

ELECTRICAL POWER SYSTEMS

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

*land busses*

3.8.3.1 The following power distribution system divisions shall be energized with tie breakers open between redundant busses within the unit:

- a. A.C. power distribution:
  - 1. Division I, consisting of:
    - a) 4160V RHR Complex Busses 11EA and 12EB.
    - b) 4160V Reactor Building Busses 64B and 64C.
    - c) 480V RHR Complex Busses 72EA and 72EB.
    - d) 480V Reactor Building Busses 72B and 72C.
    - e) 120V Division I I&C Power Supply Unit, MPU 1.
  - 2. Division II, consisting of:
    - a) 4160V RHR Complex Busses 13EC and 14ED.
    - b) 4160V Reactor Building Busses 65E and 65F.
    - c) 480V RHR Complex Busses 72EC and 72ED.
    - d) 480V Reactor Building Busses 72E and 72F.
    - e) 120V Division II I&C Power Supply Unit, MPU 2.

- b. D.C. power distribution:
  - 1. Division I, consisting of:
    - a) 130-volt D.C. Distribution Cabinet 2PA-2.
    - b) 260-volt D.C. MCC 2PA-1.
  - 2. Division II, consisting of:
    - a) 130-volt D.C. Distribution Cabinet 2PB-2.
    - b) 260-volt D.C. MCC 2PB-1.

*3. Swing Bus, consisting of: a) 480V MCC 72CF*

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With one of the above required A.C. distribution system divisions not energized, reenergize the division within 8 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 of the above required D.C. distribution system divisions not energized, reenergize the division within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

*See Insert A*

*and swing bus*

4.8.3.1.1 Each of the above required power distribution system divisions shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/cabinets.

4.8.3.1.2 The A.C. power distribution system swing bus automatic throwover scheme shall be demonstrated OPERABLE at least once per 31 days by manually opening position 3C bus 72C and verifying that the automatic transfer scheme operates.

ELECTRICAL POWER SYSTEMS

DISTRIBUTION - SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.3.2 As a minimum, Division I or Division II of the power distribution system shall be energized with:

- and the swing bus fed from the energized division.*
- a. A.C. power distribution:
    1. Division I, consisting of:
      - a) 4160V RHR Complex Busses 11EA and 12EB.
      - b) 4160V Reactor Building Busses 64B and 64C.
      - c) 480V RHR Complex Busses 72EA and 72EB.
      - d) 480V Reactor Building Busses 72B and 72C.
      - e) 120V Division I I&C Power Supply Unit, MPU 1.
    2. Division II, consisting of:
      - a) 4160V RHR Complex Busses 13EC and 14ED.
      - b) 4160V Reactor Building Busses 65E and 65F.
      - c) 480V RHR Complex Busses 72EC and 72ED.
      - d) 480V Reactor Building Busses 72E and 72F.
      - e) 120V Division II I&C Power Supply Unit, MPU 2.
  - b. D.C. power distribution:
    1. Division I, consisting of:
      - a) 130-volt D.C. Distribution Cabinet 2PA-2.
      - b) 260-volt D.C. MCC 2PA-1.
    2. Division II, consisting of:
      - a) 130-volt D.C. Distribution Cabinet 2PB-2.
      - b) 260-volt D.C. MCC 2PB-1.

*3. Swing Bus, consisting of:  
a) 480V MCC 72CF*

APPLICABILITY: OPERATIONAL CONDITIONS 4, 5, and \*.

ACTION:

- a. With less than Division I or Division II of the above required A.C. distribution system energized, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
  - b. With less than Division I or Division II of the above required D.C. distribution system energized, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.  
*See Insert B*
- d. r.* The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.8.3.2.1 At least the above required power distribution system divisions shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/cabinets. *and the swing bus*

4.8.3.2.2 The A.C. power distribution system swing bus automatic throwover scheme shall be demonstrated OPERABLE at least once per 31 days by manually opening position 3C bus 72C and verifying that the automatic transfer scheme operates.

\*When handling irradiated fuel in the secondary containment.

INSERT A:

- c. With the swing bus not energized or the swing bus automatic throwover scheme inoperable, declare both low pressure coolant injection (LPCI) system subsystems inoperable and take the ACTION required by Specification 3.5.1.

INSERT B:

- c. With the swing bus not energized, declare both low pressure coolant injection (LPCI) system subsystems inoperable and take the ACTION required by Specification 3.5.2.