

NRC INSPECTION MANUAL

INSPECTION PROCEDURE 70316

LOSS OF OFFSITE POWER TEST PREOPERATIONAL TEST WITNESSING

PROGRAM APPLICABILITY:

70316-01 INSPECTION OBJECTIVES

- 01.01 Verify that the testing is conducted in accordance with approved procedures,
- 01.02 Independently verify the acceptability of test results, and
- 01.03 Evaluate the performance of licensee personnel conducting the test.

70316-02 INSPECTION REQUIREMENTS

The inspector shall:

- 02.01 Schedule an inspection to coincide with this testing.
- 02.02 Obtain and review the Loss of Offsite Power Test Procedure prior to witnessing the test.
- 02.03 Review Regulatory Guide 1.68 and applicable portions of the FSAR, SER, Technical Specifications, and docket correspondence. Verify that during Loss of Offsite Power System performance is adequately tested to ensure that NRC requirements and licensee commitments are satisfied.
- 02.04 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 is collected and recorded in the approved manner, and
 - e. evaluate the licensee personnel's ability to conduct the test.

70316-03 INSPECTION GUIDANCE

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

- a. bus isolation and load shedding,
- b. load sequencing,
- c. voltage and frequency regulation during transient and steady state conditions,
- d. operation of alarm and protective functions,
- e. emergency lighting,
- f. operation of diesel generator, including DG start and operation when carrying electrical loads, and
- g. integrated electrical system operation at multiunit facilities.

NOTE: Items may be part of other systems tests.

END