

Info ONLY

ELECTRICAL POWER SYSTEMS

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

AMENDMENT 43

DISTRIBUTION - OPERATING

SUBMITTAL

LIMITING CONDITION FOR OPERATION

3.8.3.1 The following power distribution system divisions shall be energized with tie breakers open both between redundant buses within the unit and between units at the same station:

a. A.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A201
  - 2) 480 volt A.C. load center 1B210
  - 3) 480 volt A.C. motor control center 0B516
- b) Load group Channel "C", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A203
  - 2) 480 volt A.C. load center 1B230
  - 3) 480 volt A.C. motor control center 0B536
- c) Load group 480 volt A.C. motor control centers 0B517, 0B136  
1B216, 1B236  
1B217, 1B237  
1B219\*
- d) Load group 208/120 volt A.C. instrument panels 1Y216, 1Y236

2. Division II, consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A202
  - 2) 480 volt A.C. load center 1B220
  - 3) 480 volt A.C. motor control center 0B526
- b) Load group Channel "D", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A204
  - 2) 480 volt A.C. load center 1B240
  - 3) 480 volt A.C. motor control center 0B546
- c) Load group 480 volt A.C. motor control centers 0B527, 0B146  
1B226, 1B246  
1B227, 1B247  
1B229\*
- d) Load group 208/120 volt A.C. instrument panels 1Y226, 1Y246

b. D.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 125 volt DC buses 1D612, 1D614
  - 2) Fuse box 1D611
- b) Load group Channel "C", consisting of:
  - 1) 125 volt DC buses 1D632, 1D634
  - 2) Fuse box 1D631
- c) Load group "I", consisting of:
  - 1) 250 volt DC buses 1D652, 1D254
  - 2) Fuse box 1D651
- d) Load group "I", consisting of:
  - 1) ± 24 volt DC buses 1D672
  - 2) Fuse box 1D671

\* The associated swing bus automatic transfer switch shall be OPERABLE.

SUSQUEHANNA - UNIT 1 3/4 8-17

8410100149 841001  
PDR ADDCK 050003B7  
P PDR

ELECTRICAL POWER SYSTEMS

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.3.1 The following power distribution system divisions shall be energized with tie breakers open both between redundant buses within the unit and between units at the same station:

a. A.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A201
  - 2) 480 volt A.C. load center 1B210
  - 3) 480 volt A.C. motor control center 0B516
- b) Load group Channel "C", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A203
  - 2) 480 volt A.C. load center 1B230
  - 3) 480 volt A.C. motor control center 0B536
- c) Load group 480 volt A.C. motor control centers 0B517, 0B136  
1B216, 1B236  
1B217, 1B237  
~~1B219~~
- d) Load group 208/120 volt A.C. instrument panels 1Y216, 1Y236

2. Division II, consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A202
  - 2) 480 volt A.C. load center 1B220
  - 3) 480 volt A.C. motor control center 0B526
- b) Load group Channel "D", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A204
  - 2) 480 volt A.C. load center 1B240
  - 3) 480 volt A.C. motor control center 0B546
- c) Load group 480 volt A.C. motor control centers 0B527, 0B146  
1B226, 1B246  
1B227, 1B247  
~~1B229~~
- d) Load group 208/120 volt A.C. instrument panels 1Y226, 1Y246

b. D.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 125 volt DC buses 1D612, 1D614
  - 2) Fuse box 1D611
- b) Load group Channel "C", consisting of:
  - 1) 125 volt DC buses 1D632, 1D634
  - 2) Fuse box 1D631
- c) Load group "I", consisting of:
  - 1) 250 volt DC buses 1D652, 1D254
  - 2) Fuse box 1D651
- d) Load group "I", consisting of:
  - 1) ± 24 volt DC buses 1D672
  - 2) Fuse box 1D671

INSERT (A)

INSERT (B)

INSERT (A) :

e) Isolated 480 volt A.C. swing bus, including :

1B219

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

INSERT (B)

e) Isolated 480 volt A.C. swing bus, including :

1B229

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION: (Continued)

D.C. power distribution: (Continued)

2. Division II, consisting of:

- a) Load group Channel "B" consisting of:
  - 1) 125 volt DC buses 1D622; 1D624
  - 2) Fuse box 1D621
- b) Load group Channel "D" consisting of:
  - 1) 125 volt DC buses 1D642, 1D644
  - 2) Fuse box 1D641
- c) Load group "II" consisting of:
  - 1) 250 volt DC buses 1D662, 1D264, 1D274
  - 2) Fuse box 1D661
- d) Load group "II" consisting of:
  - 1)  $\pm$  24 volt DC buses 1D682
  - 2) Fuse box 1D681

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3.

ACTION:

- a. With one of the above required A.C. distribution system load groups not energized, re-energize the load group 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 load groups not energized, re-energize the load group within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With an A.C. power distribution system swing bus transfer switch inoperable, restore the inoperable bus transfer switch to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

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

4.8.3.1.2 The A.C. power distribution system swing bus automatic transfer switches shall be demonstrated OPERABLE at least once per 31 days by actuating the load test switch or by disconnecting the normal power source to the transfer switch and verifying that swing bus automatic transfer is accomplished.

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

---

ACTION: (Continued)

D.C. power distribution: (Continued)

2. Division II, consisting of:

- a) Load group Channel "B" consisting of:
  - 1) 125 volt DC buses 1D622, 1D624
  - 2) Fuse box 1D621
  
- b) Load group Channel "D" consisting of:
  - 1) 125 volt DC buses 1D642, 1D644
  - 2) Fuse box 1D641
  
- c) Load group "II" consisting of:
  - 1) 250 volt DC buses 1D662, 1D264, 1D274
  - 2) Fuse box 1D661
  
- d) Load group "II" consisting of:
  - 1) ± 24 volt DC buses 1D682
  - 2) Fuse box 1D681

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3.

ACTION:

- a. With one of the above required A.C. distribution system load groups not energized, re-energize the load group 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 load groups not energized, re-energize the load group within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

→ INSERT (C)

SURVEILLANCE REQUIREMENTS

---

4.8.3.1. Each of the above required power distribution system load groups shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/MCCs/panels.

→ INSERT (D)

INSERT (C)

With one or both of the isolated 480 volt A.C. swing busses inoperable, declare the associated LPCI loop inoperable (See Specification 3.5.1).

INSERT (D)

4.8.3.1.2. The isolated 480 volt A.C. swing bus automatic transfer switches shall be demonstrated OPERABLE at least once per 31 days by actuating the load test switch or by disconnecting the preferred power source to the transfer switch and verifying that the swing bus automatic transfer is accomplished.

ELECTRICAL POWER SYSTEMS

DISTRIBUTION - SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8:3.2 As a minimum, the following power distribution system divisions shall be energized:

a. For A.C. power distribution, Division I or Division II with:

1. Division I consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A201
  - 2) 480 volt A.C. load center 1B210
  - 3) 480 volt A.C. motor control center 0B516
- b) Load group Channel "C", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A203
  - 2) 480 volt A.C. load center 1B230
  - 3) 480 volt A.C. motor control center 0B536
- c) Load group 480 volt A.C. motor control centers 0B517, 0B136  
1B216, 1B236  
1B217, 1B237  
1B219\*
- d) Load group 208/120 volt A.C. instrument panels 1Y216, 1Y236

2. Division II consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A202
  - 2) 480 volt A.C. load center 1B220
  - 3) 480 volt A.C. motor control center 0B526
- b) Load group Channel "D", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A204
  - 2) 480 volt A.C. load center 1B240
  - 3) 480 volt A.C. motor control center 0B546
- c) Load group 480 volt A.C. motor control centers 0B527, 0B146  
1B226, 1B246  
1B227, 1B247  
1B229\*\*
- d) Load group 208/120 volt A.C. instrument panels 1Y226, 1Y246

\* The associated swing bus automatic transfer switch shall be OPERABLE if LPCI pumps A and C alone are fulfilling the requirements of Specification 3.5.2.

\*\* The associated swing bus automatic transfer switch shall be OPERABLE if LPCI pumps B and D alone are fulfilling the requirements of Specification 3.5.2.

ELECTRICAL POWER SYSTEMS

DISTRIBUTION - SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.3.2 As a minimum, the following power distribution system divisions shall be energized:

a. For A.C. power distribution, Division I or Division II with:

1. Division I consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A201
  - 2) 480 volt A.C. load center 1B210
  - 3) 480 volt A.C. motor control center 0B516
- b) Load group Channel "C", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A203
  - 2) 480 volt A.C. load center 1B230
  - 3) 480 volt A.C. motor control center 0B536
- c) Load group 480 volt A.C. motor control centers 0B517, 0B136  
1B216, 1B236  
1B217, 1B237  
~~1B219~~
- INSERT (E) → d) Load group 208/120 volt A.C. instrument panels 1Y216, 1Y236

2. Division II consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A202
  - 2) 480 volt A.C. load center 1B220
  - 3) 480 volt A.C. motor control center 0B526
- b) Load group Channel "D", consisting of:
  - 1) 4160 volt A.C. switchgear bus 1A204
  - 2) 480 volt A.C. load center 1B240
  - 3) 480 volt A.C. motor control center 0B546
- c) Load group 480 volt A.C. motor control centers 0B527, 0B146  
1B226, 1B246  
1B227, 1B247  
~~1B229~~
- d) Load group 208/120 volt A.C. instrument panels 1Y226, 1Y246

INSERT (F) →



INSERT (E):

e) Isolated 480 volt A.C. swing bus, including:

1B219 \*

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

INSERT (F):

e) Isolated 480 volt A.C. swing bus, including:

1B229 \*\*

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

\* The swing bus shall be OPERABLE if the Division I LPCI subsystem alone is fulfilling the requirements of Specification 3.5.2.

\*\* The swing bus shall be OPERABLE if the Division II LPCI subsystem alone is fulfilling the requirements of Specification 3.5.2.

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

b. For D.C. power distribution, Division I or Division ~~Z~~, with:

**II**

I. Division I consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 125 volt DC buses 10612, 10614
  - 2) Fuse box 10611
- b) Load group Channel "C", consisting of:
  - 1) 125 volt DC buses 10632, 10634
  - 2) Fuse box 10631
- c) Load group "I", consisting of:
  - 1) 250 volt DC buses 10652, 10254
  - 2) Fuse box 10651
- d) Load group "I", consisting of:
  - 1) ± 24 volt DC buses 10672
  - 2) Fuse box 10671

2. Division II consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 125 volt DC buses 10622, 10624
  - 2) Fuse box 10621
- b) Load group Channel "D", consisting of:
  - 1) 125 volt DC buses 10642, 10644
  - 2) Fuse box 10641
- c) Load group "II", consisting of:
  - 1) 250 volt DC buses 10662, 10264, 10274
  - 2) Fuse box 10661
- d) Load group "II", consisting of:
  - 1) ± 24 volt DC buses 10682
  - 2) Fuse box 10681

APPLICABILITY: OPERATIONAL CONDITIONS 4, 5 and \*.

\*When handling irradiated fuel in the secondary containment.

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION:

- a. With less than <sup>the</sup> Division I and/or Division II <sup>load groups</sup> 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 <sup>the</sup> Division I and/or Division II <sup>load groups</sup> of the above required D.C. distribution system energized, suspend CORE ALTERATIONS, handling or irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
- ~~c. d.~~ 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/MCCs/panels.

4.8.3.2.2 The <sup>isolated 480 volt</sup> A.C. ~~power distribution system~~ swing bus automatic transfer switch shall be demonstrated OPERABLE at least once per 31 days by actuating the load test switch or by disconnecting the ~~normal~~ power source to the transfer switch and verifying that swing bus automatic <sup>preferred</sup> transfer is accomplished.

c. With one or both of the isolated 480 volt A.C. swing busses inoperable, declare the associated LPCI loop inoperable (See Specification 3.5.2) -

ELECTRICAL POWER SYSTEMS

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.3.1 The following power distribution system divisions shall be energized with tie breakers open both between redundant buses within the unit and between units at the same station:

a. A.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
- |                                       |              |
|---------------------------------------|--------------|
| 1) 4160-volt A.C. switchgear bus      | 1A201, 2A201 |
| 2) 480-volt A.C. load center          | 1B210, 2B210 |
| 3) 480-volt A.C. motor control center | 0B516        |
- b) Load group Channel "C", consisting of:
- |                                       |              |
|---------------------------------------|--------------|
| 1) 4160-volt A.C. switchgear bus      | 1A203, 2A203 |
| 2) 480-volt A.C. load center          | 1B230, 2B230 |
| 3) 480-volt A.C. motor control center | 0B536        |
- c) Load group 480 volt A.C. motor control centers
- |  |                         |
|--|-------------------------|
|  | 0B517, 0B136            |
|  | 1B216, 1B236,           |
|  | 2B216, 2B236            |
|  | 1B217, 2B237,           |
|  | 2B217, <del>2B219</del> |
|  | 1Y216, 1Y236,           |
|  | 2Y216, 2Y236            |

INSERT (G)

2. Division II, consisting of:

- a) Load group Channel "B", consisting of:
- |                                       |              |
|---------------------------------------|--------------|
| 1) 4160-volt A.C. switchgear bus      | 1A202, 2A202 |
| 2) 480-volt A.C. load center          | 1B220, 2B220 |
| 3) 480-volt A.C. motor control center | 0B526        |
- b) Load group Channel "D", consisting of:
- |                                       |              |
|---------------------------------------|--------------|
| 1) 4160-volt A.C. switchgear bus      | 1A204, 2A204 |
| 2) 480-volt A.C. load center          | 1B240, 2B240 |
| 3) 480-volt A.C. motor control center | 0B546        |
- c) Load group 480-volt A.C. motor control centers
- |  |                  |
|--|------------------|
|  | 0B527, 0B146     |
|  | 1B226, 1B246,    |
|  | 2B226, 2B246     |
|  | 1B227, 2B227,    |
|  | 2B247            |
|  | <del>2B229</del> |
- d) Load group 208/120-volt A.C. instrument panels
- |  |              |
|--|--------------|
|  | 1Y226, 1Y246 |
|  | 2Y226, 2Y246 |

INSERT (H)

b. D.C. power distribution:

1. Division I, consisting of:

- a) Load group Channel "A", consisting of:
- |                        |              |
|------------------------|--------------|
| 1) 125-volt D.C. buses | 1D612, 1D614 |
|                        | 2D612, 2D614 |
| 2) Fuse box            | 1D611, 2D611 |
- b) Load group Channel "C", consisting of:
- |                        |               |
|------------------------|---------------|
| 1) 125-volt D.C. buses | 1D632, 1D634, |
|                        | 2D632, 2D634  |

~~The associated swing bus automatic transfer switch shall be OPERABLE.~~

INSERT (G) :

e) Isolated 480 volt A.C. swing bus, including :

2B219

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

INSERT (H)

e) Isolated 480 volt A.C. swing bus, including :

2B229

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

b. D.C. power distribution: (Continued)

- |                                |                                       |                               |
|--------------------------------|---------------------------------------|-------------------------------|
| c)                             | 2) Fuse box                           | 1D631, 2D631                  |
|                                | Load group "I", consisting of:        |                               |
|                                | 1) 250-volt D.C. buses                | 2D652, 2D254                  |
|                                | 2) Fuse box                           | 2D651,                        |
| d)                             | Load group "I", consisting of:        |                               |
|                                | 1) $\pm$ 24-volt D.C. buses           | 2D672                         |
|                                | 2) Fuse box                           | 2D671                         |
| 2. Division II, consisting of: |                                       |                               |
| a)                             | Load group Channel "B" consisting of: |                               |
|                                | 1) 125-volt D.C. buses                | 1D622, 1D624,<br>2D622, 2D624 |
|                                | 2) Fuse box                           | 1D621, 2D621                  |
| b)                             | Load group Channel "D" consisting of: |                               |
|                                | 1) 125-volt D.C. buses                | 1D642, 1D644,<br>2D642, 2D644 |
|                                | 2) Fuse box                           | 1D641, 2D641                  |
| c)                             | Load group "II" consisting of:        |                               |
|                                | 1) 250-volt D.C. buses                | 2D562, 2D264, 2D274           |
|                                | 2) Fuse box                           | 2D661                         |
| d)                             | Load group "II" consisting of:        |                               |
|                                | 1) $\pm$ 24-volt D.C. buses           | 2D682                         |
|                                | 2) Fuse box                           | 2D681                         |

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3..

ACTION:

- a. With one of the above required A.C. distribution system load groups not energized, reenergize the load group 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 load groups not energized, reenergize the load group within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With an A.C. power distribution system swing bus transfer switch inoperable, restore the inoperable bus transfer switch to OPERABLE status within 7 days, or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

With one or both of the isolated 480 volt A.C. swing busses inoperable, declare the associated LPCI loop inoperable (See Specification 3.5.1).

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS

---

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

*isolated 480 volt*

4.8.3.1.2 The ~~A.C. power distribution system~~ swing bus automatic transfer switches shall be demonstrated OPERABLE at least once per 31 days by actuating the load test switch or by disconnecting the ~~normal~~ power source to the transfer switch and verifying that swing bus automatic transfer is accomplished.

*preferred*

ELECTRICAL POWER SYSTEMS

DISTRIBUTION - SHUTDOWN

LIMITING CONDITION FOR OPERATION

3.8.3.2 As a minimum, the following power distribution system divisions shall be energized:

a. For A.C. power distribution, Division I or Division II with:

1. Division I consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 4160-volt A.C. switchgear bus 1A201, 2A201
  - 2) 480-volt A.C. load center 1B210, 2B210
  - 3) 480-volt A.C. motor control center 0B516
- b) Load group Channel "C", consisting of:
  - 1) 4160-volt A.C. switchgear bus 1A203, 2A203
  - 2) 480-volt A.C. load center 1B230, 2B230
  - 3) 480-volt A.C. motor control center 0B536
- c) Load group 480-volt A.C. motor control centers 0B517, 0B136  
1B216, 1B236,  
2B216, 2B236  
1B217, 2B217,  
2B237  
~~2B215~~
- d) Load group 208/120-volt A.C. instrument panels 1Y216, 1Y236  
2Y216, 2Y236

INSERT (I) →

2. Division II consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 4160-volt A.C. switchgear bus 1A202, 2A202
  - 2) 480-volt A.C. load center 1B220, 2B220
  - 3) 480-volt A.C. motor control center 0B525
- b) Load group Channel "D", consisting of:
  - 1) 4160-volt A.C. switchgear bus 1A204, 2A204
  - 2) 480-volt A.C. load center 1B240, 2B240
  - 3) 480-volt A.C. motor control center 0B546
- c) Load group 480-volt A.C. motor control centers 0B527, 0B146  
1B226, 1B246,  
2B226, 2B246  
1B227, 2B227,  
2B247, ~~2B225~~
- d) Load group 208/120-volt A.C. instrument panels 1Y226, 1Y246  
2Y226, 2Y246

INSERT (J) →

~~\*The associated swing bus automatic transfer switch shall be OPERABLE if LPCI pumps A and C alone are fulfilling the requirements of Specification 3.5.2.~~

~~\*\*The associated swing bus automatic transfer switch shall be OPERABLE if LPCI pumps B and D alone are fulfilling the requirements of Specification 3.5.2.~~



INSERT (I):

e) Isolated 480 volt A.C. swing bus, including:

2B219 \*

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

INSERT (J):

e) Isolated 480 volt A.C. swing bus, including:

2B229 \*\*

- 1) Preferred power source
- 2) Preferred power source MG set
- 3) Alternate power source
- 4) Automatic transfer switch

\* The swing bus shall be OPERABLE if the Division I LPCI subsystem alone is fulfilling the requirements of Specification 3.5.2..

\*\* The swing bus shall be OPERABLE if the Division II LPCI subsystem alone is fulfilling the requirements of Specification 3.5.2

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

b. For D.C. power distribution, Division I or Division ~~I~~ II, with:

1. Division I consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 125-volt D.C. buses 1D612, 1D614, 2D612, 2D614
  - 2) Fuse box 1D611, 2D611
- b) Load group Channel "C", consisting of:
  - 1) 125-volt D.C. buses 1D632, 1D634, 2D632, 2D634
  - 2) Fuse box 1D631, 2D631
- c) Load group "I", consisting of:
  - 1) 250-volt D.C. buses 2D652, 2D254
  - 2) Fuse box 2D651
- d) Load group "I", consisting of:
  - 1) ± 24-volt D.C. buses 2D672
  - 2) Fuse box 2D671

2. Division II consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 125-volt D.C. buses 1D622, 1D624, 2D622, 2D624
  - 2) Fuse box 1D621, 2D621
- b) Load group Channel "D", consisting of:
  - 1) 125-volt D.C. buses 1D642, 1D644, 2D642, 2D644
  - 2) Fuse box 1D641, 2D641
- c) Load group "II", consisting of:
  - 1) 250-volt D.C. buses 2D662, 2D264, 2D274
  - 2) Fuse box 2D661
- d) Load group "II", consisting of:
  - 1) ± 24-volt D.C. buses 2D682
  - 2) Fuse box 2D681

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

\*When handling irradiated fuel in the secondary containment.

## ELECTRICAL POWER SYSTEMS

### LIMITING CONDITION FOR OPERATION (Continued)

#### ACTION:

- a. With less than <sup>the</sup> Division I and/or Division II <sup>load groups</sup> 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 <sup>the</sup> Division I and/or Division II <sup>load groups</sup> 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.
- c. ~~With an A.C. power distribution system swing bus automatic transfer switch inoperable, suspend CORE ALTERATIONS handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.~~
- d. 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/MCCs/panels.

4.8.3.2.2 The A.C. power distribution system swing bus automatic transfer switches shall be demonstrated OPERABLE at least once per 31 days by actuating the load test switch or by disconnecting the normal power source to the transfer switch and verifying that swing bus automatic transfer is accomplished.

c. With one or both of the isolated 480 volt A.C. Swing busses inoperable, declare the associated LPCI loop inoperable (See Specification 3.5.2).



1  
—

1  
1  
1