

**TABLE 3.6.4-1
CONTAINMENT AND DRYWELL ISOLATION VALVES**

<u>SYSTEM AND VALVE NUMBER</u>	<u>PENETRATION NUMBER</u>	<u>VALVE GROUP</u> ^(a)	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
2. Automatic Isolation Valves[#]			
a. Containment			
Main Steam Lines	B21-F028A	5(0)*	1 5
Main Steam Lines	B21-F022A	5(I)*	1 5
Main Steam Lines	B21-F067A-A	5(0)*	1 9
Main Steam Lines	B21-F028B	6(0)*	1 5
Main Steam Lines	B21-F022B	6(I)*	1 5
Main Steam Lines	B21-F067B-A	6(0)*	1 9
Main Steam Lines	B21-F028C	7(0)*	1 5
Main Steam Lines	B21-F022C	7(I)*	1 5
Main Steam Lines	B21-F067C-A	7(0)*	1 9
Main Steam Lines	B21-F028D	8(0)*	1 5
Main Steam Lines	B21-F022D	8(I)*	1 5
Main Steam Lines	B21-F067D-A	8(0)*	1 9
RHR Reactor Shutdown Cooling Suction	E12-F008-A	14(0)	3 40
RHR Reactor Shutdown Cooling Suction	E12-F009-B	14(I)	3 40
Steam Supply to RHR and RCIC Turbine	E51-F063-B	17(I)	4 20
Steam Supply to RHR and RCIC Turbine	E51-F064-A	17(0)	4 20
Steam Supply to RHR and RCIC Turbine	E51-F076-B	17(I)	4 20
RHR to Head Spray	E12-F023-A	18(0)	3 43
RHR to Head Spray	E12-F394-B	18(I)	3 94 35**

(a) See Specification 3.3.2, Table 3.3.2-1, for isolation signal(s) that operates each valve group.

(b) Deleted

(c) Hydrostatically tested with water to 1.10 P_a, 12.65 psig.

(d) Hydrostatically tested by pressurizing system to 1.10 P_a, 12.65 psig.

(e) Hydrostatically tested during system functional tests.

(f) Deleted

(g) Normally closed or locked closed manual valves may be opened on an intermittent basis under administrative control.

*The provisions of Specification 4.0.4 are not applicable for entry into OPERATIONAL CONDITIONS 2 or 3 provided the surveillance is performed within 12 hours after reaching a reactor steam pressure of 600 psig and prior to entry into OPERATIONAL CONDITION 1.

#The "-A, -B, -C, -(A), -(B), -(C)" designators on the valve numbers indicate associated electrical divisions.

~~##Initial closure time. Final closure time to be determined during ASME Section XI testing. Any required change to this closure time shall be submitted to the Commission within 90 days of the second closure time test completion.~~

2. (NPE-86/01)

SUBJECT: Technical Specification 3.7.6.2.b page 3/4 7-20

DISCUSSION: The proposed technical specification change results from a design change to install a wet pipe automatic sprinkler system in fire zones 1A424, 1A417, and 1A428 elevation 166' - 0" of the auxiliary building. This sprinkler system will be designed and installed in accordance with NFPA 13, 1980 edition.

This design change is scheduled for implementation prior to the first refueling outage. MP&L requests NRC review and concurrence by June 1, 1986 in order to allow flexibility in the design change schedule before the first refueling outage. As done on several recent Technical Specification changes involving design changes to the plant, it is requested that the NRC issue the change with an open effective date and require that MP&L notify the NRC within 30 days of the effective date of implementation of the affected technical specification changes.

JUSTIFICATION: The setdown area (Fire Zone 1A424) will be used to store combustibles during refueling operations. This creates a potential for a fire during refueling that could damage cables associated with Division II safe shutdown components. Fire Zone 1A424 is located west of Fire Zone 1A417 and North of Fire Zone 1A428. Both Fire Zones 1A417 and 1A428 contain Division I and II safe shutdown components and are separated from each other by Fire Zone 1A424. With the potential to store high volumes of combustibles in Fire Zone 1A424 during refueling, a postulated fire originating in this area could affect, or propagate to affect more than one train of safe shutdown. This area contains no redundant safe shutdown-related raceways but does contain safety-related cable... Fire protection features consisting of ionization smoke detectors, accessibility to manual hose streams, and portable fire extinguishers are provided for this area. The ionization smoke detection system alarms both locally and in the control room assuring prompt notification of plant personnel.

Following discussions with the NRC staff, MP&L committed in a July 16, 1982 letter to Mr. Harold R. Denton from L. F. Dale to install automatic sprinkler coverage in Fire Zone 1A424 prior to the commencement of the first regularly scheduled refueling outage. The proposed change is being submitted to satisfy the above commitment. Included with this change, is a drawing showing the area to be covered by the Sprinkler System, which will include coverage into areas 1A417 and 1A428.

SIGNIFICANT HAZARDS CONSIDERATION:

The design change associated with this proposed technical specification change will provide increased fire protection for area 1A424. Following installation, this change will reduce the potential for damage to electrical cables of safe shutdown systems.

The proposed change does not involve a significant increase in the probability or consequences of an accident previously evaluated because it adds improvements not currently listed in the technical specifications. The potential or probability of fire damage to electrical cables of safe shutdown systems in the adjacent areas to 1A424 will be reduced by this proposed change and thus will further mitigate consequences of a fire related accident initiating from this area.

The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated. This change is being proposed to reduce the possible effects of fire related accidents and does not create the possibility of any new or different kind of accident from those presently analyzed. The piping meets all applicable code requirements. The supports have been seismically analyzed for II/I concerns. No new failure modes are created.

The proposed change does not involve a significant reduction in the margin of safety because with the addition of the sprinkler system, the margin of safety involving fire protection of cables associated with Division II is increased.

In its guidance on applying the criteria of 10CFR50.92(c), the Commission stated that amendments adding requirements not listed in the technical specifications, would not involve significant hazards consideration. [48 FED. REG. 14864, 14870 (1983)] The proposed change falls in this category and therefore involves no significant hazards consideration.

PLANT SYSTEMS

SPRAY AND/OR SPRINKLER SYSTEMS

LIMITING CONDITION FOR OPERATION

3.7.6.2 The following spray/sprinkler systems shall be OPERABLE:

- a. Diesel Generator Building
 - 1. Diesel Generator A pre-action sprinkler system N1P64D142A
 - 2. Diesel Generator B pre-action sprinkler system N1P64D142B
 - 3. Diesel Generator C pre-action sprinkler system N1P64D142C

- b. Auxiliary Building*
 - 1. Elevation 93'/103' Northeast Corridor N1P64D150
 - 2. Elevation 119' Northeast Corridor N1P64D151
 - 3. Elevation 139' Northeast Corridor N1P64D152
 - 4. Elevation 166' Northeast Corridor N1P64D153
 - 5. Elevation 119' West Corridor N1P64D158
 - 6. Elevation 139' West Corridor N1P64D159
 - 7. Elevation 166' Northwest Corridor N1P64D162

- c. Control Building*
 - 1. Elevation 148' Lower Cable Room N1P64D154
 - 2. Elevation 189' Upper Cable Room N1P64D155
 - 3. Elevation 93' NSP64D140

- d. Fire Pump House* NSP64D136A/B

APPLICABILITY: Whenever equipment protected by the spray/sprinkler systems is required to be OPERABLE.

ACTION:

- a. With one or more of the above required spray and/or sprinkler systems inoperable, within one hour establish a continuous fire watch with backup fire suppression equipment for those areas in which redundant systems or components could be damaged; for other areas, establish an hourly fire watch patrol.
- b. The provisions of Specification 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.6.2 The above required spray and sprinkler systems shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve, manual, power operated or automatic, in the flow path is in its correct position.

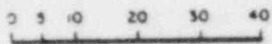
*Wet pipe sprinkler system.



AUXILIARY BLDG
ELEVATION 166'-0"

NOTES

- 3-HOURS FIRE DELINEATION
- 2-HOURS FIRE DELINEATION
- PUBLIC ADDRESS (PA)
- 120 VAC OUTLET
- HOSE STATION
- DOOR
- NORMAL ROUTE
- ALTERNATE ROUTE
- FIRE EXTINGUISHER
- DRY CHEMICAL
- HALON
- WATER



SCALE
(IN FEET)

MATCHES AREA
1A404

