

NRC INSPECTION MANUAL

INSPECTION PROCEDURE 72508

POWER ASCENSION PROCEDURE REVIEW: HPCI SYSTEM

PROGRAM APPLICABILITY:

72508-01 INSPECTION OBJECTIVES

Ascertain whether the high pressure coolant injection system test is consistent with regulatory requirements, guidance, license commitments and technical specifications.

72508-02 INSPECTION REQUIREMENTS

02.01 Review the FSAR, Safety Evaluation Report, and docketed letters from the licensee and verify that the testing commitments have been included.

02.02 Verify standard procedure review requirements are met as described in Procedure 72300.

02.03 Verify that the procedure contains acceptance criteria for the following:

- a. Rated flow to the reactor vessel
- b. System start time to rated flow
- c. Steam leakage through the turbine gland seal condenser system

02.04 Verify that initial conditions include:

- a. Reactor power and pressure
- b. HPCI pump suction and discharge paths

02.05 Verify that test conditions include:

- a. Quick start test - rated reactor pressure
- b. Turbine flow isolation trip
- c. Vessel injection

72508-03 INSPECTION GUIDANCE

Guidance is provided in RG 1.68, Revision 2, Appendix A, Paragraph 5.k; Appendix B; and Appendix C, Paragraph 4.

END