

### 3/4.8 ELECTRICAL POWER SYSTEMS

#### 3/4.8.1 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 separate and independent diesel generator sets each with:
  1. Two diesels driving a common generator
  2. Two engine-mounted fuel tanks containing a minimum volume of 250 gallons of fuel, per tank
  3. A separate fuel storage system containing a minimum volume of 62,000 gallons of fuel,
  4. A separate fuel transfer pump, and
  5. A separate 125-volt D.C. distribution panel, 125-volt D.C. battery bank and associated charger.

APPLICABILITY: MODES 1, 2, 3 and 4.

##### CTION:

- a. With one offsite A.C. circuit of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining offsite A.C. circuit by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter. Restore at least two offsite circuits to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. R209
- b.# With diesel generator set(s) 1A-A and/or 2A-A or 1B-B and/or 2B-B of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter, and determining OPERABLE diesel generator sets are not inoperable due to common cause failure or performing Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours; restore at least four diesel generator sets to OPERABLE status within 72 hours\* or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. R209 R141

\*The 72-hour action statement may be extended for an additional 72 hours for one train of diesel generators (either 1A-A and 2A-A, or 1B-B and 2B-B) during the performance of Surveillance Requirement 4.8.1.1.2.f.1. A temporary fuel supply must be connected to the diesel generator set that is having the associated fuel tanks cleaned. R141

#Required actions, to verify OPERABLE diesel generator sets are not inoperable due to common cause failure or perform SR 4.8.1.1.2.a.4, shall be completed if this action is entered. R209

@ The 72-hour action statement may be extended for an additional 48 hours for diesel generator 3A-A for the period of 1785 hours February 14, 1997 until 1785 hours February 16, 1997.

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#### 3/4.8.1 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 separate and independent diesel generator sets each with:
  1. Two diesels driving a common generator
  2. Two engine-mounted fuel tanks containing a minimum volume of 250 gallons of fuel, per tank
  3. A separate fuel storage system containing a minimum volume of 62,000 gallons of fuel,
  4. A separate fuel transfer pump, and
  5. A separate 125-volt D.C. distribution panel, 125-volt D.C. battery bank and associated charger.

APPLICABILITY: MODES 1, 2, 3 and 4.

##### ACTION:

- a. With one offsite A.C. circuit of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining offsite A.C. circuit by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter. Restore at least two offsite circuits to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b.# With diesel generator set(s) 1A-A and/or 2A-A or 1B-B and/or 2B-B of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter, and determining OPERABLE diesel generator sets are not inoperable due to common cause failure or performing Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours; restore at least four diesel generator sets to OPERABLE status within 72 hours\* or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

\*The 72-hour action statement may be extended for an additional 72 hours for one train of diesel generators (either 1A-A and 2A-A, or 1B-B and 2B-B) during the performance of Surveillance Requirement 4.8.1.1.2.f.1. A temporary fuel supply must be connected to the diesel generator set that is having the associated fuel tanks cleaned.

#Required actions, to verify OPERABLE diesel generator sets are not inoperable due to common cause failure or perform SR 4.8.1.1.2.a.4, shall be completed if this action is entered.

June 29, 1995

*The 72-hour action statement may be extended for an additional 48 hours for diesel generator 1A-A for the period of 1725 hours February 14, 1997 until 1725 hours February 16, 1997.*

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