

LIMITING CONDITION FOR OPERATION

3.3.1 OXYGEN CONCENTRATION

Applicability:

Applies to the limit on oxygen concentration within the primary containment system.

Objective:

To assure that in the event of a loss-of-coolant accident any hydrogen generation will not result in a combustible mixture within the primary containment system.

Specification:

- a. The primary containment atmosphere shall be reduced to less than four percent by volume oxygen concentration with nitrogen gas whenever the reactor coolant pressure is greater than 110 psig and the reactor is in the power operating condition, except as specified in "b" and "c" below.

SURVEILLANCE REQUIREMENT

4.3.1 OXYGEN CONCENTRATION

Applicability:

Applies to the periodic testing requirement for the primary containment system oxygen concentration.

Objective:

To assure that the oxygen concentration within the primary containment system is within required limits.

Specification:

At least once a week oxygen concentration shall be determined.

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SURVEILLANCE REQUIREMENT

- b. Within the 24-hour period subsequent to the reactor being placed in the run mode for the power operating condition, the containment atmosphere oxygen concentration shall be reduced to less than four percent by volume, and maintained in this condition. Deinerting may commence 24 hours prior to a major refueling outage or other scheduled shutdown.
- c. If the containment oxygen concentration is greater than or equal to the four percent by volume limit, except as allowed during startup and shutdown in "b" above, restore the oxygen concentration to within the limit within 24 hours.
- d. If Specifications "a," "b," or "c" above are not met, the reactor coolant pressure shall be reduced to 110 psig or less within ten hours.