

CONTAINMENT SYSTEMS

3/4.6.5 SECONDARY CONTAINMENT

SECONDARY CONTAINMENT INTEGRITY

LIMITING CONDITION FOR OPERATION

3.6.5.1 <sup>#</sup> SECONDARY CONTAINMENT INTEGRITY shall be maintained.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3 and \*.

ACTION:

Without SECONDARY CONTAINMENT INTEGRITY:

- a. In OPERATIONAL CONDITION 1, 2 or 3, restore SECONDARY CONTAINMENT INTEGRITY 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. In Operational Condition \*, suspend handling of irradiated fuel in the secondary containment, CORE ALTERATIONS and operations with a potential for draining the reactor vessel. The provisions of Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.6.5.1 SECONDARY CONTAINMENT INTEGRITY shall be demonstrated by:

- a. Verifying at least once per 24 hours that the pressure within the secondary containment is less than or equal to 0.25 inches of vacuum water gauge.

b. Verifying at least once per 31 days that:

- Insert A → ~~1. All secondary containment railroad access hatches are closed and sealed or the railroad bay access door is closed.~~
- 2. ~~a~~ At least one door in each access to the secondary containment is closed.
- Insert B → 3. All secondary containment penetrations not capable of being closed by OPERABLE secondary containment automatic isolation dampers and required to be closed during accident conditions are closed by valves, blind flanges, or deactivated automatic dampers secured in position.

c. At least once per 18 months:

- Insert G → ~~1. Verifying that one standby gas treatment subsystem will draw down the secondary containment to greater than or equal to 0.25 inches of vacuum water gauge in less than or equal to 60 seconds, and~~
- Insert D → ~~2. Operating one standby gas treatment subsystem for one hour and maintaining greater than or equal to 0.25 inches of vacuum water gauge in the secondary containment at a flow rate of less than or equal to 2885 cfm from Zone I and Zone III.~~

Proposed  
Revision 1  
to Amend  
No. 36

\*When irradiated fuel is being handled in the secondary containment and during CORE ALTERATIONS and operations with a potential for draining the reactor vessel.  
 \*\*2000 cfm while the secondary containment interim barrier is installed in Zone III.

Insert F →

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INSERT A

- 1.a When the railroad bay door (No. 101) is closed; verify all Zone I and III hatches, removable walls, dampers, and doors connected to the railroad access bay are closed, or
  - i) Only Zone I removable walls and/or doors are open to the railroad access shaft, or
  - ii) Only Zone III hatches and/or dampers are open to the railroad access shaft.
- 1.b When the railroad bay door (No. 101) is open; verify all Zone I and III hatches, removable walls, dampers, and doors connected to the railroad access bay are closed.

INSERT B

- 2.b At least one door in each access between secondary containment zones is closed.

INSERT C

4. The truck bay access hatch is closed.
5. The truck bay door (No. 102) is closed unless Zone II is isolated from Zones I and III.

INSERT F

#Secondary Containment consists of Zone I, Zone II and Zone III or Zone I and Zone III when Zone II is isolated from Zone I and Zone III.

\*\*Penetrations between secondary containment zones, penetrations to no-zones, and penetrations to the outside atmosphere.

INSERT G

1.a For three zone operation

- i.a Verifying that one standby gas treatment subsystem will draw down the secondary containment (Zone I and Zone III) to greater than or equal to 0.25 inches of vacuum water gauge in less than or equal to 13 seconds, and
- i.b Verifying by calculation that one standby gas treatment subsystem will draw down the secondary containment (Zone I, Zone II and Zone III) to greater than or equal to 0.25 inches of vacuum water gauge in less than or equal to 54 seconds, and
- i.c Operating one standby gas treatment subsystem for one hour and maintaining greater than or equal to 0.25 inches of vacuum water gauge in the secondary containment at a flow rate of less than or equal to 2885 cfm from Zone I and Zone III, and
- i.d Verifying by calculation that one standby gas treatment subsystem will maintain greater than or equal to 0.25 inches of vacuum water gauge in the secondary containment at a flow rate of less than or equal to 4000 cfm from Zone I, Zone II, and Zone III.

OR

- ii.a Verifying that one standby gas treatment subsystem will draw down the secondary containment (Zone I, Zone II and Zone III) to greater than or equal to 0.25 inches of vacuum water gauge in less than or equal to 54 seconds, and
- ii.b Operating one standby gas treatment subsystem for one hour and maintaining greater than or equal to 0.25 inches of vacuum water gauge in the secondary containment at a flow rate of less than or equal to 4000 cfm from Zone I, Zone II, and Zone III.

OR

1.b For two zone operation (Zone II isolated from Zone I and Zone III)

- i. Verifying that one standby gas treatment subsystem will draw down the secondary containment (Zone I and Zone III) to greater than or equal to 0.25 inches of vacuum water gauge in less than or equal to 57 seconds, and
- ii. Operating one standby gas treatment subsystem for one hour and maintaining greater than or equal to 0.25 inches of vacuum water gauge in the secondary containment at a flow rate of less than or equal to 2885 cfm from Zone I and Zone III.

2. Verifying the standby gas treatment system timer for detection of failure of one standby gas fan is less than or equal to 30 seconds.



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