

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

- 13) Demonstrating the OPERABILITY of the automatic load shed bypass and the manual load shed reinstatement features of the load sequencer.
- f. At least once per 10 years or after any modifications which could affect standby diesel generator interdependence by starting all standby diesel generators simultaneously, during shutdown, and verifying that all standby diesel generators accelerate to at least 600 rpm in less than or equal to 10 seconds; and
- g. At least once per 10 years by
- 1) Draining each fuel tank, removing the accumulated sediment and cleaning the tank using a sodium hypochlorite solution, or equivalent, and
  - 2) Performing a pressure test of those portions of the diesel fuel oil system designed to Section III, subsection ND of the ASME Code at a test pressure equal to 110% of the system design pressure.

4.8.1.1.3 Reports - All standby diesel generator failures, valid or nonvalid, shall be reported to the Commission in a Special Report pursuant to Specification 6.9.2 within 30 days. Reports of standby diesel generator failures shall include the information recommended in Regulatory Position C.3.b of Regulatory Guide 1.108, Revision 1, August 1977. If the number of failures in the last 100 valid tests (on a per nuclear unit basis) is greater than or equal to 7, the report shall be supplemented to include the additional information recommended in Regulatory Position C.3.b of Regulatory Guide 1.108, Revision 1, August 1977.

**Technical Requirements Manual Pages Enclosed**

**3/4.8-1**  
**B 3/4.8-1**

## ELECTRICAL POWER SYSTEMS

### 3/4.8.1 A.C. SOURCES

#### OPERATING

#### LIMITING CONDITION FOR OPERATION

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Refer to Technical Specifications

#### **NOTE**

THIS TRM REQUIREMENT DUPLICATES THE APPLICABLE REQUIREMENTS OF TECHNICAL SPECIFICATION 3/4.8.1. THE REQUIREMENTS AND ACTIONS OF THE TECHNICAL SPECIFICATIONS GOVERN UNTIL THE NRC APPROVES THE RELOCATION AS REQUESTED IN NOC-AE-000204, DATED 07/06/98.

## SURVEILLANCE REQUIREMENTS

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4.8.1.1.1 Each standby diesel generator shall be demonstrated OPERABLE:

- a. At least once per 10 years by:
  - 1) Cleaning each fuel tank using a sodium hypochlorite solution, or equivalent, and
  - 2) Performing a pressure test of those portions of the diesel fuel oil system designed to Section III, subsection ND of the ASME Code at a test pressure equal to 110% of the system design pressure.

## ELECTRICAL POWER SYSTEMS

### BASES

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#### 3/4.8.1 A.C. SOURCES - OPERATING

Refer to Technical Specifications Bases.

#### 3/4.8.4 ELECTRICAL EQUIPMENT PROTECTIVE DEVICES

Containment electrical penetrations and penetration conductors are protected by either deenergizing circuits not required during reactor operation or by demonstrating the OPERABILITY of primary and backup overcurrent protection circuit breakers during periodic surveillance.

The Surveillance Requirements applicable to lower voltage circuits breakers provide assurance of breaker reliability by testing a representative sample of at least 10% of each manufacturer's brand of circuit breaker. Each manufacturer's molded case and metal case circuit breakers are grouped into representative samples which are then tested on a rotating basis to ensure that all breakers are tested. If a wide variety exists within any manufacturer's brand of circuit breakers it is necessary to divide that manufacturer's breakers into groups and treat each group as a separate type of breaker for surveillance purposes.

The molded case circuit breakers will be tested in accordance with NEMA Standard Publication No. AB-2-1980. For a frame size of 250 amperes or less, the field tolerance of the high and low setting of the injected current will be within + 40%, -25% of the setpoint (pickup) value. For a frame size of 400 amperes or greater, the field tolerance will be  $\pm 25\%$  of the setpoint (pickup) value. The circuit breakers should not be affected when tested within their tolerance.