

CONTAINMENT SYSTEMSPRIMARY CONTAINMENT AIR LOCKSLIMITING CONDITION FOR OPERATION

3.6.1.3 Each primary containment air lock shall be OPERABLE with:

- a. 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
- b. An overall air lock leakage rate of less than or equal to 2.5 scf per hour at P_a , 11.31 psig.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3, and #.

Replace with
INSERT A

ACTION:

- a. With one primary containment air lock door in one or both air locks 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.
 3. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
 4. Otherwise, in OPERATIONAL CONDITION #, suspend all operation involving handling of irradiated fuel in the primary containment, CORE ALTERATIONS, and operations with a potential for draining the reactor vessel.
 5. The provisions of Specification 3.0.4 are not applicable.
- b. With a primary containment air lock inoperable in OPERATIONAL CONDITIONS 1, 2, or 3, 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.
- c. With a primary containment air lock inoperable, in OPERATIONAL CONDITION #, 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 suspend all operations involving handling of irradiated fuel in the primary containment, CORE ALTERATIONS, and operations with a potential for draining the reactor vessel.

and/or
interlock
mechanism

#When handling irradiated fuel in the primary containment, during CORE ALTERATIONS, and operations with a potential for draining the reactor vessel.

Replace
with
INSERT B

*Except during entry to repair an inoperable inner door, for a cumulative time not to exceed 1 hour per year.

INSERT A

- a. With one or both air locks having:
1. an inoperable interlock mechanism, for the affected airlock(s),
 - a) Maintain at least one OPERABLE air lock door closed, and within 24 hours lock one OPERABLE air lock door closed.
 - b) Operation may then continue provided that at least once per 31 days, one OPERABLE air lock door is verified to be locked closed*.
 2. one inoperable air lock door, or, both one inoperable door and an inoperable interlock mechanism, for the affected airlock(s),
 - a) Maintain at least the OPERABLE air lock door closed**, and within 24 hours lock the OPERABLE air lock door closed.
 - b) Operation may then continue until performance of the next required overall air lock leakage test provided that at least once per 31 days the OPERABLE air lock door is verified to be locked closed**.

Otherwise, in OPERATIONAL CONDITION 1, 2, or 3, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

Otherwise, in OPERATIONAL CONDITION #, suspend handling of irradiated fuel in the primary containment, CORE ALTERATIONS, and operations with a potential for draining the reactor vessel.

The provisions of Specification 3.0.4 are not applicable.

INSERT B

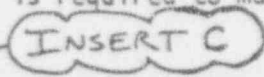
*Entry into and exit from the air lock(s) or primary containment through the "locked closed" door is permitted under administrative controls.

**If one or both air locks have one inoperable door, entry into and exit from the air lock(s) through the OPERABLE door is permitted under administrative controls to perform repairs of the affected air lock components. Also, if both air locks have one inoperable door, entry into and exit from primary containment is permitted under administrative controls for 7 days.

CONTAINMENT SYSTEMSBASES3/4.6.1 CONTAINMENT (Continued)3/4.6.1.2 CONTAINMENT LEAKAGE (Continued)

The surveillance testing for measuring leakage rates is consistent with the requirements of Appendix J to 10 CFR 50 with the exception of exemptions granted for testing the airlocks after each opening.

3/4.6.1.3 CONTAINMENT AIR LOCKS

The limitations on closure and leak rate for the containment air locks are required to meet the restrictions on PRIMARY CONTAINMENT INTEGRITY and the containment leakage rate given in Specifications 3.6.1.1 and 3.6.1.2. The specification makes allowances for the fact that there may be long periods of time when the air locks will be in a closed and secured position during reactor operation. Only one closed door in each air lock is required to maintain the integrity of the containment. * 

The air supply to the containment air lock and seal system is the service and instrument air system. The system consists of two 100% capacity air compressors per unit and can be cross-connected. This system is redundant and extremely reliable and provides system pressure indication in the control room.

3/4.6.1.4 MSIV LEAKAGE CONTROL SYSTEM

Calculated doses resulting from the maximum leakage allowance for the main steam line isolation valves in the postulated LOCA situations would be a small fraction of the 10 CFR 100 guidelines, provided the main steam line system from the isolation valves up to and including the turbine condenser remains intact. Operating experience has indicated that degradation has occasionally occurred in the leak tightness of the MSIV's such that the specified leakage requirements have not always been maintained continuously. The requirement for the leakage control system will reduce the untreated leakage from the MSIV's when isolation of the primary system and containment is required.

3/4.6.1.5 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 15 psig in the event of a LOCA. A visual inspection in conjunction with Type A leakage tests is sufficient to demonstrate this capability.

INSERT C

Allowances have been provided within Action a.1 for access into or through the containment air lock(s) when an interlock mechanism is inoperable. Action a.1 requires that at least one of the two OPERABLE doors be maintained closed, and within 24 hours, if the interlock mechanism has not been restored to OPERABLE status, one door must be locked or the provisions of footnote * utilized for entries and exits. The administrative controls of footnote * provide that unlocking and use of the air lock is permitted provided that an individual is stationed at the air lock, dedicated to assuring that at least one OPERABLE air lock door remains closed. This allowance is provided to address those situations when use of an air lock with only an inoperable interlock mechanism may be preferred over use of the other air lock, such as when the other air lock has an inoperable door. The dedicated individual may be used in lieu of the lock for personnel safety reasons, since locked doors would at times compromise personnel safety if they were not able to exit the containment, or since other personnel may not be able to enter containment to aid injured workers, depending on which side of the door the lock was placed.

Allowances have also been provided in Action a.2 for access into or through the containment air lock(s) when one air lock door is inoperable. The first portion of footnote ** provides that entry and exit through the OPERABLE door on one or both air locks is permissible for performance of repairs of the affected air lock components, under administrative controls. In addition, the second portion of footnote ** provides for entry into and exit from the containment, but only permits these entries when both air locks have an inoperable door, and limits such use to a 7 day period, under administrative controls. The second portion of the footnote would allow entry and exit through either air lock to perform activities (other than just airlock repairs) inside containment such as Technical Specification (TS) Surveillances and required Actions, as well as other activities inside containment that are required by TS or that support TS required equipment. This portion of the footnote also allows containment entry and exit to perform non-Technical Specification related activities; however, the administrative controls required by the footnote include a provision that prudent judgment be used in determining whether to utilize an inoperable air lock to enter the containment. The administrative controls for both portions of footnote ** include provisions that after each entry and exit, the OPERABLE door must be promptly closed, and they include a provision similar to that discussed above; that a dedicated individual may be utilized in lieu of locking the OPERABLE door during periods when personnel are to be inside the containment. The allowances of footnote ** are acceptable due to the low probability of an event that could pressurize the containment during the short time that the OPERABLE door is expected to be open for entries/exits.