

NRC INSPECTION MANUAL

DQASIP

INSPECTION PROCEDURE 70311

PREOPERATIONAL TEST PROCEDURE VERIFICATION

PROGRAM APPLICABILITY: 2513

70311-01 INSPECTION OBJECTIVES

Ensure that the scope of the preoperational test program is consistent with regulatory guidance and licensee commitments.

70311-02 INSPECTION REQUIREMENTS

02.01 Review Regulatory Guide 1.68 and applicable portions of the FSAR. Verify that the preoperational test program adequately addresses NRC requirements and licensee commitments.

02.02 Verify that the licensee has a test procedure written, reviewed, and approved for each of the required systems/areas.

70311-03 INSPECTION GUIDANCE¹

The emphasis of this inspection procedure should be to ensure that a preoperational test procedure has been written, reviewed, and approved in each of the required areas. The areas/systems which should be covered include (but are not limited to):

- a. Cold and Hot Flush of Systems
- b. Component and Pipe Expansion
- c. Leak Detection
- d. Communication Systems
- e. In-Service Inspection
- f. Pressure Suppression Chamber
- g. Auxiliary Startup Instrumentation

¹ Specific guidance for Section 02.01.
Issue Date: 10/01/83

- h. Containment Building
- i. Auxiliary Building
- j. Instrument Air System
- k. Electrical Systems
- l. Reactor Components Handling System
- m. Integrated Cold Functional Test
- n. Vessel Servicing Equipment
- o. Refueling Equipment
- p. Storage Equipment
- q. Fuel Handling and Fuel Storage System
- r. Seal Water System
- s. Vent and Drain System
- t. Seal and Pump Cooling Water System
- u. Component Cooling Water System
- v. Fire Protection System
- w. Service Water System
- x. Seismic Instrumentation
- y. Reactor Vessel Head Cooling
- z. Purification Condenser
- aa. Emergency Condenser
- bb. Shield Cooling System

The inspector should ensure that the primal test procedures not specifically reviewed are included in this inspection procedure.

END