SECTION I

INSPECTION OBJECTIVES

1. Verify that the testing is conducted in accordance with approved procedures,

2. Independently verify the acceptability of test results, and

3. Evaluate the performance of licensee personnel conducting the test.

SECTION II

INSPECTION REQUIREMENTS

The inspector shall:

1. Schedule an inspection to coincide with this testing.

2. Obtain and review the Emergency or Standby Power Supply System procedure prior to witnessing the test.

3. Review Regulatory Guide 1.68, 1.108, and applicable portions of the FSAR, SER, Technical Specifications, and docket correspondence. Verify that the Emergency or Standby Power Supply System is adequately tested to ensure that NRC requirements and licensee commitments are satisfied.

4. 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.

SECTION III

INSPECTION GUIDANCE

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

   a. system operation during steady-state and transient conditions, including simulated failure/malfunction conditions,
   b. integrated system operation and interdependence at multiunit sites, including load distribution and automatic load switching functions,
   c. system logic and protective functions,
   d. system load comparison to design loads,
   e. instrumentation and control,
   f. system operation for design-accident-loading-sequence to design-load requirements,
   g. diesel generator operation, including start, load tests and auxiliary systems,
   h. emergency lighting systems,
   i. engineered safety features functions, and
   j. redundancy and electrical independence.

NOTE: Items may be part of other systems tests.