

## INSTRUMENTATION

### FIRE DETECTION INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

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3.3.3.8 As a minimum, the fire detection instrumentation for each fire detection zone shown in Table 3.3-11 shall be OPERABLE.

APPLICABILITY: Whenever equipment protected by the fire detection instrument is required to be OPERABLE.

#### ACTION:

- a. With any, but not more than one-half the total in any fire zone Function A fire detection instruments shown in Table 3.3-11 inoperable, restore the inoperable instrument(s) to OPERABLE status within 14 days or within the next 1 hour establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside the containment or annulus, then inspect that containment or annulus zone at least once per 8 hours or for the containment, monitor air temperature at least once per hour at the locations listed in Specification 4.6.1.5.
- b. With more than one-half of the Function A fire detection instruments in any fire zone shown in Table 3.3-11 inoperable, or with any Function B fire detection instruments shown in Table 3.3-11 inoperable, or with any two or more adjacent fire detection instruments shown in Table 3.3-11 inoperable, within 1 hour establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside the containment or annulus, then inspect that containment or annulus zone at least once per 8 hours or for the containment, monitor air temperature at least once per hour at the locations listed in Specification 4.6.1.5.
- c. The provisions of Specification 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.3.3.8.1 Each of the above required fire detection instruments which are accessible during plant operation shall be demonstrated OPERABLE at least once per 6 months by performance of a CHANNEL FUNCTIONAL TEST. Fire detectors which are not accessible during plant operation shall be demonstrated OPERABLE by the performance of a CHANNEL FUNCTIONAL TEST during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.

4.3.3.8.2 The NFPA Standard 720 supervised circuits supervision associated with the detector alarms of each of the above required fire detection instruments which are accessible during plant operation shall be demonstrated OPERABLE at least once per 6 months. Circuits which are not accessible during plant operation shall be demonstrated OPERABLE during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.

TABLE 3.3-11 (Continued)  
FIRE DETECTION INSTRUMENTS

ZONE	ROOM NAME/NUMBER	ELEVATION (ft)	TOTAL NUMBER OF INSTRUMENTS*		
			HEAT (x/y)	FLAME (x/y)	SMOKE (x/y)
1. REACTOR AUXILIARY BUILDING (Continued)					
RAB 25	Equip. Access Area/226 (wing area)	+21			15/0
RAB 27A	H&V Room/124	+ 7			0/6
RAB 27B	Electrical Area and Health Physics Offices/122	+ 7			0/35
RAB 27C	I&C Room/120	+ 7			0/2
RAB 27D	Communications Equip. Room/123	+ 7			1/0
RAB 31	Corridors and Passageways	- 4			0/24
	Corridors on eastside	- 4			0/21
RAB 32	Wing Area westside - Auxiliary Com- ponent Cooling Water Pump "A"/B53 and Pipe Penetration Area/B100	-35 & - 4			32/0
	Wing Area Center/B53 and B100	-35 & - 4			28/0
	Wing Area eastside-Component Cooling Water Pump "B"/B53 and Pipe Penetration Area/B100	-35 - 4			31/0
RAB 33	S/D Cooling Heat Exchangers A&B/B20 & B48	-35			0/18
RAB 34	Valve Operating Enclosure Bay Room "A"/B54	-15.5			2/0
	Valve Operating Enclosure Bay Room "B" B55A	-15.5			4/0
RAB 35	Safety Injection Pump Room B/B16	-35			10/0
RAB 36	Safety Injection Pump Room A/B15	-35			10/0
RAB 37	Motor-Driven Emergency Feedpump "A"/B49A	-35			0/1
RAB 38	Motor-Driven Emergency Feedpump "B"/B49B	-35			1/0
RAB 39	General Equipment Area/B5, 12, 13, & 49	-35			0/10
	Corridors & General Equip. Areas/B5, 1, 2, 3, 4, 39, 40, 41, 42, 44 & 46	-35			0/28
	East Corridor & General Equip. Areas/ B17, 23 & 25	-35			0/15
	BA Make-up Tank "A"/B38	-35			4/0
	BA Make-up Tank "B"/B53A	-35			4/0
RAB 40	Diesel Storage Tank "A"/B50	-35			3/0
RAB 41	Diesel Storage Tank "B"/B52	-35			3/0

ATTACHMENT B

TABLE 3.3-11 (Continued)  
FIRE DETECTION INSTRUMENTS

		TOTAL NUMBER OF INSTRUMENTS*			
<u>ZONE</u>	<u>ROOM NAME/NUMBER</u>	<u>ELEVATION (ft)</u>	<u>HEAT (x/y)</u>	<u>FLAME (x/y)</u>	<u>SMOKE (x/y)</u>
1. REACTOR AUXILIARY BUILDING (Continued)					
RAB 25	Equip. Access Area/226 (wing area)	+21			15/0
RAB 27A	H&V Room/124	+ 7			0/6
RAB 27B	Electrical Area and Health Physics Offices/122	+ 7			0/35
RAB 27C	I&C Room/120	+ 7			0/6
RAB 27D	Communications Equip. Room/123	+ 7			1/0
RAB 31	Corridors and Passageways	- 4			0/24
	Corridors on eastside	- 4			0/21
RAB 32	Wing Area westside - Auxiliary Com- ponent Cooling Water Pump "A"/B53 and Pipe Penetration Area/B100	-35 & - 4			32/0
	Wing Area Center/B53 and B100	-35 & - 4			28/0
	Wing Area eastside-Component Cooling Water Pump "B"/B53 and Pipe Penetration Area/B100	-35 - 4			31/0
RAB 33	S/D Cooling Heat Exchangers A&B/B20 & B48	-35			0/18
RAB 34	Valve Operating Enclosure Bay Room "A"/B54	-15.5			2/0
	Valve Operating Enclosure Bay Room "B" B55A	-15.5			4/0
RAB 35	Safety Injection Pump Room B/B16	-35			10/0
RAB 36	Safety Injection Pump Room A/B15	-35			10/0
RAB 37	Motor-Driven Emergency Feedpump "A"/B49A	-35			0/1
RAB 38	Motor-Driven Emergency Feedpump "B"/B49B	-35			1/0
RAB 39	General Equipment Area/B5, 12, 13, & 49	-35			0/10
	Corridors & General Equip. Areas/B5, 1, 2, 3, 4, 39, 40, 41, 42, 44 & 46	-35			0/28
	East Corridor & General Equip. Areas/ B17, 23 & 25	-35			0/15
	BA Make-up Tank "A"/B38	-35			4/0
	BA Make-up Tank "B"/B53A	-35			4/0
RAB 40	Diesel Storage Tank "A"/B50	-35			3/0
RAB 41	Diesel Storage Tank "B"/B52	-35			3/0

NPF-38-03



DESCRIPTION AND SAFETY ANALYSIS  
OF PROPOSED CHANGE NPF-38-03

This is a request to revise Table 3.6-2 "Containment Isolation Valves" of Technical Specification 3.6.3 "Containment Isolation Valves" by correcting the identification numbers of three valves.

Existing Specification

See Attachment "A"

Proposed Specification

See Attachment "B"

Description

Table 3.6-2 lists those containment isolation valves required operable by Technical Specification 3.6.3. In listing the valves, two unique valve numbers are supplied for each. For instance, the manual/remote manual SIS from HPSI Loop 1A valve associated with penetration 55 carries the number 2SI-V1550A1 (SI 225A). The first number (2SI-V1550A1) is the unique identifier assigned by the Architect-Engineer while the second number in parentheses (SI 225A) is the unique identifier assigned by LP&L.

The proposed change involves correcting typographical errors in three LP&L identifiers for manual/remote manual valves in Table 3.6-2. These changes are:

<u>Penetration Number</u>	<u>Existing Valve Number</u>	<u>Proposed Change</u>
53	2CA-V600 (CVR 301B)	2CA-V600 (CVR 301A)
63	2SA-V114 (LRT 101)	2SA-V114 (LRT 109)
63	2SA-V604 (LRT 102)	2SA-V604 (LRT 110)

Safety Analysis

The proposed change described above shall be deemed to involve a significant hazards consideration if there is a positive finding in any of the following areas:

1. Will operation of the facility in accordance with this proposed change involve a significant increase in the probability or consequences of any accident previously evaluated?

Response: NO

The proposed change will place the correct LP&L valve number in Table 3.6-2 resulting in agreement between the Technical Specifications and other plant documents. Therefore, the proposed change

will not involve an increase in the probability or consequences of any accident previously evaluated.

2. Will operation of the facility in accordance with this proposed change create the possibility of a new or different kind of accident from any accident previously evaluated?

Response: NO

Substituting the correct valve numbers in Table 3.6-2 introduces no new perturbation to the plant hardware or procedures. Therefore, the proposed change will not create the possibility of a new or different kind of accident from any any accident previously evaluated.

3. Will operation of the facility in accordance with this proposed change involve a significant reduction in a margin of safety?

Response: NO

Substituting the correct valve numbers in Table 3.6-2 introduces no new perturbation to the plant hardware or procedures. Therefore, the proposed change will not involve a reduction in a margin of safety.

The Commission has provided guidance concerning the application of standards for determining whether a significant hazards consideration exists by providing certain examples (48 FR 14870) of amendments that are considered not likely to involve significant hazards considerations. Example (i) relates to a purely administrative change to technical specifications, (i.e. a change to achieve consistency throughout the technical specifications, correction of an error, or a change in nomenclature).

The purpose of the proposed change is to correct the identifying numbers for three containment isolation valves of Table 3.6-2 and bring the Technical Specification into conformance with other plant documents. Therefore, the proposed change is similar to example (i).

#### Safety and Significant Hazards Determination

Based on the above Safety Analysis, it is concluded that: (1) the proposed change does not constitute a significant hazards consideration as defined by 10CFR50.91; and (2) there is a reasonable assurance that the health and safety of the public will not be endangered by the proposed change; and (3) this action will not result in a condition which significantly alters the impact of the station on the environment as described in the NRC Final Environmental Statement.

ATTACHMENT A



## CONTAINMENT SYSTEMS

### 3/4.6.3 CONTAINMENT ISOLATION VALVES

#### LIMITING CONDITION FOR OPERATION

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3.6.3 The containment isolation valves specified in Table 3.6-2 shall be OPERABLE with isolation times as shown in Table 3.6-2.

APPLICABILITY: MODES 1, 2, 3, and 4.

#### ACTION:

With one or more of the isolation valve(s) specified in Table 3.6-2 inoperable, maintain at least one isolation valve OPERABLE in each affected penetration that is open and either:

- a. Restore the inoperable valve(s) to OPERABLE status within 4 hours, or
- b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position, or
- c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange; or
- d. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

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4.6.3.1 The isolation valves specified in Table 3.6-2 shall be demonstrated OPERABLE prior to returning the valve to service after maintenance, repair or replacement work is performed on the valve or its associated actuator, control or power circuit by performance of a cycling test and verification of isolation time.

TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES\*\*

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
6. Manual/Remote Manual (Continued)			
48	2HV-B190A (CAR202A)*	CARS Exhaust	N.A.
51	2FS-V145A/B (FS405)*	Refueling Cavity Purification Inlet	N.A.
51	2FS-V144A/B (FS406)*	Refueling Cavity Purification Inlet	N.A.
53	2CA-V600 (CVR 301B)*	Instrument H&V	N.A.
55	2SI-V1550A1 (SI 225A)*	SIS from HPSI Loop 1A	N.A.
55	2SI-V1545B1 (SI 225B)*	SIS from HPSI Loop 1A	N.A.
56	2SI-V1546A2 (SI 226A)*	SIS from HPSI Loop 1B	N.A.
56	2SI-V1540B2 (SI 226B)*	SIS from HPSI Loop 1B	N.A.
57	2SI-V1542A3 (SI 227A)*	SIS from HPSI Loop 2A	N.A.
57	2SI-V1547B3 (SI 227B)*	SIS from HPSI Loop 2A	N.A.
58	2SI-V1548A4 (SI 228A)*	SIS from HPSI Loop 2B	N.A.
58	2SI-V1544B4 (SI 228B)*	SIS from HPSI Loop 2B	N.A.
59	2SI-V1570 (SI344)*	SIT Drain to RWSP	N.A.
62	2FS-V165A/B (FS416)	Refueling Cavity Drain	N.A.

TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES\*\*

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
6.	Manual/Remote Manual (Continued)		
62	2FS-V164A/B (FS415)	Refueling Cavity Drain	N.A.
63	2SA-V114 (LRT101)	ILRT Connection	N.A.
63	2SA-V604 (LRT102)	ILRT Connection	N.A.
65	2SA-V609 (LRT202)	ILRT Test Connection	N.A.
65	2SA-V611 (LRT204)	ILRT Test Connection	N.A.
65	2SA-V610 (LRT201)	ILRT Test Connection	N.A.
65	2SA-V612 (LRT203)	ILRT Test Connection	N.A.
65	2SA-V620 (LRT2011)	ILRT Test Connection	N.A.
65	2SA-V621 (LRT 2031)	ILRT Test Connection	N.A.
65	2CA-V601 (CVR 301B)*	Instrument H&V	N.A.
69	2SI-V1556 (SI 506A)*	SI Hot Leg Injection	N.A.
70	2SI-V1559 (SI 506B)*	SI Hot Leg Injection	N.A.
71	2DW-V642 (CMU244)*	Demineralized Water	N.A.

*Continued*  
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ATTACHMENT B

TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES\*\*

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
6. Manual/Remote Manual (Continued)			
48	2HV-B190A (CAR202A)*	CARS Exhaust	N.A.
51	2FS-V145A/B (FS405)*	Refueling Cavity Purification Inlet	N.A.
51	2FS-V144A/B (FS406)*	Refueling Cavity Purification Inlet	N.A.
53	2CA-V600 (CVR 301A)*	Instrument H&V	N.A.
55	2SI-V1550A1 (SI 225A)*	SIS from HPSI Loop 1A	N.A.
55	2SI-V1545B1 (SI 225B)*	SIS from HPSI Loop 1A	N.A.
56	2SI-V1546A2 (SI 226A)*	SIS from HPSI Loop 1B	N.A.
56	2SI-V1540B2 (SI 226B)*	SIS from HPSI Loop 1B	N.A.
57	2SI-V1542A3 (SI 227A)*	SIS from HPSI Loop 2A	N.A.
57	2SI-V1547B3 (SI 227B)*	SIS from HPSI Loop 2A	N.A.
58	2SI-V1548A4 (SI 228A)*	SIS from HPSI Loop 2B	N.A.
58	2SI-V1544B4 (SI 228B)*	SIS from HPSI Loop 2B	N.A.
59	2SI-V1570 (SI344)*	SIT Drain to RWSP	N.A.
62	2FS-V165A/B (FS416)	Refueling Cavity Drain	N.A.



TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES\*\*

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
6.	Manual/Remote Manual (Continued)		
62	2FS-V164A/B (FS415)	Refueling Cavity Drain	N.A.
63	2SA-V114 (LRT109)	ILRT Connection	N.A.
63	2SA-V604 (LRT110)	ILRT Connection	N.A.
65	2SA-V609 (LRT202)	ILRT Test Connection	N.A.
65	2SA-V611 (LRT204)	ILRT Test Connection	N.A.
65	2SA-V610 (LRT201)	ILRT Test Connection	N.A.
65	2SA-V612 (LRT203)	ILRT Test Connection	N.A.
65	2SA-V620 (LRT2011)	ILRT Test Connection	N.A.
65	2SA-V621 (LRT 2031)	ILRT Test Connection	N.A.
65	2CA-V601 (CVR 301B)*	Instrument H&V	N.A.
69	2SI-V1556 (SI 506A)*	SI Hot Leg Injection	N.A.
70	2SI-V1559 (SI 506B)*	SI Hot Leg Injection	N.A.
71	2DW-V642 (CMU244)*	Demineralized Water	N.A.