

NRC INSPECTION MANUAL

INSPECTION PROCEDURE 72518

STARTUP TEST PROCEDURE REVIEW - CORE PERFORMANCE

PROGRAM APPLICABILITY:

72518-01 INSPECTION OBJECTIVE

Ascertain whether the identified test is consistent with regulatory requirements, guidance, license commitments, and technical specifications.

72518-02 INSPECTION REQUIREMENTS

BWR Power Ascension Testing - Procedure Review (Core Performance)

02.01 Core Performance (Group A&B). If either Group A or B procedures are selected for review, the Inspector shall:

- a. Review the FSAR, DL Safety Evaluation Report, and docketed letters from the licensee and verify that the testing commitments have been included.
- b. Verify standard procedures review requirements are met as defined in Procedure 72300.
- c. Verify that the procedure contains acceptance criteria as follows:
 - (1) TIP reproducible within $\pm 4\%$ with the same core power and control rod profile
 - (2) LPRM's, TIP data and heat balances are used to provide an APRM calibration
 - (3) Steady-state reactor power shall be limited to values on or below the licensed flow control line
- d. Verify that initial conditions include:
 - (1) Steady-state operations (Various Power Levels)
- e. Verify that test conditions include:

- (1) Obtaining of test data and determination of core thermal power
- (2) Determination that all points are below the heat flux limits

(3) Determination that local heat transfer limits are not exceeded.

(4) Recording of data in appropriate logs.

72518-03 INSPECTION GUIDANCE

For review of low power physics tests (CPPT) procedures, the following MC 2515 modules should be used for reference:

61702

61703

61704

Guidance is provided in R.G. 1.68, Revision 2, Appendix A, Paragraph 4.a, 4.b, 4.e, 5.a, 5.b, 5.c, 5.d, 5.f, and 5.i; Appendix B and Appendix C.

END