

3.8.2.5 All containment penetration conductor overcurrent protective devices shown in Table 3.8-1 shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With one or more of the containment penetration conductor overcurrent protective devices shown in Table 3.8-1 inoperable:

- a. De-energize the circuit(s) by tripping the associated backup circuit breaker within 72 hours and verifying the backup circuit breaker to be tripped at least once per 7 days thereafter; the provisions of Specification 3.0.4 are not applicable to overcurrent devices in circuits which have their backup circuit breakers tripped, or
- b. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.8.2.5 All containment penetration conductor overcurrent protective devices shown in Table 3.8-1 shall be demonstrated OPERABLE:

- a. At least once per 18 months:
  1. For at least one 6.9 kv reactor coolant pump circuit, such that all reactor coolant pump circuits are demonstrated OPERABLE at least once per 72 months, by performance of:
    - (a) A CHANNEL CALIBRATION of the associated protective relays, and
    - (b) An integrated system functional test which includes simulated automatic actuation of the system and verifying that each relay and associated circuit breakers and control circuits function as designed.
  2. For molded case circuit breakers, by performance of a functional test of at least one circuit breaker of each type, such that all circuit breakers of each type are demonstrated OPERABLE at least once per  $N \times 18$  months, where  $N$  is the number of circuit breakers of each type. The functional test shall consist of injecting a current input at the specified point to the circuit breaker and verifying that the circuit breaker functions as designed. If any circuit breaker fails to function as designed, all other circuit breakers of that type shall be tested.

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- b. At least once per 60 months by subjecting each circuit breaker to an inspection and preventive maintenance in accordance with procedures prepared in conjunction with its manufacturer's recommendations.

TABLE 3.8-1

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
A. 6900 KVAC		
152-11	152-13 152-14 152-15	RCP 2P32A
152-12	152-13 152-14 152-15	RCP 2P32D
152-22	152-23	RCP 2P32C
B. 480 VAC		
152-21	152-23 152-24	RCP 2P32B
152-22	152-25	
52-131	None, circuit N.A. shall not be energized unless plant is shutdown	Building Crane 2LM2
52-P501 thru 52-P504	52-523	

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-533	52-512	Hydrogen Recombiner 1
52-P601 thru 52-P604	52-623	Proportional Heater Bank 2
52-633	52-612	Hydrogen Recombiner 2
52-731	52-732	MCC 2B71
52-824	52-823	MCC 2B81
52-P701 thru 52-P706	52-922	Pressurizer Backup Heater Bank 3
52-P901 thru 52-P906	52-923	Pressurizer Backup Heater Bank 5
52-P801 thru 52-P806	52-1022	Pressurizer Backup Heater Bank 4
52-1001 thru 52-1006	52-1023	Pressurizer Backup Heater Bank 5

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
C. 480 VAC MCC 52-51A4	52-51H2	Reactor Cavity Cooling Fan 2VSF34A-1
52-51B2	52-51H3	Sump Isolation MOV 2CV-2061-1
52-51D3	52-51H4	Containment Recirculating Fan 2VSF31A-1
52-51D4	52-51H5	Containment Recirculating Fan 2VSF31C-1
52-51E2	52-51H6	Reactor Drain Tank Drain Isolation Valve 2CV-2202-1
52-51F1	52-51H7	RCP Controlled Bleedoff Isolation Valve 2CV- 4846-1
52-51F2	52-51H8	Safety Injection Tank 2T2A Discharge MOV 2CV-5003-1

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-51G2	52-51L2	Shutdown cooling Return Header Iso. Valve 2CV-5084-1
52-51G3	52-51H9	Check Valve Leakage Drain Valve 2CV-5105-1
52-5H1	52-51L3	Safety Injection Tank 2T2B Discharge MOV 2CV-5023-1
52-51K1	52-51L4	Containment Sump Isolation MOV 2CV-5647-1
52-51K3	52-51L5	Containment Air Purge Isolation Valve 2CV-8289-1
52-51K4	52-51L6	Containment Air Purge Isolation Valve 2CV-8291-1
52-51L1	52-51L7	Containment Vent Header Isolation Valve 2CV-2401-1
52-51M1	52-51L8	Regenerative Heat Exchanger Inlct Valve 2CV-4821-1

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-51N3	52-51L9	Reactor Cavity Cooling Fan Bypass Damper 2HC08243-1
52-53G1	52-53A5	Containment Cooling Fan Bypass Damper Motor 2UCDM8203-1
52-53G2	52-53A6	Containment Cooling Fan Bypass Damper Motor 2UCDM8209-1
52-53L1	52-53K5	Containment Cooling Fan 2VSF1A
52-53L2	52-53K6	Containment Cooling Fan 2VSF1B
52-54J2	52-54J3	Containment Elevator Motor 2MM6

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-54K2	52-54J4	Containment Building Lighting Panel 27 LA
52-54K3	52-54J8	RCP 2P3A Oil Lift Pumps 2P63A1 & A2



TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-54K4	52-54F3	RCP 2P32B Oil Lift Pumps 2P63B1 & B2
52-61A4	52-61H3	Reactor Cavity Cooling Fan 2VSF34B-2
52-6103	52-61H4	Containment Recirculating Fan 2VSF31D-2
52-6104	52-61H5	Containment Recirculating Fan 2VSF31B-2
52-61F2	52-61H6	Safety Inject. Tank 2T2C Discharge MOV 2CV-5043-2
52-61G2	52-61K8	Check Valve Leakge Drain Valve 2CV-5106-2
52-61G3	52-61H7	Reactor Cooling System Charging Line MOV 2CV-4831-2
52-61G4	52-61H8	Reactor Cooling system Charging System MOV 2CV-4827-2

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-61H1	52-61K3	Safety Inj. Tank 2T2D Dis. MOV 2CV-5063-2
52-61H2	52-61K7	Containment Sump Iso. MOV 2CV-5648-2
52-61L3	52-61K4	Letdown Line Stop Valve 2CV-4820-2
52-61N2	52-61K6	Reactor Cavity Cooling Fan Damper 2HCO 8244-2
52-62E5	52-62C2	Shutdown Cooling Return Header Iso. Valve 2CV-5086-2
52-63F2	52-63E1	Containment Chilled Water Isol. Valve 2CV-3850-2

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-63G4	52-63E2	RCP Cooler Iso. Valve 2CV-5254-2
52-63L1	52-63J1	Containment Cooling Fan 2VSF1C

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
52-63L2	52-63J2	Containment Cooling Fan 2VSF1D
52-64D4	52-64B3	Containment Cooling Fan Bypass Damper Motor 2UCDM 8216-2
52-64E3	52-64B4	Pressurizer Auxiliary Spray MOV 2CV-4824-2
52-64E4	52-64C2	Containment Cooling Fan Bypass Damper Motor 2UCDM 8222-2
52-64J1	52-64B1	RCP 2P32C Oil Lift Pumps 2P63C1 & C2
52-64K1	52-64H2	RCP 2P32D Oil Lift Pumps 2P63D1 & D2

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

<u>Primary Device</u> <u>Number</u>	<u>Backup Device</u> <u>Number</u>	<u>System Powered</u>
D. 480 /277 21PA-19	52-15C1	Space Heater for RCP 2P32A
21PA-25	52-15C1	Space Heater for RCP 2P32B
21PA-31	52-15C1	Space Heater for RCP 2P32C
21PA-20	52-15C1	Space Heater for RCP 2P32D

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
E. 125 VAL 72-0318	72-0320	Containment Bldg 125 VDC Lighting Panel 22DA
72-26A3	72-26A2	Pressurizer Vent Valve 2CV-4697-2
72-27A3	72-27A2	Pressurizer Vent Valve 2CV- 4698-1
6 amp fuse in 2C116	2D21BKR26	RCS Sample Line Solenoid Valves 2SV- 4632,39 & 65

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
F. 240 VAL		
CEA 1	CB3021	CEA 1
CB101	& CB3022	
CEA 2	CB3001	CEA 2
CB101		
CEA 3	CB3001	CEA 3
CB102		
CEA 4	CB3001	CEA 4
CB103		
CEA 5	CB3001	CEA 5
CB104		
CEA 6	CB3002	CEA 6
CB101		

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 7 CB102	CB3002	CEA 7
CEA 8 CB103	CB3002	CEA 8



TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 9	CB3002	CEA 9
CB 104 CEA 10	CB3002	CEA 10
CB 101 CEA 11	CB3003	CEA 11
CB 102 CEA 12	CB3003	CEA 12
CB103 CEA 13	CB3003	CEA 13
CB104 CEA 14	CB3004	CEA 14
CB101 CEA 16	CB3004	CEA 16
CB102 CEA 18	CB3004	CEA 18
CB 103 CEA 20	CB3004	CEA 20
CB104	CB3004	CEA 20

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 15	CB3005	CEA 15
CEA101 CEA 17	CB3005	CEA 17
CB102 CEA 19	CB3005	CEA 19
CB103 CEA 21	CB3005	CEA 21
CB104 CEA 22	CB3006	CEA 22
CB101 CEA 23	CB3006	CEA 23
CB102 CB24	CB3006	CEA 24
CB103 CEA 25	CB3006	CEA 25
CB104 CEA 26	CB3007	CEA 26
CB101		

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 27	CB3007	CEA 27
CB 102		
CEA 28	CB3007	CEA 28
CB 103		
CEA 29	CB3007	CEA 29
CB104		
CEA 30	CB3008	CEA 30
CB101		
CEA 32	CB3008	CEA 32
CB102		
CEA 34	CB3008	CEA 34
CB103		
CEA 36	CB3008	CEA 36
CB104		
CEA 31	CB3009	CEA 31
CB101		
CEA 33	CB3009	CEA 33
CB102		

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 35	CB3009	CEA 35
CB10 CEA 37	CB3009	CEA 37
CB104 CEA 38	CB3010	CEA 38
CB101 CEA 40	CB3010	CEA 40
CB102 CEA 42	CB3010	CEA 42
CB103 CEA 44	CB3010	CEA 44
CB104 CEA 39	CB3011	CEA 39
CB101 CEA 41	CB3011	CEA 41
CB102 CEA 43	CB3011	CEA 43
CB103		

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 45		
CB104	CB3011	CEA 45
CEA 46		
CB101	CB3012	CEA 46
CEA 47		
CB102	CB3012	CEA 47
CEA 48		
CB103	CB3012	CEA 48
CEA 49		
CB104	CB3012	CEA 49
CEA 50		
CB101	CB3013	CEA 50
CEA 52		
CB102	CB3013	CEA 52
CEA 54		
CB103	CB3013	CEA 54
CEA 56		
CB104	CB3013	CEA 56

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 51	CB3014	CEA 51
CB101		
CEA 53	CB3014	CEA 53
CB102		
CEA 55	CB3014	CEA 55
CB103		
CEA 57	CB3014	CEA 57
CB104		
CEA 58	CB3015	CEA 58
CB101		
CEA 59	CB3015	CEA 59
CB102		
CEA 60	CB3015	CEA 60
CB103		
CEA 61	CB3015	CEA 61
CB104		
CEA 62	CB3016	CEA 62
CB101		

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 64	CB3016	CEA 64
CB102 CEA 66	CB3016	CEA 66
CB103 CEA 68	CB3016	CEA 68
CB104 CEA 63	CB3017	CEA 63
CB101 CEA 65	CB3017	CEA 65
CB102 CEA 67	CB3017	CEA 67
CB103 CEA 69	CB3017	CEA 69
CB104 CEA 70	CB3018	CEA 70
CB101 CEA 73	CB3018	CEA 73
CB102		

TABLE 3.8-1 (continued)

CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

Primary Device Number	Backup Device Number	System Powered
CEA 76	CB3018	CEA 76
CB103		
CEA 79	CB3018	CEA 79
CB104		
CEA 71	CB3019	CEA 71
CB101		
CEA 74	CB3019	CEA 74
CB102		
CEA 77	CB3019	CEA 77
CEA 103		
CEA 80	CB3019	CEA 80
CB104		
CEA 72	CB3020	CEA 72
CB101		
CEA 75	CB3020	CEA 75
CB102		
CEA 78	CB3020	CEA 78
CB1		
CEA 81	CB3020	CEA 81
CB104		



TABLE 3.8-1

Table Notation Deleted