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### 3/4.5 EMERGENCY CORE COOLING SYSTEMS (ECCS)

#### 3/4.5.1 ACCUMULATORS

##### LIMITING CONDITION FOR OPERATION

- 3.5.1 Each reactor coolant system accumulator shall be OPERABLE with:
- a. The isolation valve open,
  - b. Between 7664 and 7816 gallons of borated water,
  - c. Between 2300 and 2600 ppm of boron, and
  - d. A nitrogen cover-pressure of between 605 and 661 psig.

APPLICABILITY: MODES 1, 2 and 3.\*

##### ACTION:

- a. With one accumulator inoperable due to boron concentration not within limits, restore the inoperable accumulator to OPERABLE status within 72 hours.
- b. With one accumulator inoperable for reasons other than Action a, restore the inoperable accumulator to OPERABLE status within 24 hours.
- c. With either Action a or b not being completed within the specified completion time, be in at least HOT STANDBY within the next 6 hours and reduce pressurizer pressure to  $\leq 1000$  psig within 12 hours.

##### SURVEILLANCE REQUIREMENTS

- 4.5.1 Each accumulator shall be demonstrated OPERABLE:
- a. At least once per 12 hours by:
    1. Verifying the contained borated water volume and nitrogen cover-pressure in the tanks are within limits, and
    2. Verifying that each accumulator isolation valve is open.

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\* Pressurizer Pressure above 1000 psig.

EMERGENCY CORE COOLING SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- b. At least once per 31 days and, for only the affected accumulator, within 6 hours after each solution volume increase that is not the result of addition from the refueling water storage tank of greater than or equal to 1 percent of accumulator volume, by verifying the boron concentration of the accumulator solution.
- c. At least once per 31 days when the RCS pressure is above 2000 psig by verifying that power to the isolation valve operator control circuit is disconnected by removal of the plug in the lock out jack from the circuit.