

CONTAINMENT SYSTEMS

DRYWELL AND SUPPRESSION CHAMBER PURGE SYSTEM

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LIMITING CONDITION FOR OPERATION

3.6.1.8 The drywell and suppression chamber 2-inch purge supply and exhaust isolation valves shall be OPERABLE and:

- a. Each 24- and 30-inch purge supply and exhaust isolation valve shall be sealed closed.
- b. Each 2-inch purge valve may be open for purge system operation for inerting, deinerting and pressure control.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With a 24- and/or 30-inch drywell and suppression chamber purge supply and/or exhaust isolation valve(s) open or not sealed closed, close and/or seal the 24- and 30-inch valve(s) or otherwise isolate the penetration within 4 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 2-inch drywell and suppression chamber purge supply and/or exhaust isolation valve(s) inoperable or open for other than inerting, deinerting, or pressure control, close the open 2-inch valve(s) or otherwise isolate the penetration(s) within 4 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With a drywell and suppression chamber purge supply and/or exhaust isolation valve(s) with resilient material seals having a measured leakage rate exceeding the limit of Surveillance Requirements 4.6.1.8.3 and/or 4.6.1.8.4, 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 Each 24- and 30-inch drywell and suppression chamber purge supply and exhaust isolation valve shall be verified to be sealed closed at least once per 31 days.

4.6.1.8.2 At least once per 6 months on a STAGGERED TEST BASIS each sealed closed 24- and 30-inch drywell and suppression chamber purge supply and exhaust isolation valve 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 .

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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SURVEILLANCE REQUIREMENTS (Continued)

4.6.1.8.3 At least once per 92 days each 2-inch drywell and suppression chamber purge supply and exhaust isolation valve with resilient material seals shall be demonstrated OPERABLE by verifying that the measured leakage rate is less than or equal to $0.01 L_a$ when pressurized to P_a .

ATTACHMENT B

"DRAFT LCO"

CONTAINMENT SYSTEMS

DRYWELL AND SUPPRESSION CHAMBER PURGE SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.1.8 The drywell and suppression chamber 2-inch exhaust isolation valves shall be OPERABLE and:

- a. Each 24- and 30-inch purge supply and exhaust isolation valve shall be closed during the time period:
 1. Within 24 hours after THERMAL POWER is greater than 15% of RATED THERMAL POWER, following startup, to
 2. Within 24 hours prior to reducing THERMAL POWER to less than 15% of RATED THERMAL POWER, preliminary to a scheduled reactor shutdown.
- b. Each 2-inch purge valve may be open for purge system operation for inerting, deinerting and pressure control.
- c. Each 24- and 30-inch purge supply and exhaust isolation valve shall be limited to open no more than 70 degrees.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With a 24- and/or 30-inch drywell and suppression chamber purge supply and/or exhaust isolation valve(s) not closed, close and/or seal the 24- and 30-inch valve(s) or otherwise isolate the penetration within 4 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours except as provided for in 3.6.1.8.a.
- b. With a 2-inch drywell and suppression chamber exhaust isolation valve inoperable or open for other than inerting, deinerting, or pressure control, close the open 2-inch valve(s) or otherwise isolate the penetration(s) within 4 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With a drywell and suppression chamber purge supply and/or exhaust isolation valve(s) with resilient material seals having a measured leakage rate exceeding the limit of Surveillance Requirements 4.5.1.8.2, 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.

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS

4.6.1.8.1 Each 24- and 30-inch drywell and suppression chamber purge supply and exhaust isolation valve shall be verified to be closed at least once per 31 days.**

4.6.1.8.2 At least once per 92 days each group shown below of drywell and suppression chamber purge supply and exhaust isolation valve with resilient material seals shall be demonstrated OPERABLE by verifying that the measured leakage rate is less than or equal to $.05 L_a$ when pressurized to P_a .

	<u>Valve Group</u>	<u>Maximum Leakage Rate</u>
a.	CEP-V-1A and 1B CEP-V-2A and 2B	$.05 L_a^*$
b.	CEP-V-3A and 3B CEP-V-4A and 4B	$.05 L_a^*$
c.	CSP-V-1 CSP-V-2	$.05 L_a^*$
d.	CSP-V-3 CSP-V-4	$.05 L_a^*$

4.6.1.8.3 Each 24- and 30-inch purge supply and exhaust isolation valve 70 degree open limiting device shall be functionally tested at least once every 18 months.

* These valves are tested in parallel with the maximum leakage allowed for a single valve applied to the group.

** Valve operation as provided for in 3.6.1.8.a shall be under administrative control only.



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