NRC INSPECTION MANUAL

INSPECTION PROCEDURE 72600

POWER LEVEL PLATEAU DATA REVIEW - 25% (PWR)

PROGRAM APPLICABILITY:

72600-01 INSPECTION OBJECTIVES

01.01 Ascertain whether the licensee is performing an adequate evaluation of test results.

01.02 Evaluate the adequacy of the licensee's administrative practices in maintaining proper test discipline concerning test execution, test alteration, and test records.

01.03 Ascertain whether the licensee is following his procedures for review, evaluation, and acceptance of test results.

72600-02 INSPECTION REQUIREMENTS

02.01 Verification of Licensee Evaluation of Test Results. For the Category I tests listed below, inspect the test results using the method of Procedure 72301.

For the Category II tests listed below, using the verification method prescribed in Item 4 of Procedure 72301, verify that the licensee has evaluated the test results.

a. Category I

Natural Circulation Test
Loss of Off-Site Power
Power Reactivity Coefficient
Shutdown from Outside the Control Room
Pseudo Rod Ejection
Core Performance

b. Category I

Automatic Control System Checkout
Dropped Rod
Vibration Monitoring
Process Computer

02.02 Authorization to Raise Power. Review the licensee evaluation of the plateau test results and his authorization for proceeding to the next test plateau.

a. Assure that all testing has been completed.

b. Assure that all testing anomalies have been evaluated and resolved by the licensee.

c. Assure that the licensee has reviewed technical specification requirements applicable to the next higher power level and has fully implemented them.

d. Confirm that the licensee performed core and plant surveys to assure safe operation during the increase of power level and arrival at the new power plateau. These tests should include examination of flux distribution, core performance, reactor heat balance, and pressure boundary leakage.

e. Confirm that the licensee has extrapolated the results of tests to this point in the power ascension program, and has compared this extrapolation with predicted plant performance. Assure that the licensee has determined that it is reasonable and prudent to continue the testing program to at least the next planned power level plateau.

72600-03 INSPECTION GUIDANCE

G e n e r a l : Guidance is provided in R.G. 1.68, Revision 2, Appendix A, Paragraph 5 and Appendix B.

1.a. MC Module 61709, "Power Coefficient of Reactivity (PWR)" may be used concurrently or as reference in verifying the licensees evaluation of test results.

MC Module 61702, "Surveillance of Core Power Distribution Limits" may be used concurrently with or as reference for this procedure.

2.a. The licensee's test plans and procedures should be compared to the test results to determine completion of test requirements. Verify that the licensee has NRR documented authorization for deletion or nonperformance of a required test.

2.b. Anomalies occurring during testing should be resolved to assure that design requirements are satisfied in accordance with R.G. 1.68, Appendix A, Section 5, "Power-Ascension Testing."

2.c. Test procedures should identify appropriate TS Safety Limits (SL) and Limited Safety System Settings (LSSS) to assure that limits will not be exceeded during performance of any part of the tests.

2.d. R.G. 1.68, Appendix A, Section 5 provides guidance for confirmation of safe operation to progress to higher power levels during testing.

2.e. The confirmation of extrapolated results of tests should be emphasized for the LCO of core parameters (e.g., peaking factors, Kw/ft, shutdown margin).

END