## REACTOR COOLANT SYSTEM

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## SURVEILLANCE REQUIREMENTS

4.4.1.1.1 Each reactor coolant system recirculation loop flow control valve shall be demonstrated OPERABLE at least once per 18 months by:

- a. Verifying that the control valve fails "as is" on loss of hydraulic pressure at the hydraulic control unit, and
- b. Verifying that the average rate of control valve movement is:
  - 1. Less than or equal to 11% of stroke per second opening, and
  - 2. Less than or equal to 11% of stroke per second closing

4.4.1.1.2 Establish a baseline APRM and LPRM\* neutron flux noise valve within the regions for which monitoring is required (Specification 3.4.1.1 ACTION g) within 2 hours of entering the region for which monitoring is required unless baselining has previously been performed in the region since the last refueling outage.

4.4.1.1.3 Initially, within 1 hour upon entry into single loop operation and once per 12 hours thereafter, verify that:

- a. THERMAL POWER is less than or equal to 70% of RATED THERMAL POWER, and
- b. The recirculation flow control system is in the Loop Manual (Position Control) mode, and
- c. The volumetric recirculation flow rate is less than or equal to 33,000 gpm.

4.4.1.1.4 With one reactor coolant system recirculation loop not in operation, and either THERMAL POWER less than or equal to 30% of RATED THERMAL POWER or the recirculation loop flow in the operating loop is less than or equal to 50% of rated recirculation loop flow, within 15 minutes prior to an increase in THERMAL POWER or recirculation loop flow, verify that the following differential temperature requirements are met:

a. < 100°F between reactor vessel steam space coolant and bottom head drain line coolant, and

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\*Detector levels A and C of one LPRM string per core octant plus detectors A and C of one LPRM string in the center of core should be monitored.

## REACTOR COOLANT SYSTEM

## SURVEILLANCE REQUIREMENTS (Continued)

- b.  $\leq 50^{\circ}$ F between the reactor coolant within the loop not in operation and the coolant in the reactor pressure vessel\*\*, and
- c.  $\leq 50^{\circ}$ F between the reactor coolant within the loop not in operation and the operating loop.\*\*

RIVER BEND - UNIT 1

<sup>\*\*</sup>With one recirculation loop not in operation and isolated, the differential temperature requirements of Surveillance Requirement 4.4.1.1.4b and c are not applicable and the provision of Surveillance Requirement 4.0.4 are not applicable with respect to Surveillance Requirement 4.4.1.1.4b and c.