

CONTAINMENT SYSTEMS

PRIMARY CONTAINMENT AIR LOCKS

LIMITING CONDITION FOR OPERATION

- 3.6.1.3 Each primary containment air lock shall be OPERABLE with:
- a. ~~The interlock operable and engaged such that both doors cannot be opened simultaneously, and~~
 - x.b. Both doors closed except when the air lock is being used for normal transit entry and exit through the containment, ~~then at least one air lock door shall be closed, and~~
 - x.c. An overall air lock leakage rate of less than or equal to $0.05 L_a$ at P_a , 34.7 psig.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2* and 3.

ACTION:

- INSERT HERE →
- a.
 - x.b. With one primary containment air lock door inoperable:
 - 1. Maintain at least the OPERABLE air lock door closed and either restore the inoperable air lock door to OPERABLE status within 24 hours or lock the OPERABLE air lock door closed.
 - 2. Operation may then continue until performance of the next required overall air lock leakage test provided that the OPERABLE air lock door is verified to be locked closed at least once per 31 days immediately prior to each closing of the shield door, and at least once per shift while the shield door is open.
 - 3. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
 - 4. The provisions of Specification 3.0.4 are not applicable.
 - x.c. With the primary containment air lock inoperable, except as a result of an inoperable air lock door, maintain at least one air lock door closed; restore the inoperable air lock 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.

*See Special Test Exception 3.10.1.

- INSERT ABOVE →
- a. With the interlock mechanism inoperable:
 - 1. Maintain at least one operable air lock door closed and either return the interlock to service within 24 hours, or lock one operable airlock door closed.
 - 2. Operation may then continue until the interlock is returned to service provided that the airlock door is verified locked closed prior to each closing of the shield door, and at least once per shift while the shield door is open.
 - 3. Personnel passage through the air lock is permitted provided one operable air lock door remains locked at all times and an individual is dedicated to assure that two doors are not opened simultaneously.

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4. The provisions of Specification 3.0.4 are not applicable.

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CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS

4.6.1.3 Each primary containment air lock shall be demonstrated OPERABLE:

~~x~~b. Within 72 hours following each closing, except when the air lock is being used for multiple entries, then at least once per 72 hours, by verifying seal leakage rate less than or equal to $0.025 L_a$ when the gap between the door seals is pressurized to 10 psig.

~~x~~c. By conducting an overall air lock leakage test at P_a , 34.7 psig and by verifying that the overall air lock leakage rate^a is within its limit:

1. At least once per 6 months[#], and
2. Prior to establishing PRIMARY CONTAINMENT INTEGRITY when maintenance had been performed on the air lock that could affect the air lock sealing capability*.

a. ~~x~~ ~~At least once per 6 months~~ By verifying^{interlock operation (i.e.,} that only one door in each air lock can be opened at a time^{**}

1. Prior to using the air lock in Operating Conditions 1, 2, and 3, but not required more than once per six months.
2. Following maintenance which could effect the interlock mechanism.

[#]The provisions of Specification 4.0.2 are not applicable.

*Exception to Appendix J of 10 CFR 50.

~~**Except that the inner door need not be opened to verify interlock OPERABILITY when the primary containment is inerted, provided that the inner door interlock is tested within 8 hours after the primary containment has been de-inerted.~~

DELETE

