



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30323

Report No.: 50-414/85-27

Licensee: Duke Power Company
422 South Church Street
Charlotte, NC 28242

Docket No.: 50-414

License No.: CPPR-117

Facility Name: Catawba Unit 2

Inspection Conducted: July 22 - 26, 1985

Inspector:

for

M. Thomas

Frank Jape

8/6/85

Date Signed

Approved by:

F. Jape, Section Chief
Engineering Branch
Division of Reactor Safety

Frank Jape

8/6/85

Date Signed

SUMMARY

Scope: This routine, unannounced inspection entailed 37 inspector-hours on site in the areas of preoperational test procedure review, preoperational test witnessing, and Technical Specification review.

Results: No violations or deviations were identified.

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

W. F. Beaver, Performance Engineer
J. W. Cox, Technical Services Superintendent
*R. A. Jones, Test Engineer, Unit 2
*P. G. LeRoy, Licensing Engineer

Other licensee employees contacted included test coordinators, engineers, technicians, and operators.

NRC Resident Inspectors

*P. H. Skinner, Senior Resident Inspector, Operations

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on July 26, 1985, with those persons indicated in paragraph 1 above. The inspector described the areas inspected and discussed the inspection findings. No dissenting comments were received from the licensee. The licensee did not identify as proprietary any of the materials provided to or reviewed by the inspector during this inspection.

3. Licensee Action on Previous Enforcement Matters

This subject was not addressed in the inspection.

4. Unresolved Items

Unresolved items were not identified during the inspection.

5. Preoperational Test Procedure Review (70300, 70338, 70341) - Unit 2

The inspector reviewed the preoperational (preop) tests listed below to verify that they were consistent with applicable sections of FSAR Chapters 8, 9, 10, and 14; Safety Evaluation Report (SER) Supplement No. 4; Technical Specifications 3/4.8; Regulatory Guides 1.9, 1.41, 1.68, and 1.108. The following procedures were reviewed:

- TP/2/A/1100/02B, Diesel Generator 2B Preoperational Functional Test
- TP/2/A/1250/04, Auxiliary Feedwater System Functional Test

- TP/2/A/1400/07B, Diesel Generator 2B Cooling Water System Cold Functional Test
- TP/2/A/1400/12, Assured Source of Cooling Water to Suction of CA Pumps
- TP/2/A/1450/08B, Diesel Generator 2B Engine Starting Air System Cold Functional Test
- TP/2/A/1550/01B, Diesel Generator 2B Fuel Oil System Cold Functional Test
- TP/2/A/1700/01B, Diesel Generator 2B Lube Oil System Cold Functional Test

The procedures were reviewed for conformance to administrative controls. This included verifying that pertinent prerequisites were identified, initial test conditions and acceptance criteria specified, the required reviews were performed, and management approval was indicated.

No violations or deviations were identified in the areas inspected.

6. Preoperational Test Witnessing (70312, 70438, 70441) - Unit 2

The inspector witnessed portions of the following preop tests:

- TP/2/A/1200/02A, Residual Heat Removal System Functional Test, Section 12.6, which verified valve 2ND37A could be operated by its alternate power source.
- TP/2/A/1250/04 (Sections 12.4, 12.14, 12.15), Section 12.4 verifies motor driven pump 2A and associated flow control valves response times upon simulation of an auto-start signal and demonstrates reset capability with the auto-start signal still present; Section 12.14 measures head and flow for motor driven pump 2A while the pump takes suction from and recirculates to the upper surge tank; Section 12.15 is the same as Section 12.14 except that motor driven pump 2B is operated.
- TP/2/A/1550/01B, Section 12.2, which demonstrates proper operation of the interlock between the diesel generator fuel oil day tank retaining wall drain valve 2FD83 and the lube oil transfer pump.
- TP/2/A/1700/01B, Section 12.1 and 12.2, which verify proper operation of various system alarms and the interlock between the pre-lube oil pump and the lube oil sump tank heater.

The purpose of preop tests TP/2/A/1550/01B and TP/2/A/1700/01B is to demonstrate proper operation of interlocks and selected valves while diesel generator 2B is in a standby mode of operation.

The above tests were witnessed to verify the following:

- Tests were performed in accordance with approved procedures.

- Latest revisions of the approved test procedures were available and in use by personnel performing the tests.
- Test equipment required by the procedures was calibrated and installed.
- Test data were properly collected and recorded.
- Adequate coordination existed among personnel involved in the test.
- Test prerequisites were met.
- Proper plant systems were in service.
- Temporary modifications such as jumpers were installed and tracked in accordance with administrative controls.
- Problems encountered during testing were properly documented.

No violations or deviations were identified in the areas inspected.

7. Technical Specification Review (71301)

The inspector attended portions of the meeting held to discuss the NRC staff comments, transmitted by letter dated July 5, 1985, on the Catawba Units 1 and 2 First Draft Technical Specifications. The meeting was attended by NRC staff members from NRR, and representatives from the licensee and Westinghouse. Items discussed during the meeting and the results achieved will be included in the meeting minutes, which will be issued at a later date.

The inspector reviewed a sampling of the proposed Technical Specification (TS) changes to determine the clarity of limiting conditions for operations, including applicable action statements, surveillance requirements, and administrative controls. No substantive comments were identified.