

CONTAINMENT SYSTEMS

DRYWELL AIR FLOW SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.6.3 Drywell unit cooler fans 1V414 A&B, 1V416 A&B and recirculation fans 1V418 A&B shall be OPERABLE at low speed.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

With one or more of the above fans inoperable at low speed, restore the inoperable fan(s) to OPERABLE status within 30 days or be in at least NOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

4.6.6.3 Each of the fans required above shall be demonstrated OPERABLE .. least once per 92 days by:

- a. Starting each fan at low speed from the control room, and
- b. Verifying that each fan operates for at least 15 minutes.

- a. With one fan in one or more of the above pairs of fans inoperable at low speed, restore the inoperable fan(s) to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With both fans in any pair inoperable at low speed, follow the requirements of Specification 3.0.3 ..

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CONTAINMENT SYSTEMS

DRYWELL AIR FLOW SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.6.2 Three independent drywell air flow unit cooler subsystems (2V414A,B, 2V415A,B, and 2V416A,B) shall be OPERABLE at low speed with each subsystem consisting of two unit cooler fans.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

~~With one fan of one or more unit cooler subsystems inoperable at low speed, restore the inoperable fan(s) to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.~~

SURVEILLANCE REQUIREMENTS

4.6.6.2 Each drywell air flow unit cooler subsystem required above shall be demonstrated OPERABLE at least once per 92 days by:

- a. Starting each fan at low speed from the control room, and
- b. Verifying that each fan operates for at least 15 minutes.

- a. With one fan in one or more of the above pairs of fans inoperable at low speed, restore the inoperable fan(s) to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With both fans in any pair inoperable at low speed, follow the requirements of Specification 3.0.3

TABLE 3.8.4.1-1 (Continued)
PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTIVE DEVICES

<u>CIRCUIT BREAKER LOCATION</u>	<u>TYPE*</u>	<u>FRAME RATING/UL</u>	<u>TRIP SET POINT (Amperes)</u>	<u>RESPONSE TIME (Milli-seconds/Cycles)</u>	<u>SYSTEMS OR EQUIPMENT POWERED</u>
<u>Type 2 Molded Case Circuit Breakers# (Continued)</u>					
29. 2B246112	HFB-M	150/3	10	NA	HVB212F002 - Reactor Head Vent Valve
30. 2B246113	HFB-M	150/3	10	NA	HVB212F005 - Reactor Heat Vent Valve
31. 2B246062	HFB-M	150/3	15	NA	HV21346 - RBCCW Containment Iso. Vlv.
32. 2B246012	HFB-M	150/3	15	NA	HV21345 - RBCCW Containment Iso.
33. 2B253063	HFB-M	150/5	20	NA	2P402A - Drywell Floor Drain Sump "A" Pump "A"
34. 2B253053	HFB-M	150/5	20	NA	HVG332F102 - Line Suction Inside Control Valve
35. 2B263043	HFB-M	150/3	10	NA	HVG332F100 - RWCU Loop "A" Suction
36. 2B263053	HFB-M	150/3	10	NA	HVG332F106 - RWCU Loop "B" Suction
37. 2B263081	HFB-M	150/3	10	NA	HVG332F101 - RWCU Sys Vessel Drain Line Recirc.
38. 2B263071	HFB-M	150/5	20	NA	2P402B - Drywell Floor Drain Sump "A" Pump "B"
39. 2B253043	HFB-M	150/5	20	NA	2P403A - Drywell Floor Drain Sump "B" Pump "A"
40. 2B263072	HFB-M	150/5	20	NA	2P403B - Drywell Floor Drain Sump "B" Pump "B"
41. 2B253021	HFB-M	150/50	400	NA	HVB212F011A Feedwater Inlet Shutoff Valve
42. 2B263023	HFB-M	150/50	400	NA	HVB212F011B - Feedwater Inlet Shutoff Valve

→ INSERT A

*HFB-M - Westinghouse Type HFB, magnetic only

#Each location number represents two breakers in series.
 SUSQUEHANNA - UNIT 2
 3/4 8-28

INSERT A

TABLE 3.8.4.1-1 (Continued)
PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTIVE DEVICES

<u>CIRCUIT BREAKER LOCATION</u>	<u>TYPE</u>	<u>FRAME RATING/UL</u>	<u>TRIP SET POINT (Amperes)</u>	<u>RESPONSE TIME (Milli-seconds/Cycles)</u>	<u>SYSTEMS OR EQUIPMENT POWERED</u>
<u>Type 2 Molded Case Circuit Breakers# (Continued)</u>					
43 2B236123	**HFB-TM	150/20	NA	NA	2V418A Drywell CRD Area cooling Fan.
44 2B246121	**HFB-TM	150/20	NA	NA	2V418B - Drywell CRD Area Cooling Fan.

**HFB-TM - Westinghouse Type HFB, THERMAL MAGNETIC ONLY

#Each location number represents two breakers in series.
SUSQUEHANNA - UNIT 2



2

2

TABLE 3.8.4.1-1
PRIMARY CONTAINMENT PENETRATION CONDUCTOR
OVERCURRENT PROTECTIVE DEVICES

<u>Circuit Breaker Designation</u>	<u>System/Equipment Powered</u>
A. Type HFB-TM*	
1. 2B237043	Rx Recirc/HV-B31-2F023A
2. 2B219022	Rx Recirc/HV-B31-2F031A
3. 2B219023	Rx Recirc/HV-B31-2F032A
4. 2B246011	Rx Recirc/HV-B31-2F023B
5. 2B229022	Rx Recirc/HV-B31-2F031B
6. 2B229023	Rx Recirc/HV-B31-2F032B
7. 2B236042	Drywell Air Flow/2V411A
8. 2B236032	Drywell Air Flow/2V412A
9. 2B236011	Drywell Air Flow/2V413A
10. 2B236033	Drywell Air Flow/2V414A
11. 2B236082	Drywell Air Flow/2V415A
12. 2B236043	Drywell Air Flow/2V416A
13. 2B236021	Drywell Air Flow/2V417A
14. 15. 2B246091	Drywell Air Flow/2V411B
15. 16. 2B246103	Drywell Air Flow/2V412B
16. 17. 2B246102	Drywell Air Flow/2V413B
17. 18. 2B246061	Drywell Air Flow/2V414B
18. 19. 2B246072	Drywell Air Flow/2V415B
19. 20. 2B246081	Drywell Air Flow/2V416B
20. 21. 2B246051	Drywell Air Flow/2V417B
21. 22. 2B236052	RHR/HV-E11-2F009
22. 23. 2B237073	RHR/HV-E11-2F022
14. 2B236123	Drywell Air Flow / 2V418A
22. 2B246121	Drywell Air Flow / 2V418B

Circuit Breaker
Designation

~~25.25~~.2B237082

~~24.26~~.2B253021

~~25.27~~.2B263023

~~25.28~~.2B253041

~~27.29~~.2B263021

System/Equipment Powered

HPCI/HV-E41-2F002

NSSS/HV-B21-2F011A

NSSS/HV-B21-2F011B

MSIV Hoist/TB0815

MSIV Hoist/TB0816

B. Type HFB-M*

1. 2B236023

2. 2B246022

3. 2B237072

4. 2B236102

5. 2B246112

6. 2B246113

7. 2B236053

8. 2B253053

9. 2B263043

10. 2B263053

11. 2B263081

12. 2B246062

13. 2B246012

14. 2B253063

15. 2B263071

16. 2B253043

17. 2B263072

Cont. Inst. Gas/HV-22603

RCIC/HV-E51-2F007

NSSS/HV-B21-2F016

NSSS/HV-B21-2F001

NSSS/HV-B21-2F002

NSSS/HV-B21-2F005

RWCU/HV-G33-2F001

RWCU/HV-G33-2F102

RWCU/HV-G33-2F100

RWCU/HV-G33-2F106

RWCU/HV-G33-2F101

RBCCW/HV-21346

RBCCW/HV-21345

Drywell Sump/2P402A

Drywell Sump/2P402B

Drywell Sump/2P403A

Drywell Sump/2P403B



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