

TABLE 3.6.3-1 (Continued)

PRIMARY CONTAINMENT ISOLATION VALVES

<u>VALVE FUNCTION AND NUMBER</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>	<u>ISOLATION SIGNAL(s)^(a)</u>
<u>Automatic Isolation Valves^(b) (Continued)</u>		
<u>Containment Instrument Gas</u>		
HV-12603	20	X
SV-12605	N/A	X
SV-12651	N/A	X
SV-12661	N/A	Y
SV-12671	N/A	Y
<u>RECCW</u>		
HV-11313	30	X
HV-11314	30	X
HV-11345	30	X
HV-11346	30	X
<u>Containment Purge</u>		
HV-15703	25 15	Y, R
HV-15704	25 15	Y, R
HV-15705	15 15	Y, R
HV-15711	15 15	Y, R
HV-15713	20 15	Y, R
HV-15714	20 15	Y, R
HV-15721	18 15	Y, R
HV-15722	20 15	Y, R
HV-15723	20 15	Y, R
HV-15724	25 15	Y, R
HV-15725	25 15	Y, R
<u>RHR - Drivwell Spray^(f)</u>		
HV-151F016 A,B	90	G
<u>RB Chilled Water</u>		
HV-18781 A1,A2,S1,S2	40	X
HV-18782 A1,A2,S1,S2	6	X
HV-18791 A1,A2,S1,S2	15	Y
HV-18792 A1,A2,S1,S2	4	Y

CONTAINMENT SYSTEMS

DRYWELL AND SUPPRESSION CHAMBER PURGE SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.1.8 The drywell and suppression chamber purge system may be in operation for up to 90 hours each 365 days with the supply and exhaust isolation valves in one supply line and one exhaust line open for inerting, de-inerting or pressure control* ~~provided that each butterfly valve is blocked so as not to open more than 50°~~

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3.

ACTION:

- a. With a drywell and/or suppression chamber purge supply and/or exhaust isolation valve open, except as permitted above, close the valve(s) within four hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With a containment purge supply and/or exhaust isolation valve(s) with resilient material seals having a measured leakage rate exceeding the limit of Surveillance Requirement 4.6.1.3.2, restore the inoperable valve(s) to OPERABLE status within 24 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.8.1 Before being opened, the drywell and suppression chamber purge supply and exhaust butterfly isolation valves shall be verified ~~to be blocked so as to open to less than or equal to 50° open unless so verified within the previous 90 days and shall be verified not to have been open for more than 90 hours in the previous 365 days.*~~

4.6.1.8.2 Each 18 inch and 24 inch drywell and suppression chamber purge supply and exhaust with resilient material seals shall be demonstrated OPERABLE by verifying that the measured leakage rate is less than or equal to $0.05 L_a$ when pressurized to P_a at least once per 6 months.

*Proposed
From Amendment 42*

** Valves open for pressure control are not subject to the 90 hour per 365 day limit provided the 2-inch bypass line is being utilized.*

CONTAINMENT SYSTEMS

BASES

3/4.6.1.5 PRIMARY CONTAINMENT STRUCTURAL INTEGRITY

This limitation ensures that the structural integrity of the containment will be maintained comparable to the original design standards for the life of the unit. Structural integrity is required to ensure that the containment will withstand the maximum pressure of 45.0 psig in the event of a LOCA. A visual inspection in conjunction with Type A leakage tests is sufficient to demonstrate this capability.

3/4.6.1.6 DRYWELL AND SUPPRESSION CHAMBER INTERNAL PRESSURE

The limitations on drywell and suppression chamber internal pressure ensure that the containment peak pressure of 45.0 psig does not exceed the design pressure of 53 psig during LOCA conditions or that the external pressure differential does not exceed the design maximum external pressure differential of 5 psid. The limit of 1.5 psig for initial positive containment pressure will limit the total pressure to 45.0 psig which is less than the design pressure and is consistent with the safety analysis.

3/4.6.1.7 DRYWELL AVERAGE AIR TEMPERATURE

The limitation on drywell average air temperature ensures that the containment peak air temperature does not exceed the design temperature of 340°F during LOCA conditions and is consistent with the safety analysis.

3/4.6.1.8 DRYWELL AND SUPPRESSION CHAMBER PURGE SYSTEM

The drywell and suppression chamber purge supply and exhaust isolation valves are required to be closed during plant operation except as required for inerting, de-inerting and pressure control. ~~Until these valves have been demonstrated capable of closing during a LOCA or steam line break accident, they shall be blocked so as not to open more than 50%. Until these valves have been demonstrated capable of closing within the times assumed in the safety analysis, they shall not be open more than 90 hours in any consecutive 365 days.~~

Leakage integrity tests with a maximum allowable leakage rate for purge supply and exhaust isolation valves will provide early indication of resilient material seal degradation and will allow the opportunity for repair before gross leakage failure develops. The 0.60 L_v leakage limit shall not be exceeded when the leakage rates determined by the leakage integrity tests of these valves are added to the previously determined total for all valves and penetrations subject to Type B and C tests.

The 90 hours per 365 day limit on purge valve operation is imposed to protect the integrity of the SGTS filters. Analysis indicates that should a LOCA occur while this pathway is being utilized, the associated pressure surge through the (18 or 24") purge lines will adversely affect the integrity of SGTS. This limit is not imposed, however, on the subject valves when pressure control is being performed through the 2-inch bypass line, since a pressure surge through this line does not threaten the OPERABILITY of SGTS.

TABLE 3.6.3-1 (Continued)

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<u>Automatic Isolation Valves^(b) (Continued)</u>		
<u>Containment Instrument Gas</u>		
HV-12503	20	X
SV-12505	N/A	X
SV-12551	N/A	X
SV-12561	N/A	Y
SV-12571	N/A	Y
<u>RBCGW</u>		
HV-11313	30	X
HV-11314	30	X
HV-11345	30	X
HV-11346	30	X
<u>Containment Purge</u> *		
HV-15703	25 15	Y, R
HV-15704	25 15	Y, R
HV-15705	15 15	Y, R
HV-15711	15 15	Y, R
HV-15713	20 15	Y, R
HV-15714	20 15	Y, R
HV-15721	18 15	Y, R
HV-15722	20 15	Y, R
HV-15723	20 15	Y, R
HV-15724	25 15	Y, R
HV-15725	25 15	Y, R
<u>RHR - Drivwell Spray^(f)</u>		
HV-151F016 A, B	90	G
<u>RE Chilled Water</u>		
HV-18781 A1, A2, B1, B2	40	X
HV-18782 A1, A2, B1, B2	6	X
HV-18791 A1, A2, B1, B2	15-	Y
HV-18792 A1, A2, B1, B2	4	Y

* Maximum isolation time includes all instrumentation delays

SSSUCHEANINA - UNIT 1

3/4 5-20

Amendment No.

ENCLOSURE 2

SALP

prepared by the Containment Systems Branch

Evaluation Criteria	Category	Narrative Description
Management Involvement	N/A	
Approach to Resolution of Technical Issues	II	Understanding of the Technical Issue was demonstrated
Responsiveness	N/A	
Enforcement History	N/A	
Reportable Events	N/A	
Staffing	N/A	
Training	N/A	