ELECTRICAL POWER SYSTEMS

3/4.8.2 ONSITE POWER DISTRIBUTION SYSTEMS

A.C. DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.2.1 The following A.C. electrical busses shall be OPERABLE and energized with its breakers open between redundant busses:

a. H.A.C. Emergency Busses consisting of:
   1. 4160 volt Emergency Bus # 2H
   2. 480 volt Emergency Busses # 2H, 2H1
b. J.A.C. Emergency Busses consisting of:
   1. 4160 volt Emergency Bus # 2J
   2. 480 volt Emergency Busses # 2J, 2J1
c. 120 volt A.C. Vital Bus # 2-I energized from its associated inverter connected to D.C. Bus # 2-I*
d. 120 volt A.C. Vital Bus # 2-II energized from its associated inverter connected to D.C. Bus # 2-II*
e. 120 volt A.C. Vital Bus # 2-III energized from its associated inverter connected to D.C. Bus # 2-III*
f. 120 volt A.C. Vital Bus # 2-IV energized from its associated inverter connected to D.C. Bus # 2-IV*

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

a. With one of the required A.C. Emergency busses not fully energized, re-energize within 8 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

b. With one A.C. Vital Bus not energized, re-energize the A.C. Vital Bus within 2 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

c. With one A.C. Vital Bus either not energized from its associated inverter, or with the inverter not connected to its associated D.C. Bus, re-energize the A.C. Vital Bus from its associated inverter connected to its associated D.C. Bus within 24 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

*Two inverters may be disconnected from their D.C. Busses for up to 24 hours as necessary, for the purpose of performing an equalizing charge on their associated battery banks provided (1) their vital busses are energized, and (2) the remaining vital busses are energized from their associated inverters and connected to their associated D.C. Busses.

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