

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
(c) RHR Shutdown Cooling Suction Isolation Valve X				M-51-1
Inside: HV-F009 (BC-V071)	P3	45	3	
Outside: HV-F008 (BC-V164)	P3	45	3	
(d) RHR Head Spray Isolation Valve X				M-51-1
Inside: HV-F022 (BC-V021)	P10	60	3	
Outside: HV-F023 (BC-V020)	P10	60	3	
(e) RHR Shutdown Cooling Return Isolation Valves				M-51-1
Outside:				
Loop A: HV-F015A (BC-V110)	P4B	45	3	
Loop B: HV-F015B (BC-V013)	P4A	45	3	
4. Group 4 - Core Spray System				
Outside:				
(a) Core Spray Test to Suppression Pool Isolation Valves				M-52-1
Loop A: HV-F015A (BE-V025)	P217B	80	4	
Loop B: HV-F015B (BE-V026)	P217A	80	4	
5. Group 5 - High Pressure Coolant Injection (HPCI) System				
(a) HPCI Turbine Steam Supply Isolation Valves				M-55-1
Inside: HV-F002 (FD-V001)	P7	NA	3	
HV-F100 (FD-V051)	P7	NA	3	
Outside: HV-F003 (FD-V002)	P7	NA	3	
(b) HPCI Pump Suction Isolation Valve				M-55-1
Outside:				
HV-F042 (BJ-V009)	P202	NA	4	

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
Outside:				
(b) RCIC Pump Suction Isolation Valve HV-F031 (BD-V003)	P208	NA	4	M-49-1
Outside:				
(c) RCIC Minimum Return Line Isolation Valve SV-F019	P209	NA	4	M-49-1
Outside:				
(d) RCIC Vacuum Pump Discharge HV-F060 (FC-V011)	P210	NA	4	M-49-1
(e) Feedwater Line Discharge Valve Outside:				
HV-F013 (BD-V005)	P2A	NA	2	M-49-1
4. Group 25 - Core Spray System				
(a) Core Spray injection Valves				M-52-1
Outside:				
Loop A&C HV-F005A (BE-V007)	P5B	NA	3	
Loop B&D HV-F005B (BE-V003)	P5A	NA	3	
(b) Core Spray Suppression Pool Suction Valves				M-52-1
Outside:				
Loop A HV-F001A (BE-V017)	P216D	NA	4	
Loop B HV-F001B (BE-V019)	P216A	NA	4	
Loop C HV-F001C (BE-V018)	P216C	NA	4	
Loop D HV-F001D (BE-V020)	P216B	NA	4	
(c) Core Spray Minimum Flow Valves				M-52-1
Outside:				
Loop A&C HV-F031A (BE-V035)	P217B	NA	4	
Loop B&D HV-F031B (BE-V036)	P217A	NA	4	
(d) Core Spray Injection Line Bypass Valves				M-52-1
Inside:				
HV-F039A (BE-V071)	P5B	NA	3	
HV-F039B (BE-V072)	P5A	NA	3	

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>PENETRATION NUMBER</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>	<u>NOTE(S)</u>	<u>P&ID</u>
5. Group 26 - Residual Heat Removal System				
(a) Low Pressure Coolant Injection Valves				M-51-1
Outside:				
Loop A: HV-F017A (BC-V113)	P6C	NA	3	
Loop B: HV-F017B (BC-V016)	P6B	NA	3	
Loop C: HV-F017C (BC-V101)	P6D	NA	3	
Loop D: HV-F017D (BC-V004)	P6A	NA	3	
(b) RHR Containment Spray				M-51-1
Outside:				
Loop A: HV-F021A (BC-V116)	P24B	NA	3	
HV-F016A (BC-V115)	P24B	NA	3	
Loop B: HV-F021B (BC-V019)	P24A	NA	3	
HV-F016B (BC-V010)	P24A	NA	3	
(c) RHR Suppression Pool Suction				M-51-1
Outside:				
Loop A: HV-F004A (BC-V103)	P211C	NA	4	
Loop B: HV-F004B (BC-V006)	P211B	NA	4	
Loop C: HV-F004C (BC-V098)	P211D	NA	4	
Loop D: HV-F004D (BC-V001)	P211A	NA	4	
(d) RHR Minimum Flow Isolation Valves				M-51-1
Outside:				
Loop A: HV-F007A (BC-V128)	P212B	NA	4	
Loop B: HV-F007B (BC-V031)	P212A	NA	4	
Loop C: HV-F007C (BC-V131)	P212B	NA	4	
Loop D: HV-F007D (BC-V034)	P212A	NA	4	

TABLE 3.6.3-1 (Continued)
PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
(e) Bypass Valves on LPCI Injection Lines				M-51-1
Inside:				
HV-F146A (BC-V119)	P6C	NA	3	
HV-F146B (BC-V120)	P6B	NA	3	
HV-F146C (BC-V121)	P6D	NA	3	
HV-F146D (BC-V122)	P6A	NA	3	
(f) Bypass Valves on Shutdown Cooling Return Lines				M-51-1
Inside:				
HV-F122A (BC-V117)	P4B	NA	3	
HV-F122B (BC-V118)	P4A	NA	3	
6. Group 27 - Standby Liquid Control				M-48-1
Outside:				
HV-F006A (BH-V028)	P18	NA	3	
HV-F006B (BH-V054)	P18	NA	3	
7. Group 28 - Containment Atmosphere Control System				
Suppression Chamber Vacuum Relief				M-57-1
Outside:				
HV-5031 (GS-V038)	P220	NA	3	
HV-5029 (GS-V080)	P219	NA	3	
8. Group 69 - TIP System				
Explosive Shear Valves				M-59-1
Outside:				
SE-XV-J004B1 (SE-V021)	P34A	NA	7	
SE-XV-J004B2 (SE-V022)	P34B	NA	7	
SE-XV-J004B3 (SE-V023)	P34C	NA	7	
SE-XV-J004B4 (SE-V024)	P34D	NA	7	
SE-XV-J004B5 (SE-V025)	P34E	NA	7	

TABLE 3.6.3-1 (Continued)
PRIMARY CONTAINMENT ISOLATION VALVES

VALVE FUNCTION AND NUMBER	PENETRATION NUMBER	MAXIMUM ISOLATION TIME (Seconds)	NOTE(S)	P&ID
(d) RHR Shutdown Cooling Suction Thermal Relief Valve				M-51-1
Inside:				
BC-PSV-4425	P3	NA	3	M-51-1
(e) LPCI Injection Line Check Valves				
Inside:				
HV-F041A (BC-V114)	P6C	NA	3	
HV-F041B (BC-V017)	P6B	NA	3	
HV-F041C (BC-V102)	P6D	NA	3	
HV-F041D (BC-V005)	P6A	NA	3	
(f) Shutdown Cooling Return Line Check Valves				M-51-1
Inside:				
HV-F050A (BC-V111)	P4B	NA	3	
HV-F050B (BC-V014)	P4A	NA	3	
(g) RHR Suppression Pool Return Valves				M-51-1
d Outside:				
HV-F011A (BC-V126)	P212B	NA	4	
HV-F011B (BC-V026)	P212A	NA	4	
10. Group 40 - Core Spray System				M-52-1
(a) Thermal Relief Valves				
Outside:				
Loop A&C: BE-PSV-F012A	P217B	NA	5	
Loop B&D: BE-PSV-F012B	P217A	NA	5	
(b) Core Spray Injection Line Check Valves Inside:				M-52-1
HV-F006A (BE-V006)	P5B	NA	3	
HV-F006B (BE-V002)	P5A	NA	3	
11. Group 41 - Drywell Pressure Instrumentation				M-42-1
Outside:				
BB-V563	J6A	NA	6	
BB-V564	J8D	NA	6	
BB-V565	J7A	NA	6	
BB-V566	J10D	NA	6	