



UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
Washington, D.C. 20555

INSPECTION AND ENFORCEMENT MANUAL

DRP

INSPECTION PROCEDURE 70443

CONTAINMENT SPRAY SYSTEM TEST PREOPERATIONAL TEST WITNESSING

PROGRAM APPLICABILITY: 2513

70443-01 INSPECTION OBJECTIVES

- 011 Verify that the testing is conducted in accordance with approved procedures.
- 012 Independently verify the acceptability of test results.
- 013 Evaluate the performance of licensee personnel conducting the test.
- 014 Verify that test results and identified deficiencies are properly reviewed by the licensee.

70443-02 INSPECTION REQUIREMENTS

- 021 Schedule an inspection to coincide with this testing.
- 022 Obtain and review the Containment Spray System Test Procedure prior to witnessing the test (see IE 70343).
- 023 Review Regulatory Guide 1.68 and applicable portions of the FSAR, SER, Technical Specifications, and docket correspondence. Verify that the Containment Spray System is adequately tested to ensure that NRC requirements and licensee commitments are satisfied.
- 024 Observe licensee personnel conducting the test. Verify that:
 - a. Tests are conducted in accordance with approved procedures.
 - b. Approved test procedures are available to personnel conducting the test.
 - c. Test equipment is properly installed.
 - d. Test data are collected and recorded in the approved manner.

- e. Evaluate the licensee personnel's ability to conduct the test.

70443-03 INSPECTION GUIDANCE

034 By witnessing this test, the inspector should ensure that important system performance functions are adequately tested. Areas that should be witnessed include (but are not limited to):

- a. ESFAS functions operation.
- b. Ability to transfer to the recirculation phase.
- c. Operability of chemical addition system.
- d. Operation of system instrumentation and components.
- e. Verification that spray nozzles, headers, etc., are free of debris.
- f. Verify that spray nozzle orientation is correct. This may be done through record review or observation by the inspector.

NOTE: Items may be part of other system tests.

END