

3.6 CONTAINMENT SYSTEMS

3.6.1.1 Primary Containment

LCO 3.6.1.1 Primary containment shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Primary containment inoperable.	A.1 Restore primary containment to OPERABLE status.	1 hour
B. Required Action and associated Completion Time not met.	B.1 Be in MODE 3. <u>AND</u>	12 hours
	B.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.1.1.1 Perform required visual examinations and leakage rate testing except for primary containment air lock testing, in accordance with the Containment Leakage Rate Test Program.	In accordance with the Containment Leakage Rate Test Program.

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
SR 3.6.1.1.2 Verify drywell to suppression chamber differential pressure does not decrease at a rate > 0.635 cm (0.25 in) water gauge per minute tested over a 10 minute period at an initial differential pressure of 0.07 kg/cm ² (1 psid)	18 months <u>AND</u> -----NOTE----- Only required after two consecutive tests fail and continues until two consecutive tests pass ----- 9 months

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. Primary containment air lock interlock mechanism inoperable.</p>	-----NOTE-----	
	<p>1. Required Actions B.1, B.2, and B.3 are not applicable if both doors in the air lock are inoperable and Condition C is entered.</p> <p>2. Entry into and exit from containment is permissible under the control of a dedicated individual.</p>	

	<p>B.1 Verify an OPERABLE door is closed.</p> <p><u>AND</u></p>	1 hour
	<p>B.2 Lock the OPERABLE door closed.</p> <p><u>AND</u></p>	24 hours
<p>B.3 -----NOTE-----</p> <p>Air lock doors in high radiation areas or areas with limited access due to inerting may be verified locked closed by administrative means.</p> <p>-----</p> <p>Verify the OPERABLE door is locked closed.</p>	Once per 31 days	

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Primary containment air lock inoperable for reasons other than Condition A or B.	C.1 Initiate action to evaluate primary containment overall leakage rate per LCO 3.6.1.1, using current air lock test results.	Immediately
	<u>AND</u>	
	C.2 Verify a door is closed.	1 hour
	<u>AND</u>	
	C.3 Restore air lock to OPERABLE status.	24 hours
D. Required Action and associated Completion Time not met.	D.1 Be in MODE 3.	12 hours
	<u>AND</u>	
	D.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.1.2.1 -----NOTE----- 1.An inoperable air lock door does no invalidate the previous successful performance of the overall air lock leakage test. 2.Air lock door leakage test results shall be evaluated according to the acceptance criteria of SR 3.6.1.1.1. ----- Perform required primary containment air lock leakage rate testing in accordance with the Containment Leakage Rate Test Program.	In accordance with the Containment Leakage Rate Test Program. ^(a) ^(b)

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SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
SR 3.6.1.2.2 -----NOTE----- Only required to be performed upon entry into primary containment air lock when the primary containment is de-inerted. ----- Verify only one door in the primary containment air lock can be opened at a time.	24 months

- (a) Opening of air lock for the purpose of removing air lock testing equipment following an air lock test does not require further testing of the air lock.
 - (b) (1) At least once per 24 month.*
 - (2) Air Locks opened during periods when containment integrity is not required by the Technical Specifications shall be tested at the end of such periods
 - (3) Air Locks opened during periods when containment integrity is required by the Technical Specifications shall be tested within 7 days after being opened. For air lock doors opened more frequently than once every 7 days, the air lock shall be tested at least once every 30 days during the period of frequent openings.
 - (4) Prior to establishing primary containment integrity when maintenance has been performed on the air lock that could affect the air lock sealing capability.
- * If the air lock is opened within 24 months of the last successful test and is tested satisfactorily, the next test may be extended thereafter.

3.6 CONTAINMENT SYSTEMS

3.6.1.3 Primary Containment Isolation Valves (PCIVs)

LCO 3.6.1.3 Each PCIV, except reactor building-to-suppression chamber vacuum breakers, shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3,
When associated instrumentation is required to be OPERABLE per LCO 3.3.6.1, "Primary Containment Isolation Instrumentation".

ACTIONS

-----NOTES-----

1. Penetration flow paths may be unisolated intermittently under administrative controls.
2. Separate Condition entry is allowed for each penetration flow path.
3. Enter applicable Conditions and Required Actions for systems made inoperable by PCIVs.

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. -----NOTE----- Only applicable to penetration flow paths with two PCIVs. ----- One or more penetration flow paths with one PCIV inoperable</p>	<p>A.1 Isolate the affected penetration flow path by use of at least one closed and de-activated automatic valve, closed manual valve, blind flange, or check valve with flow through the valve secured.</p> <p style="text-align: center;"><u>AND</u></p>	<p>4 hours except for main steam line</p> <p style="text-align: center;"><u>AND</u></p> <p>8 hours for main steam line</p>

(continued)

Primary Containment Isolation Valves (PCIVs)
3.6.1.3

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. (continued)	<p>A.2 -----NOTE----- Isolation devices in high radiation areas may be verified by use of administrative means. ----- Verify the affected penetration flow path is isolated.</p>	<p>Once per 31 days for isolation devices outside Primary containment</p> <p><u>AND</u></p> <p>Prior to entering MODE 2 or 3 from MODE 4, if Primary containment was de-inerted while in MODE 4, if not performed within the previous 92 days, for isolation devices inside primary containment</p>
<p>B. -----NOTE----- Only applicable to penetration flow paths with two PCIVs. ----- One or more penetration flow paths with two PCIVs inoperable</p>	<p>B.1 Isolate the affected penetration flow path by use of at least one closed and de-activated automatic valve, closed manual valve, or blind flange.</p>	<p>1 hour</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
F. Required Action and associated Completion Time of Condition A, B, or C not met for PCIV(s) required to be OPERABLE during CORE ALTERATIONS	F.1 Suspend CORE ALTERATIONS.	Immediately
G. Required Action and associated Completion Time of Condition A, B, or C not met for PCIV(s) required to be OPERABLE during MODE 4 or 5 or during operations with a potential for draining the reactor vessel (OPDRVs).	G.1 Initiate action to suspend OPDRVs.	Immediately
	<u>OR</u> G.2 Initiate action to restore valve(s) to OPERABLE status.	Immediately

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.6.1.3.1 -----NOTE-----</p> <ol style="list-style-type: none"> 1. Only required to be met in MODES 1, 2, and 3. 2. Not required to be met when the 18 inch or 20 inch primary containment purge valves are open for inerting, de-inerting, pressure control, ALARA or air quality considerations for personnel entry, or Surveillances that require the valves to be open. <p>-----</p> <p>Verify each 18 inch or 20 inch primary containment purge valve is sealed closed.</p>	<p>Within 4 hours after the valves are closed and sealed.</p> <p><u>AND</u></p> <p>31 days</p>

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.6.1.3.2 -----NOTE-----</p> <ol style="list-style-type: none"> 1. Valves and blind flanges in high radiation areas may be verified by use of administrative means. 2. Not required to be met for PCIVs that are open under administrative controls. <p>-----</p> <p>Verify each primary containment isolation manual valve and blind flange that is located outside primary containment and is required to be closed during accident conditions is closed.</p>	31 days
<p>SR 3.6.1.3.3 -----NOTE-----</p> <ol style="list-style-type: none"> 1. Valves and blind flanges in high radiation areas may be verified by use of administrative means. 2. Not required to be met for PCIVs that are open under administrative controls. <p>-----</p> <p>Verify each primary containment manual isolation valve and blind flange that is located inside primary containment and is required to be closed during accident conditions is closed.</p>	Prior to entering MODE 2 or 3 from MODE 4 if Primary containment was de-inerted while in MODE 4, if not performed within the previous 92 days
<p>SR 3.6.1.3.4 Verify continuity of the traversing incore probe (TIP) shear isolation valve explosive charge.</p>	31 days
<p>SR 3.6.1.3.5 Verify the isolation time of each power operated and each automatic PCIV, except for MSIVs, is within limits.</p>	In accordance With the Pre-Defueled Service Testing Program or 92 days

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.6.1.3.6 -----NOTE----- The isolation time is allowed instrument time delay 0.5 second maximum ----- Verify the isolation time of each MSIV is ≥ 3 seconds and ≤ 5 seconds.</p>	<p>In accordance with the Inservice Testing Program or 18 months</p>
<p>SR 3.6.1.3.7 Verify each automatic PCIV actuates to the isolation position on an actual or simulated isolation signal.</p>	<p>18 months</p>
<p>SR 3.6.1.3.8 Verify each reactor instrumentation line EFCV actuates on a simulated instrument line break to restrict flow to ≤ 3.78 lpm (1 gpm)</p>	<p>18 months</p>
<p>SR 3.6.1.3.9 Remove and test the explosive squib from each shear isolation valve of the TIP System.</p>	<p>18 months on a STAGGERED TEST BASIS</p>
<p>SR 3.6.1.3.10 Verify combined leakage rate through all four main steam lines are ≤ 1303 slph when tested at ≥ 1.76 kg/cm² (25psig)</p>	<p>-----NOTE----- SR 3.0.2 is not applicable ----- In accordance with 10 CFR 50, Appendix J, as modified by approved exemptions</p>

3.6 CONTAINMENT SYSTEMS

3.6.1.4 Drywell Pressure

LCO 3.6.1.4 Drywell pressure shall be $\leq 0.07 \text{ kg/cm}^2$ (1.0 psig)

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Drywell pressure not within limit.	A.1 Restore drywell pressure to within limit.	1 hour
B. Required Action and associated Completion Time not met.	B.1 Be in MODE 3.	12 hours
	<u>AND</u> B.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.1.4.1 Verify drywell pressure is within limit.	12 hours

3.6 CONTAINMENT SYSTEMS

3.6.1.5 Drywell Air Temperature

LCO 3.6.1.5 Drywell average air temperature shall be $\leq 57^{\circ}\text{C}$ (135°F)

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Drywell average air temperature not within limit.	A.1 Restore drywell average air temperature to within limit.	8 hours
B. Required Action and associated Completion Time not met.	B.1 Be in MODE 3.	12 hours
	<u>AND</u> B.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.1.5.1 Verify drywell average air temperature is within limit.	24 hours

3.6 CONTAINMENT SYSTEMS

3.6.1.6 Reactor Building-to-Suppression Chamber Vacuum Breakers

LCO 3.6.1.6 Each reactor building-to-suppression chamber vacuum breaker shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each Vacuum breaker.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One reactor building-to-suppression chamber vacuum breaker not closed.	A.1 Close the open vacuum breaker.	72 hours
B. One reactor building-to-suppression chamber vacuum breaker inoperable for opening.	B.1 Restore the vacuum breaker to OPERABLE status.	72 hours
C. Two reactor building-to-suppression chamber vacuum breakers inoperable for opening.	C.1 Restore one vacuum breaker to OPERABLE status.	1 hour
D. Required Action and Associated Completion Time not met.	D.1 Be in MODE 3.	12 hours
	<u>AND</u> D.2 Be in MODE 4.	36 hours

(continued)

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.1.6.1 -----NOTE----- 1. Not required to be met for vacuum breakers that are open during Surveillances. 2. Not required to be met for vacuum breakers open when performing their intended function. ----- verify each vacuum breaker is closed.	14 days
SR 3.6.1.6.2 Perform a functional test of each vacuum breaker.	92 days
SR 3.6.1.6.3 Verify the opening setpoint of each vacuum breaker is $\leq 0.035 \text{ kg/cm}^2$ (0.5 psid)	18 months

3.6 CONTAINMENT SYSTEMS

3.6.1.7 Suppression Chamber-to-Drywell Vacuum Breakers

LCO 3.6.1.7 Eight suppression chamber-to-drywell vacuum breakers shall be OPERABLE for opening.

AND

Eight suppression chamber-to-drywell vacuum breakers shall be closed, except when performing their intended function.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required suppression chamber-to-drywell vacuum breaker inoperable for opening.	A.1 Restore one vacuum breaker to OPERABLE status.	72 hour
B. One suppression chamber-to-drywell vacuum breaker not closed.	B.1 Close the open vacuum breaker.	2 hours
C. Required Action and associated Completion Time not met.	C.1 Be in MODE 3.	12 hours
	<u>AND</u> C.2 Be in MODE 4.	36 hours

(continued)

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.6.1.7.1 -----NOTE----- Not required to be met for vacuum breakers that are open during Surveillances. ----- Verify each vacuum breaker is closed.</p>	<p>14 days</p> <p><u>AND</u></p> <p>Within 2 hours after any discharge of steam to the suppression chamber from the safety/relief valves (S/RVs) or any operation that causes the drywell-to-suppression chamber differential pressure to be reduced by ≥ 0.035 kg/cm² (0.5 psid)</p>
<p>SR 3.6.1.7.2 Perform a functional test of each required vacuum breaker.</p>	<p>31 days</p> <p><u>AND</u></p> <p>Within 12 hours after any discharge of steam to the suppression chamber from the S/RVs</p> <p><u>AND</u></p> <p>Within 12 hours following an operation that causes any of the vacuum breakers to open</p>
<p>SR 3.6.1.7.3 Verify the opening setpoint of each required vacuum breaker is ≤ 0.035 kg/cm² (0.5 psid)</p>	<p>18 months</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. Required Action and associated Completion Time of Condition A not met.	B.1 Reduce THERMAL POWER until all OPERABLE WRNM channels \leq 25/40 divisions of full scale on Range 7.	12 hours
C. Suppression pool average temperature $>$ 40.6°C (105°F) <u>AND</u> Any OPERABLE WRNM channel $>$ 25/40 divisions of full scale on Range 7. <u>AND</u> Performing testing that adds heat to the suppression pool.	C.1 Suspend all testing that adds heat to the suppression pool.	Immediately
D. Suppression pool average temperature $>$ 43.3°C (110°F) but \leq 48.9°C (120°F)	D.1 Place the reactor mode switch in the shutdown position. <u>AND</u> D.2 Verify suppression pool average temperature \leq 48.9°C (120°F) <u>AND</u> D.3 Be in MODE 4	Immediately Once per 30 minutes 36 hours

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
E. Suppression pool average temperature > 48.9°C (120°F)	E.1 Depressurize the reactor vessel to < 14.1 kg/cm ² (200 psig)	12 hours
	<u>AND</u> E.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.2.1.1 Verify suppression pool average temperature is within the applicable limits.	24 hours <u>AND</u> 5 minutes when performing testing that adds heat to the suppression pool

3.6 CONTAINMENT SYSTEMS

3.6.2.2 Suppression Pool Water Level

LCO 3.6.2.2 Suppression pool water level shall be \leq below the torus center line of 76.2 cm (2 ft 6 in) and \geq below the torus center line of 89.2 cm (2 ft 11-1/8 in)

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Suppression pool water level not within limits.	A.1 Restore suppression pool water level to within limits.	2 hours
B. Required Action and associated Completion Time not met.	B.1 Be in MODE 3.	12 hours
	<u>AND</u> B.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.2.2.1 Verify suppression pool water level is within limits.	24 hours

3.6 CONTAINMENT SYSTEMS

3.6.2.3 Residual Heat Removal (RHR) Suppression Pool Cooling

LCO 3.6.2.3 Two RHR suppression pool cooling subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One RHR suppression pool cooling subsystem inoperable.	A.1 Restore RHR suppression pool cooling subsystem to OPERABLE status.	7 days
B. Two RHR suppression pool cooling subsystem inoperable.	B.1 Restore one RHR suppression pool cooling subsystem to OPERABLE status.	8 hours
C. Required Action and associated Completion Time not met.	C.1 Be in MODE 3. <u>AND</u>	12 hours
	C.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.2.3.1 Verify each RHR suppression pool cooling subsystem manual, power operated, and automatic valve in the flow path that is not locked, sealed, or otherwise secured in position is in the correct position or can be aligned to the correct position.	31 days
SR 3.6.2.3.2 Verify each RHR Suppression pool cooling subsystem develops a flow rate > 413.8 lps (6560 gpm) through the associated heat exchanger while operating in the suppression pool cooling mode.	In accordance with the Inservice Testing Program or 92 days

3.6 CONTAINMENT SYSTEMS

3.6.2.4 Residual Heat Removal (RHR) Suppression Pool Spray

LCO 3.6.2.4 Two RHR suppression pool spray subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One RHR suppression pool spray subsystem inoperable.	A.1 Restore RHR suppression pool spray subsystem to OPERABLE status.	7 days
B. Two RHR suppression pool spray subsystems inoperable	B.1 Restore one RHR suppression pool spray subsystem to OPERABLE status.	8 hours
C. Required Action and associated Completion Time not met.	C.1 Be in MODE 3.	12 hours
	<u>AND</u> C.2 Be in MODE 4	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.2.4.1 Verify each RHR suppression pool spray subsystem manual, power operated, and automatic valve in the flow path that is not locked, sealed, or otherwise secured in position is in the correct position or can be aligned to the correct position.	31 days
SR 3.6.2.4.2 Verify each suppression pool spray nozzle is unobstructed.	5 years

3.6 CONTAINMENT SYSTEMS

3.6.3.1 Primary Containment Oxygen Concentration

LCO 3.6.3.1 The primary containment oxygen concentration shall be < 4.0 volume percent.

APPLICABILITY: MODE 1 during the time period:

- a. From 24 hours after THERMAL POWER is > 15% RTP following startup, to
- b. 24 hours prior to reducing THERMAL POWER to < 15% RTP prior to the next scheduled reactor shutdown.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Primary containment oxygen concentration not within limit.	A.1 Restore oxygen concentration to within limit	24 hours
B. Required Action and associated Completion Time not met.	B.1 Reduce THERMAL POWER to ≤ 15% RTP.	8 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.3.1.1 Verify primary containment oxygen concentration is within limits.	7 days

3.6 CONTAINMENT SYSTEMS

3.6.3.2 Primary Containment Hydrogen Recombiner

LCO 3.6.3.2 The primary containment hydrogen recombinder shall be OPERABLE.

APPLICABILITY: MODES 1 and 2 with primary containment oxygen concentration $\geq 4\%$.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Primary containment hydrogen recombinder inoperable.	<p style="text-align: center;">-----NOTE-----</p> <p>LCO 3.0.4 is not applicable.</p> <p>-----</p> <p>A.1 Restore primary containment hydrogen recombinder to OPERABLE status.</p>	7 days
B. Required Action and associated Completion Time not met.	B.1 Be in MODE 3.	12 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.3.2.1 Perform a system functional test for primary containment hydrogen recombinder.	18 months
SR 3.6.3.2.2 Visually examine primary containment hydrogen recombinder enclosure and verify there is no evidence of abnormal conditions	18 months
SR 3.6.3.2.3 Perform a resistance to ground test for each heater phase.	18 months

3.6 CONTAINMENT SYSTEMS

3.6.4.1 Secondary Containment

LCO 3.6.4.1 The secondary containment shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 5(except maintenance surveillance cycle), During movement of irradiated fuel assemblies in the secondary containment, During CORE ALTERATIONS, During operations with a potential for draining the reactor vessel (OPDRVs) , During movement of heavy loads (the weight more than the combined weight of a single spent fuel assembly and its handling tool) over irradiated fuel assemblies in the secondary containment.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Secondary containment inoperable in MODE 1, 2, or 3	A.1 Restore secondary containment to OPERABLE status.	4 hours
B. Required Action and associated Completion Time of Condition A not met.	B.1 Be in MODE 3. <u>AND</u>	12 hours
	B.2 Be in MODE 4.	36 hours
C. Secondary containment inoperable in MODE 5, during movement of irradiated fuel assemblies in the secondary containment, during CORE ALTERATIONS, during OPDRVs, during movement of heavy loads over irradiated fuel assemblies in the secondary containment.	C.1 -----NOTE----- LCO 3.0.3 is not applicable. ----- Suspend movement of irradiated fuel assemblies in the secondary containment.	Immediately
	<u>AND</u> C.2 Suspend CORE ALTERATIONS.	Immediately
	<u>AND</u> C.3 Initiate action to suspend OPDRVs.	Immediately
	<u>AND</u> C.4 -----NOTE----- LCO 3.0.3 is not applicable. ----- Suspend movement of heavy loads over irradiated fuel assemblies in the secondary containment.	Immediately

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SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.4.1.1 Verify secondary containment vacuum is \geq 0.635cm (0.25in) of vacuum water gauge.	24 hours
SR 3.6.4.1.2 Verify all secondary containment equipment hatches are closed and sealed.	31 days
SR 3.6.4.1.3 Verify each secondary containment access door is closed, except when the access opening is being used for entry and exit, then at least one door shall be closed.	31 days
SR 3.6.4.1.4 Verify each SBT subsystem can maintain \geq 0.635cm (0.25in) of vacuum water gauge in the secondary containment for 1 hour at a flow rate \leq 1500 scfm.	18 months on a STAGGERED TEST BASIS

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. -----NOTE----- Only applicable to penetration flow paths with two isolation valves. ----- One or more penetration flow paths with two SCIVs inoperable.</p>	<p>B.1 Isolate the affected penetration flow path by use of at least one closed and de-activated automatic valve.</p>	<p>4 hours</p>
<p>C. Required Action and associated Completion Time of Condition A or B not met in MODE 1, 2, or 3.</p>	<p>C.1 Be in MODE 3. <u>AND</u> C.2 Be in MODE 4.</p>	<p>12 hours 36 hours</p>
<p>D. Required Action and associated Completion Time of Condition A or B not met in MODE 5, during movement of irradiated fuel assemblies in the secondary containment, during CORE ALTERATIONS, during OPDRVs, or during movement of heavy loads over irradiated fuel assemblies in the secondary containment.</p>	<p>D.1 -----NOTE----- LCO 3.0.3 is not applicable. ----- Suspend movement of irradiated fuel assemblies in the secondary containment. <u>AND</u> D.2 Suspend CORE ALTERATIONS. <u>AND</u> D.3 Initiate action to suspend OPDRVs. <u>AND</u> D.4 -----NOTE----- LCO 3.0.3 is not applicable. ----- Suspend movement of heavy loads over irradiated fuel assemblies in the secondary containment.</p>	<p>Immediately Immediately Immediately Immediately</p>

(continued)

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.4.2.1 Verify the isolation time of each power operated and each automatic SCIV is within limits.	In accordance with the Pre-Defueled Service Testing Program or 92 days
SR 3.6.4.2.2 Verify each automatic SCIV actuates to the isolation position on an actual or simulated signal.	18 months

3.6 CONTAINMENT SYSTEMS

3.6.4.3 Standby Gas Treatment (SBGT) System

LCO 3.6.4.3 Two SBGT subsystems shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 5(except maintenance surveillance cycle), During movement of irradiated fuel assemblies in the secondary containment, During CORE ALTERATIONS, During operations with a potential for draining the reactor vessel (OPDRVs) , During movement of heavy loads (the weight more than the combined weight of a single spent fuel assembly and its handling tool) over irradiated fuel assemblies in the secondary containment.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One SBGT subsystem inoperable.	A.1 Restore SBGT subsystem to OPERABLE status.	7 days
B. Required Action and associated Completion Time of Condition A not met. in MODE 1, 2, or 3.	B.1 Be in MODE 3.	12 hours
	<u>AND</u> B.2 Be in MODE 4.	36 hours
C. Required Action and associated Completion Time of Condition A not met in MODE 5, during movement of Irradiated fuel assemblies in the secondary containment, during CORE ALTERATIONS, during OPDRVs, or during movement of heavy loads over irradiated fuel assemblies in the secondary containment.	-----NOTE----- LCO 3.0.3 is not applicable. -----	Immediately
	C.1 Place OPERABLE SBGT subsystem in operation. <u>OR</u>	

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ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. (continued)	C.2.1 Suspend movement of irradiated fuel assemblies in Secondary containment.	Immediately
	<p style="text-align: center;"><u>AND</u></p> C.2.2 Suspend CORE ALTERATIONS.	Immediately
	<p style="text-align: center;"><u>AND</u></p> C.2.3 Initiate action to suspend OPDRVs.	Immediately
	<p style="text-align: center;"><u>AND</u></p> C.2.4-----NOTE----- LCO 3.0.3 is not applicable. ----- Suspend movement of heavy loads over irradiated fuel assemblies in the secondary containment.	Immediately
D. Two SBGT subsystems inoperable in MODE 1,2, or 3.	D.1 Enter LCO 3.0.3	Immediately
E. Two SBGT subsystems inoperable in MODE 5, during movement of irradiated fuel assemblies in the secondary containment, during CORE ALTERATIONS, during OPDRVs, or during movement of heavy loads over irradiated fuel assemblies in the secondary containment.	E.1 -----NOTE----- LCO 3.0.3 is not applicable. -----	Immediately
	Suspend movement of irradiated fuel assemblies in secondary containment.	
	<p style="text-align: center;"><u>AND</u></p> E.2 Suspend CORE ALTERATIONS.	Immediately
	<p style="text-align: center;"><u>AND</u></p> E.3 Initiate action to suspend OPDRVs.	Immediately
<p style="text-align: center;"><u>AND</u></p> E.4 -----NOTE----- LCO 3.0.3 is not applicable. ----- Suspend movement of heavy loads over irradiated fuel assemblies in the secondary containment.	Immediately	

(continued)

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.6.4.3.1 Operate each SBGT subsystem for ≥ 10 continuous hours with heaters operating.	31 days
SR 3.6.4.3.2 Perform required SBGT filter testing in accordance with the Ventilation Filter Testing Program (VFTP).	In accordance with the VFTP
SR 3.6.4.3.3 Verify each SBGT subsystem actuates on an actual or simulated initiation signal.	18 months
SR 3.6.4.3.4 Verify each SBGT fan can be started	18 months