

## LIMITING CONDITIONS FOR OPERATION

## 3.7.A (cont'd.)

- c. The total leakage between the drywell and suppression chamber shall be less than the equivalent leakage through a 1" diameter orifice.
- d. If specifications 3.7.A.4.a, b or c, cannot be met, the situation shall be corrected within 24 hours or the reactor will be placed in a cold shutdown condition within the subsequent 24 hours.
5. Oxygen Concentration
- a. After completion of the startup test program and demonstration of plant electrical output, the primary containment atmosphere shall be reduced to less than 4% oxygen with nitrogen gas during reactor power operation with reactor coolant pressure above 100 psig, except as specified in 3.7.A.5.b.
- b. Within the 24-hour period subsequent to placing the reactor in the Run mode following a shutdown, the containment atmosphere oxygen concentration shall be reduced to less than 4% by volume and maintained in this condition. De-inerting may commence 24 hours prior to a shutdown.
- c. When the containment atmosphere oxygen concentration is required to be less than 4%, the minimum quantity of liquid nitrogen in the liquid nitrogen storage tank shall be 500 gallons.
- d. If the specifications of 3.7.A.5.a thru c cannot be met, an orderly shutdown shall be initiated and the reactor shall be in a cold shutdown condition within 24 hours.
- e. The specifications of 3.7.A.5a thru d are not applicable during a 48 hour continuous period between the dates of March 22, 1982 and March 25, 1982.

## SURVEILLANCE REQUIREMENTS

## 4.7.A (cont'd.)

- c. Once each operating cycle, each vacuum breaker valve shall be visually inspected to insure proper maintenance and operation of the position indication switch. The differential pressure setpoint shall be verified.
- d. Prior to reactor startup after each refueling, a leak test of the drywell to suppression chamber structure shall be conducted to demonstrate that the requirement of 3.7.A.4.c is met.
5. Oxygen Concentration
- a. The primary containment oxygen concentration shall be measured and recorded at least twice weekly.
- b. The quantity of liquid nitrogen in the liquid nitrogen storage tank shall be determined twice per week when the volume requirements of 3.7.A.5.c are in effect.

## LIMITING CONDITIONS FOR OPERATION

## SURVEILLANCE REQUIREMENTS

## 3.7 (cont'd.)

- E. Drywell-Suppression Chamber Differential Pressure
1. Differential pressure between the drywell and suppression chamber shall be maintained at equal to or greater than 1.47 psid except as specified in a, b, and c below.
    - a. This differential shall be established within 26 hours after placing the mode switch in run.
    - b. This differential may be decreased to less than 1.0 psid 24 hours prior to placing mode switch in refuel or shutdown.
    - c. This differential may be decreased to less than 1.0 psid for a maximum of four (4) hours during required operability testing of the HPCI system pump, the RCIC system pump and the drywell-pressure suppression chamber vacuum breakers.
  2. If the differential pressure of specification 3.7.E.1 cannot be maintained, and the differential pressure cannot be restored within the subsequent six (6) hour period, an orderly shutdown shall be initiated and the reactor shall be in Hot Standby in six (6) hours and in a Cold Shutdown condition within the following 18 hours.
  3. The specifications of 3.7.E.1 and 3.7.E.2 are not applicable during a 48 hour continuous period between the dates of March 22, 1982 and March 25, 1982.

## 4.7 (cont'd.)

- E. Drywell-Suppression Chamber Differential Pressure
1. The pressure differential between the drywell and suppression chamber shall be recorded at least once each shift.