

3/4.8 ELECTRICAL POWER SYSTEMS

3/4.8.1 A.C. SOURCES

A.C. SOURCES - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Four of the five separate and independent diesel generators+, each with:
 1. Separate engine mounted day fuel tanks containing a minimum of 325 gallons of fuel,
 2. A separate fuel storage system containing a minimum of 47,570 gallons of fuel for diesel generator A, B, C and D; and 60,480 gallons for diesel generator E, and
 3. A separate fuel transfer pump.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With one offsite circuit of the above 3.8.1.1.a required A.C. power sources inoperable:
 1. Perform Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter, and
 2. For each of the four++ OPERABLE, aligned diesel generators:
 - a. Verify Surveillance Requirement 4.8.1.1.2.a.4 has been successfully performed within the last 24 hours, or
 - b. Perform Surveillance Requirement 4.8.1.1.2.a.4 sequentially on each diesel generator within 24 hours, and

+Shared with Unit 2. An OPERABLE diesel generator may be removed from service for a period of eight hours when aligning diesel generator E to the Class 1E distribution system. If alignment of diesel generator E is not completed within eight hours, the appropriate ACTION will be followed. The specified time limits in the ACTION will be measured from the time alignment of diesel generator E began, with the exception of the initial performance of Surveillance Requirement 4.8.1.1.1.a. The time limit for 4.8.1.1.1.a will be measured from the determination that diesel generator E will not or can not be aligned.
++If the cause of the inoperability of the offsite circuit is inoperability of an ESS transformer, only the two diesel generators associated with the inoperable ESS transformer are required to be tested.

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION: (Continued)

3. Restore both offsite circuits to OPERABLE status within 72 hours^{*} or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

b. With one diesel generator of 3.8.1.1.b inoperable,

1. Perform Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter, and

2. For each of the remaining three OPERABLE, aligned diesel generators:

a. Verify Surveillance Requirement 4.8.1.1.2.a.4 has been successfully performed within the last 24 hours, or

b. Perform Surveillance Requirement 4.8.1.1.2.a.4 sequentially on each diesel generator within 24 hours, and

3. Restore the diesel generator to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

** This time is extended to 7 days during the installation of the T-10 230kV switchyard that is scheduled for the Fall of 1995.*

This ACTION is not required to be performed if the absence of common cause for diesel generator inoperability can be established for the diesel generators (i.e. cause can be established and does not represent a common mode/generic failure mechanism for the remaining OPERABLE diesel generators).