

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~~

~~d) Load group 208/120 volt A.C. instrument panels 1Y216, 1Y236~~

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

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~~

~~d) Load group 208/120 volt A.C. instrument panels 1Y226, 1Y246~~

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

b. D.C. power distribution:

1. Division I, consisting of:

a) Load group Channel "A", consisting of:

- 1) 125 volt DC buses 1D612, 2D612,\*  
1D614, 2D614\*
- 2) Fuse box 1D611, 2D611\*

\*Not required to be OPERABLE when the requirements of ACTION c have been satisfied.

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ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

D.C. power distribution: (Continued)

- b) Load group Channel "C", consisting of:
  - 1) 125 volt DC buses 10632, 20632\*  
10634, 20634\*  
10631, 20631\*
  - 2) Fuse box
- 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, 20622\*  
10624, 20624\*  
10621, 20621\*
    - 2) Fuse box
  - b) Load group Channel "D" consisting of:
    - 1) 125 volt DC buses 10642, 20642\*  
10644, 20644\*  
10641, 20641\*
    - 2) Fuse box
  - 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 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 Unit 1 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 one or more of the above required Unit 2 D.C. distribution system load groups not energized, within 2 hours either:
  - 1. Reenergize the load group(s), or
  - 2. Transfer the Unit 1 and common loads aligned to the deenergized Unit 2 load group(s) to the corresponding Unit 1 load group(s).

\*Not required to be OPERABLE when the requirements of ACTION c have been satisfied.

## ELECTRICAL POWER SYSTEMS

### LIMITING CONDITION FOR OPERATION (Continued)

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#### ACTION (Continued)

Otherwise, declare the Unit 1 and common loads aligned to the deenergized Unit 2 load group(s) inoperable and take the ACTION required by the applicable Specification(s).

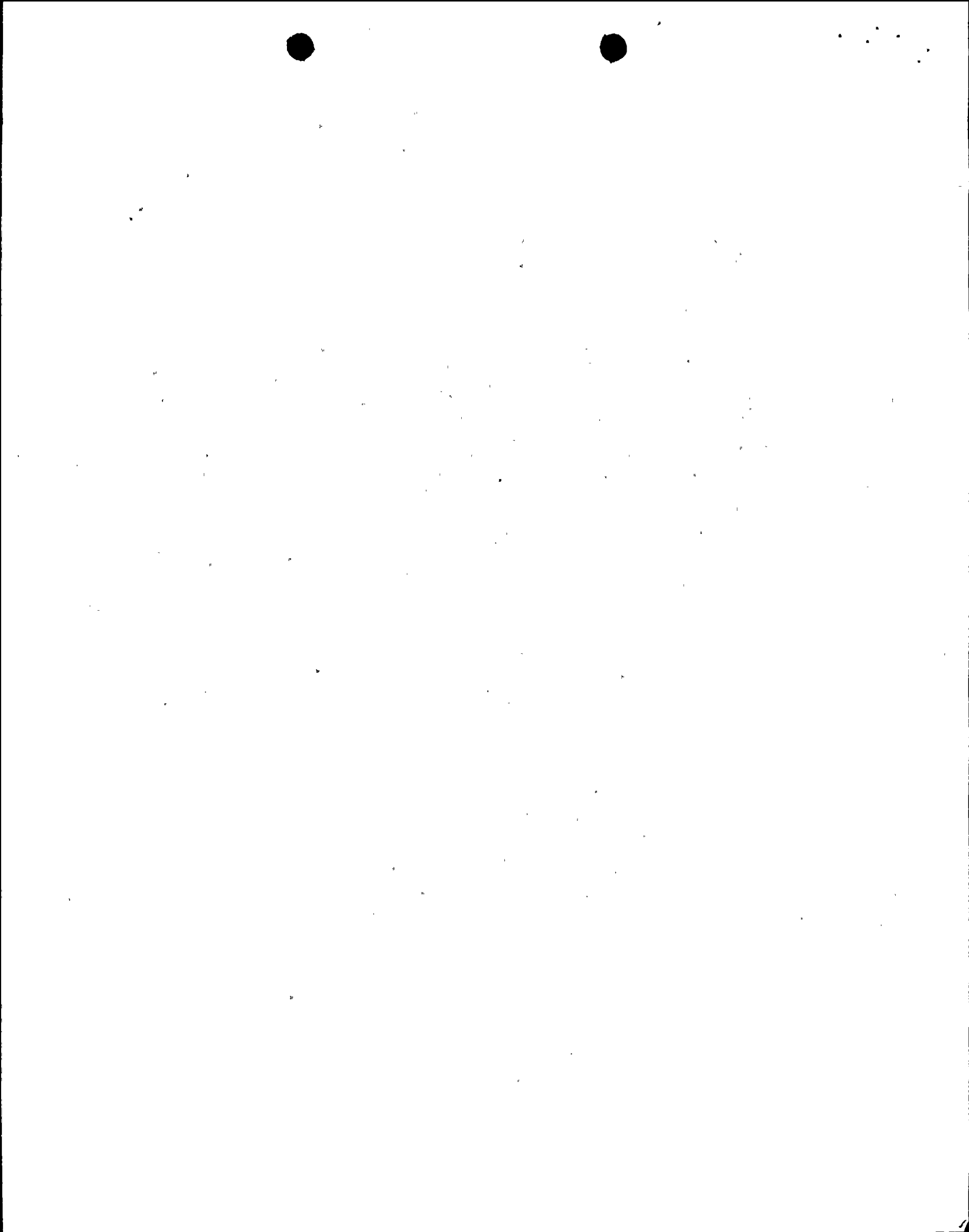
- d. With the Unit 1 loads associated with one or more of the above required Unit 1 125-volt D.C. load group(s) aligned to the corresponding Unit 2 load group(s), realign the Unit 1 loads to the Unit 1 load group(s) within 72 hours after restoring the Unit 1 load group(s) to OPERABLE status; otherwise, declare the Unit 1 loads aligned to the Unit 2 load group(s) inoperable and take the ACTION required by the applicable Specification(s).
- e. 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).

#### SURVEILLANCE REQUIREMENTS

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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 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 swing bus automatic transfer is accomplished.



INSERT A

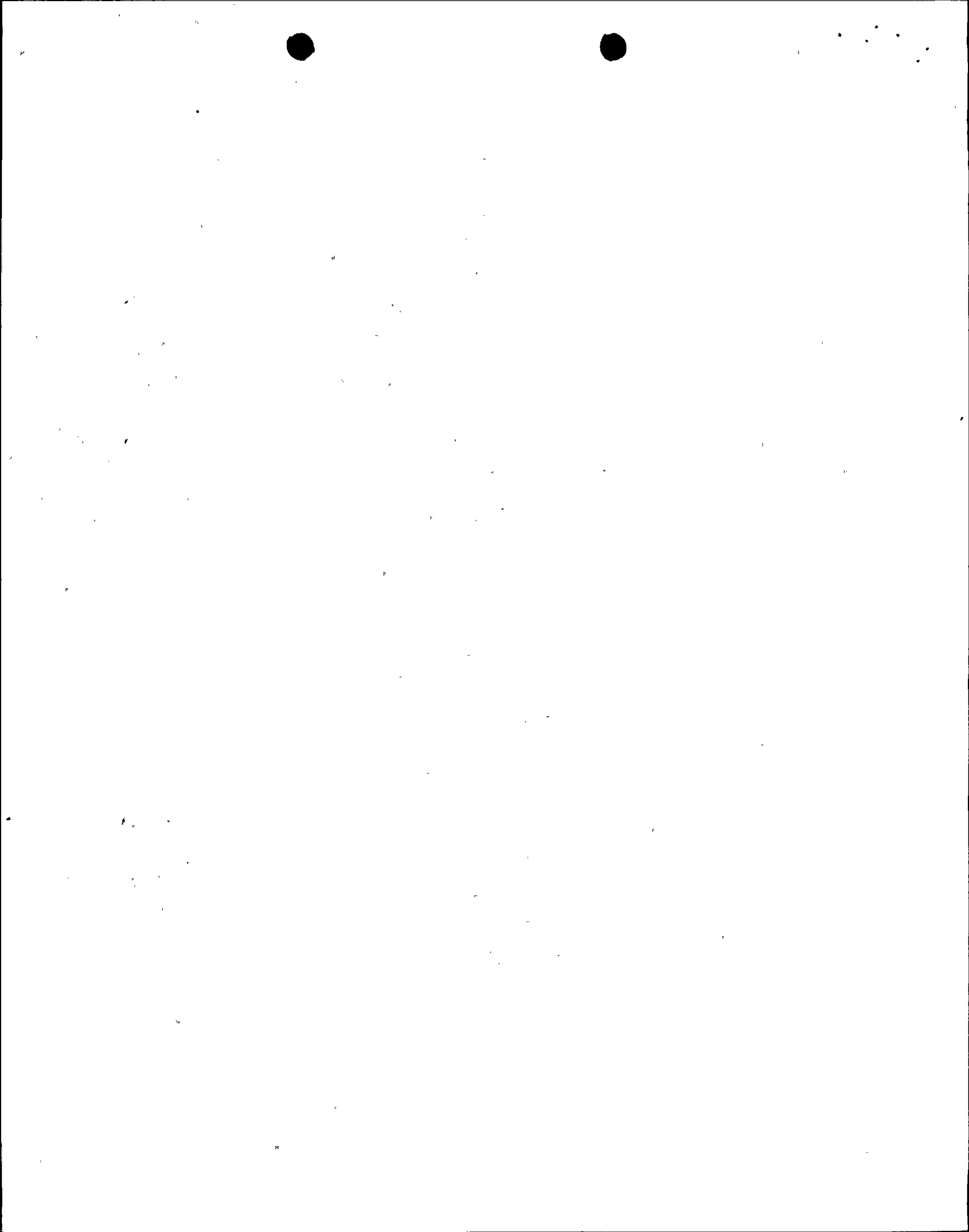
a. A.C. power distribution:

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 centers OB516, OB517  
1B216, 1B217
  - 4) 208/120 volt A.C. instrument panels 1Y216
- 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 centers OB536, OB136  
1B236, 1B237
  - 4) 208/120 volt A.C. instrument panels 1Y236
- c) 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

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 centers OB526, OB527  
1B226, 1B227
  - 4) 208/120 volt A.C. instrument panels 1Y226
- 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 centers OB546, OB146  
1B246, 1B247
  - 4) 208/120 volt A.C. instrument panels 1Y246
- c) 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



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~~
    - ~~d) Load group 208/120 volt A.C. instrument panels~~ ~~1Y216, 1Y236~~
    - 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
  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~~
    - ~~d) Load group 208/120 volt A.C. instrument panels~~ ~~1Y226, 1Y246~~
    - 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

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'A'

\*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 II, with:

1. Division I consisting of:

- a) Load group Channel "A", consisting of:
  - 1) 125 volt DC buses 1D612, 2D612\*\*  
1D614, 2D614\*\*
  - 2) Fuse box 1D611, 2D611\*\*
- b) Load group Channel "C", consisting of:
  - 1) 125 volt DC buses 1D632, 2D632\*\*  
1D634, 2D634\*\*
  - 2) Fuse box 1D631, 2D631\*\*
- 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

2. Division II consisting of:

- a) Load group Channel "B", consisting of:
  - 1) 125 volt DC buses 1D622, 2D622\*\*  
1D624, 2D624\*\*
  - 2) Fuse box 1D621, 2D621\*\*
- b) Load group Channel "D", consisting of:
  - 1) 125 volt DC buses 1D642, 2D642\*\*  
1D644, 2D644\*\*
  - 2) Fuse box 1D641, 2D641\*\*
- 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 4, 5 and \*.

\*When handling irradiated fuel in the secondary containment.

\*\*Not required to be OPERABLE when the requirements of ACTION c have been satisfied.



## LIMITING CONDITION FOR OPERATION (Continued)

### ACTION:

- a. With less than the Division I or Division II load groups 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 the Division I or Division II load groups of the above required Unit 1 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 less than Division I or Division II of the above required Unit 2 D.C. distribution system energized, either:
  1. Suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment, and operations with a potential for draining the reactor vessel, or
  2. Transfer the Unit 1 and common loads aligned to the deenergized Unit 2 load group(s) to the corresponding Unit 1 load group(s).  
Otherwise, declare the Unit 1 and common loads aligned to the deenergized Unit 2 load group(s) inoperable and take the ACTION required by the applicable Specification(s).
- d. With the Unit 1 loads aligned to one or more of the above required Unit 1 125-volt D.C. load group(s) aligned to the corresponding Unit 2 load group(s), realign the Unit 1 loads to the Unit 1 load group(s) within 72 hours after restoring the Unit 1 load group(s) to OPERABLE status; otherwise, declare the Unit 1 loads aligned to the Unit 2 load group(s) inoperable and take the ACTION required by the applicable Specification(s).
- e. 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).
- f. 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 isolated 480-volt A.C. 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 preferred power source to the transfer switch and verifying that swing bus automatic transfer is accomplished.

INSERT A

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 centers OB516, OB517  
1B216, 1B217
  - 4) 208/120-volt A.C. instrument panels 1Y216
- 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 centers OB536, OB136  
1B236, 1B237
  - 4) 208/120 volt A.C. instrument panels 1Y236
- c) 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

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 centers OB526, OB527  
1B226, 1B227
  - 4) 208/120-volt A.C. instrument panels 1Y226
- 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 centers OB546, OB146  
1B246, 1B247
  - 4) 208/120 volt A.C. instrument panels 1Y246
- c) 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

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~~

~~d) Load group 208/120-volt A.C. instrument panels 1Y216, 1Y236,  
2Y216, 2Y236~~

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

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~~

~~d) Load group 208/120-volt A.C. instrument panels 1Y226, 1Y246,  
2Y226, 2Y246~~

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

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ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

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  
1D611\*\*, 2D611

2) Fuse box

b) Load group Channel "C", consisting of:

1) 125-volt D.C. buses

1D632\*\*, 1D634\*\*,  
2D632, 2D634  
1D631\*\*, 2D631

2) Fuse box

c) Load group "I", consisting of:

1) 250-volt D.C. buses

2D652, 2D254  
2D651,

2) Fuse box

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  
1D621\*\*, 2D621

2) Fuse box

b) Load group Channel "D" consisting of:

1) 125-volt D.C. buses

1D642\*\*, 1D644\*\*,  
2D642, 2D644  
1D641\*\*, 2D641

2) Fuse box

c) Load group "II" consisting of:

1) 250-volt D.C. buses

2D662, 2D264, 2D274  
2D661

2) Fuse box

d) Load group "II" consisting of:

1) ± 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 <sup>Unit 2</sup> 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.

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b.  
c. d.

With one of the above required Unit 2 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.

\*\*Not required to be OPERABLE when the requirements of ACTION <sup>d</sup> have been satisfied.

## ELECTRICAL POWER SYSTEMS

### LIMITING CONDITION FOR OPERATION (Continued)

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#### ACTION (Continued)

*d x.* With one or more of the above required Unit 1 D.C. distribution system load groups not energized, within 2 hours either:

1. Reenergize the load group(s), or
2. Transfer the common loads aligned to the deenergized Unit 1 load group(s) to the corresponding Unit 2 load group(s).

Otherwise, declare the common loads aligned to the deenergized Unit 1 load group(s) inoperable and take the ACTION required by the applicable Specification(s).

*e x.* 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).

#### SURVEILLANCE REQUIREMENTS

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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 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 swing bus automatic transfer is accomplished.

INSERT A

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 centers OB516, OB517,  
1B216, 2B216  
1B217, 2B217  
1Y216, 2Y216
  - 4) 208/120-volt A.C. instrument panels
- 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 centers OB536, OB136  
1B236, 2B236  
2B237
  - 4) 208/120-volt A.C. instrument panels 1Y236, 2Y236
- c) 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

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 centers OB526, OB527  
1B226, 2B226  
1B227, 2B227  
1Y226, 2Y226
  - 4) 208/120-volt A.C. instrument panels
- 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 centers OB546, OB146
  - 4) 208/120-volt A.C. instrument panels 1Y246, 2Y246
- 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

INSERT B

- b. With one of the above required Unit 1 and common A.C. distribution system load groups not energized, re-energize the load group within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.



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~~

~~d) Load group 208/120-volt A.C. instrument panels 1Y216, 1Y236  
2Y216, 2Y236~~

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

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~~

~~d) Load group 208/120-volt A.C. instrument panels 1Y226, 1Y246  
2Y226, 2Y246~~

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'A'

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

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

- 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
- b. For D.C. power distribution, Division I or Division 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 \*\*.

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

\*\*When handling irradiated fuel in the secondary containment.

\*\*\*Not required to be OPERABLE when the requirements of ACTION c have been satisfied.

## ELECTRICAL POWER SYSTEMS

### LIMITING CONDITION FOR OPERATION (Continued)

#### ACTION:

- a. With less than the Division I or Division II load groups 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 the Division I or Division II load groups of the above required Unit 2 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 less than Division I or Division II of the above required Unit 1 D.C. distribution system energized, either:
  1. Suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel, or
  2. Transfer the common loads aligned to the deenergized Unit 1 load group(s) to the corresponding Unit 2 load group(s).Otherwise, declare the common loads aligned to the deenergized Unit 1 load group(s) inoperable and take the ACTION required by the applicable Specification(s).
- d. 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).
- e. 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 isolated 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 swing bus automatic transfer is accomplished.

INSERT A

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 centers 0B516, 0B517  
1B216, 2B216  
1B217, 2B217  
1Y216, 2Y216
  - 4) 208/120-volt A.C. instrument panels
- 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 centers 0B536, 0B136  
1B236, 2B236  
2B237
  - 4) 208/120-volt A.C. instrument panels 1Y236, 2Y236
- c) Isolated 480 volt A.C. swing bus, including:
  - 1) Preferred power source 2B219\*
  - 2) Preferred power source MG set
  - 3) Alternate power source
  - 4) Automatic transfer switch

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, 0B527  
1B226, 2B226  
1B227, 2B227  
1Y226, 2Y226
  - 4) 208/120-volt A.C. instrument panels
- 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, 0B146  
1B246, 2B246  
2B247
  - 4) 208/120-volt A.C. instrument panels 1Y246, 2Y246



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Small handwritten marks or characters in the middle-left area.

Small handwritten mark or character in the middle-right area.

Handwritten scribbles and marks in the bottom-left area, possibly resembling a signature or initials.