NRC INSPECTION MANUAL

INSPECTION PROCEDURE 72509

POWER ASCENSION PROCEDURE REVIEW:
CONTROL ROD DRIVE SYSTEM

PROGRAM APPLICABILITY:

72509-01 INSPECTION OBJECTIVES

Ascertain whether the control rod drive system test is consistent with regulatory requirements, guidance, license commitments and technical specifications.

72509-02 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. Rod withdrawal speed

b. Mean scram time - all rods

c. Mean scram time - three fastest rods in a 2 x 2 array

d. Delta P on CRD friction tests

02.04 Verify that initial conditions include:

a. Data from previous pre-ops tests are at hand

b. Rod indicating system is operating properly

c. Each CRD is coupled

d. Reactor water level is above the upper grid plate

02.05 Verify that rod scram tests will be conducted at each power level plateau as defined in the FSAR.

72509-03 INSPECTION GUIDANCE

Guidance is provided in RG 1.68, Revision 2, Appendix A, Paragraph 5.h and g (25% power); Appendix B; and Appendix C, Paragraph 4.

END