required after the reanalysis. This item remains open.
- c. (Closed) LII 390/80-12-05; 391/80-09-05 - UHI Hydraulic Isolation Valve Accumulator Weighing Systems (NEB 8002). The inspector reviewed the corrective actions specified on the final report, made a field check to verify completion of the work and reviewed the appropriate procedure, SOI 87.1, to insure that the required change had been incorporated. This item is closed.
- d. (Closed) LII 390/81-30-02, 391/81-27-02 - Baseplate Program, Version One (CEB 8111). The inspector reviewed the corrective actions specified in the final report, including review of TVA memo stating that the two subject conditions which could have resulted in erroneous results were not in use for Watts Bar. This item is closed.
- e. (Open) LII 390/79-43-02, 391/79-36-02 - Control Rod Drop Events (MEB 79-7). The inspector reviewed the corrective actions specified in the final report. TVA submitted a letter, dated 11/30/81, indicating that the required changes had been incorporated in the appropriate plant procedure, GOI-5, however, review by the inspector revealed that, as of 12/18/81, the change had not been made. This item will remain open until the appropriate changes to plant procedures have been completed.
- f. (Closed) LII 390/79-43-03, 291/79-36-03 - Undetectable Failure of the Solid State Protection System P-4 Signal (NEB 79-5). The inspector reviewed the corrective actions specified in the final report. The specified changes to plant procedures, AOI-1, had been completed. This item is closed.
- g. (Closed) LII 391/81-27-03 - Lack of Westinghouse QA Review on Field Change Notice (NEB 8103). The inspector reviewed the corrective actions specified on the final report and made a field check to verify completion of the work. This item is closed as a licensee identified item, however, the inspector noted that adequate testing after modification may not be planned for all of the affected valves. Preoperational test W-10.8, step 5.9.24, requires leak rate tests for two (FCV 87-22 and FCV 87-24) of the four hydraulic isolation valves associated with the upper head injection (UHI) accumulators. However, no leak test is required of the two remaining valves (FCV 87-21 and FCV 87-23). The four valves were modified by the manufacturer because of problems with similar valves at another facility. Until TVA demonstrates the adequacy of their post-modification testing program for the valves listed above, this item is unresolved (391/81-27-04) "UHI Flow Control Valve Post-modification Tests".
- h. (Closed) LII 390/79-26-05 - Changing of Intermediate Break Locations of the Pressurizer Surge Line (CEB 79-25). The inspector reviewed the

corrective actions, revised drawings and work packages specified on the final report. The item has been completed for Unit 1. This item is closed for Unit 1.

- i. (Closed) LII 390/78-11-10, 391/78-09-08 - Zirconium - Water Reaction (MEB 1007). This item was reported for Sequoyah and was incorrectly opened for Watts Bar. This item is closed.
- j. (Closed) LII 390/81-30-03 - Failure of Outboard Bearing on Centrifugal Charging Pump Motor 1A-A (NCR-W-41-P). The inspector reviewed the corrective actions specified on the final report and made a field check to verify completion of the work. This item is closed.
- k. (Closed) LII 390/81-30-04 - Centrifugal Charging Pump 1A-A Impeller (NCR-W-40-P). The inspector reviewed the corrective actions specified on the final report and made a field check to verify completion of the work. This item is closed.

No violations or deviations were identified.