

CONTAINMENT SYSTEMSCONTAINMENT VENT SYSTEMLIMITING CONDITION FOR OPERATION

3.6.1.8 The containment vent isolation valves MOV 6900 and MOV 6901 shall be maintained closed by tagging the motor power supply breakers open and maintaining the keyed hand switches locked in the closed position.

APPLICABILITY: MODES 1, 2, 3 and 4

ACTION:

With one or both containment vent isolation valves open, close the open valve(s) within one hour or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.8 The containment vent isolation valves shall be determined closed at least once per 31 days by verifying that power to the motor operators is removed and the valves indicate shut.

CALVERT CLIFFS - UNIT 2

3/4 6-9b

Amendment No.

~~CALVERT CLIFFS - UNIT 1~~

~~3/4 6-9c~~

~~Amendment No. 88~~

TABLE J.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

<u>PENETRATION NO.</u>	<u>ISOLATION CHANNEL</u>	<u>ISOLATION VALVE IDENTIFICATION NO.</u>	<u>FUNCTION</u>	<u>ISOLATION TIME (SECONDS)</u>
44	NA NA NA	238-1 238-1 MOV-6200 *	Fire Protection	NA NA NA
47A	NA NA	SV-6540A SV-6507A	Hydrogen Sample Outlet	NA NA
47B	NA NA	SV-6540E SV-6507E	Hydrogen Sample Outlet	NA NA
47C	NA NA	SV-6540F SV-6507F	Hydrogen Sample Outlet	NA NA
47D	NA NA	SV-6540G SV-6507G	Hydrogen Sample Return	NA NA
48A	NA SIAS A NA SIAS B	MOV-6900 MOV-6901	Hydrogen Purge Outlet Containment Vent Isolation	NA ≤ 20 sec NA ≤ 20 sec

Amendment 4
1974

TABLE 3.6-1 (Continued)

CONTAINMENT ISOLATION VALVES

PENETRATION NO.	ISOLATION CHANNEL	ISOLATION VALVE IDENTIFICATION NO.	FUNCTION	ISOLATION TIME (SECONDS)
61	NA	76Y-1	Refueling Pool Outlet	NA
	NA	293M-1		NA
	NA	293M-1		NA
	NA	293M-1		NA
62	SIAS A	MOV-6579	Containment Heating Outlet	<13
64	NA	238-1	Containment Heating Inlet	NA

(1) Manual or remote manual valve which is closed during plant operation.

(2) May be opened below 300°F to establish shutdown cooling flow.

(3) Containment ^{and containment vent}purge isolation valves will be shut in MODES 1, 2, 3 and 4 per TS 3/4 6.1.7. and TS 3/4 6.1.8 respectively.

* May be open on an intermittent basis under administrative control.

** Containment purge isolation valves isolation times will only apply for MODES 5 and 6 during which time these valves may be opened. Isolation time is NA for MODES 1, 2, 3 and 4 per TS 3/4 6.1.7 during which time these valves must remain closed. ^{for containment purge and containment vent isolation valves}

and TS 3/4 6.1.8, respectively.

REFUELING OPERATIONS

CONTAINMENT VENT ISOLATION VALVES

LIMITING CONDITION FOR OPERATION

3.9.14 The containment vent isolation valves shall be closed.

APPLICABILITY: During CORE ALTERATIONS or movement of irradiated fuel within the containment.

ACTION: With one or more containment vent isolation valves open, shut the valves within one hour or suspend all operations involving CORE ALTERATIONS or movement of irradiated fuel within the containment. The provisions of specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.9.14 The containment vent isolation valves shall be determined to be closed within 72 hours prior to the start of and at least once per 7 days during CORE ALTERATIONS or movement of irradiated fuel within the containment.

REFUELING OPERATIONSBASES3/4.9.10 and 3/4.9.11 WATER LEVEL-REACTOR VESSEL AND SPENT FUEL POOL WATER LEVEL

The restrictions on minimum water level ensure that sufficient water depth is available to remove 99% of the assumed 10% iodine gas activity released from the rupture of an irradiated fuel assembly. The minimum water depth is consistent with the assumptions of the accident analysis.

3/4.9.12 SPENT FUEL POOL VENTILATION SYSTEM

The limitations on the spent fuel pool ventilation system ensure that all radioactive material released from an irradiated fuel assembly will be filtered through the HEPA filters and charcoal adsorber prior to discharge to the atmosphere. The OPERABILITY of this system and the resulting iodine removal capacity are consistent with the assumptions of the accident analyses.

3/4.9.13 SPENT FUEL CASK HANDLING CRANE

The restriction on movement of the spent fuel shipping cask within one cask length of any fuel assembly ensures that in the event this load is dropped (1) the stored spent fuel assemblies will not be damaged, and (2) any possible distortion of fuel in the storage racks will not result in a critical array.

3/4.9.14 CONTAINMENT VENT ISOLATION VALVES

The operability and closure restrictions on the containment vent isolation valves are sufficient to restrict radioactive material release from a fuel element rupture based upon the lack of containment pressurization potential while in the REFUELING MODE.

CONTAINMENT SYSTEMSCONTAINMENT VENT SYSTEMLIMITING CONDITION FOR OPERATION

3.6.1.8 The containment vent isolation valves MOV 6900 and MOV 6901 shall be maintained closed by tagging the motor power supply breakers open and maintaining the keyed hand switches locked in the closed position.

APPLICABILITY: MODES 1, 2, 3 and 4

ACTION:

With one or both containment vent isolation valves open, close the open valve(s) within one hour or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.8 The containment vent isolation valves shall be determined closed at least once per 31 days by verifying that power to the motor operators is removed and the valves indicate shut.

CALVERT CLIFFS - UNIT 2

3/4 6-96

Amendment No.

~~CALVERT CLIFFS - UNIT 1~~

~~3/4 6-96~~

~~Amendment No. 28~~

TABLE 3.6-1 (Continued)

CONTAINMENT ISOLATION VALVES

PENETRATION NO.	ISOLATION CHANNEL	ISOLATION VALVE IDENTIFICATION NO.	FUNCTION	ISOLATION TIME (SECONDS)
44	NA	238-1	Fire Protection	NA
	NA	238-1		NA
	NA	MOV-6200		NA
47A	NA	SV-6540A	Hydrogen Sample Outlet	NA
	NA	SV-6507A		NA
47B	NA	SV-6540E	Hydrogen Sample Outlet	NA
	NA	SV-6507E		NA
47C	NA	SV-6540F	Hydrogen Sample Outlet	NA
	NA	SV-6507F		NA
47D	NA	SV-6540G	Hydrogen Sample Return	NA
	NA	SV-6507G		NA
48A	NA SIA A	MOV-6900	Hydrogen-Purge-Outlet- Containment Vent Isolation	NA ≤ 20 sec
	NA SIA B	MOV-6901		NA ≤ 20 sec

TABLE 3.6-1 (Continued)
CONTAINMENT ISOLATION VALVES

<u>PENETRATION NO.</u>	<u>ISOLATION CHANNEL</u>	<u>ISOLATION VALVE IDENTIFICATION NO.</u>	<u>FUNCTION</u>	<u>ISOLATION TIME (SECONDS)</u>
61	NA NA NA NA	76Y-1 293M-1 293M-1 293M-1	Refueling Pool Outlet	NA NA NA NA
62	SIAS A	MOV-6579	Containment Heating Outlet	≤13
64	NA	238-1	Containment Heating Inlet	NA

(1) Manual or remote manual valve which is closed during plant operation.

(2) May be opened below 300°F to establish shutdown cooling flow.

(3) Containment purge ~~and containment vent~~ isolation valves will be shut in MODES 1, 2, 3 and 4 per TS 3/4 6.1.7, and ~~TS 3/4 6.1.8, respectively.~~

* May be open on an intermittent basis under administrative control.

** Containment purge isolation valves isolation times will only apply for MODES 5 and 6 during which time these valves may be opened. Isolation time for containment purge ~~and containment vent~~ isolation valves is NA for MODES 1, 2, 3 and 4 per TS 3/4 6.1.7 and ~~TS 3/4 6.1.8, respectively,~~ during which time these valves must remain closed.

TABLE 3.3-9
REMOTE SHUTDOWN MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>READOUT LOCATION</u>	<u>MEASUREMENT RANGE</u>	<u>MINIMUM CHANNELS OPERABLE</u>
1. Wide Range Neutron Flux	2C43	0.1 cps - 100% 200%	1
2. Reactor Trip Breaker Indication	Cable Spreading Room	OPEN-CLOSE	1/trip breaker
3. Reactor Coolant Cold Leg Temperature	2C43	212-705°F	1
4. Pressurizer Pressure	2C43	0-1600 psia	1
5. Pressurizer Level	2C43	0-360 inches	1
6. Steam Generator Pressure	2C43	0-1200 psig	1/steam generator
7. Steam Generator Level	2C43	-401 to +63.5 inches	1/steam generator

~~* Wide Range Neutron Flux monitors are located on the instrumentation cabinets
located in the Auxiliary Feedwater pump room.~~