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 Engineered Safety Features Activation Systems Test Procedure prior to witnessing the test.

3. Review Regulatory Guide 1.68 and applicable portions of the FSAR, SER, Technical Specifications, and docket correspondence. Verify that the Engineered Safety Features Actuation 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. ESFA signals, control and instrumentation functions should be the focus of this test. Areas which should be witnessed include (but are not limited to):

   a. operation of logic, protection and alarm functions, including response time,

   b. demonstrated redundancy and electrical independence, and coincidence,

   c. demonstrated bus stripping signals, separation of nonvital loads and proper sequencing of vital loads, and

   d. sensor operation.

NOTE: Items may be part of other systems tests.