

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.6 RCS Loops - MODE 4

LCO 3.4.6 Two loops consisting of any combination of RCS loops and shutdown cooling (SDC) loops shall be OPERABLE and at least one loop shall be in operation.

----- NOTES-----

1. All reactor coolant pumps and SDC pumps may be not in operation for  $\leq 1$  hour per 8 hour period, provided:
  - a. No operations are permitted that would cause reduction of the RCS boron concentration; and
  - b. Core outlet temperature is maintained at least  $10^{\circ}\text{F}$  below saturation temperature.
2. No reactor coolant pump shall be started with any RCS cold leg temperature  $\leq 365^{\circ}\text{F}$  (Unit 1),  $\leq 301^{\circ}\text{F}$  (Unit 2) unless:
  - a. Pressurizer water level is  $\leq 170$  inches;
  - b. Pressurizer pressure is  $\leq 300$  psia (Unit 1),  $\leq 320$  psia (Unit 2); and
  - c. Secondary side water temperature in each steam generator is  $\leq 30^{\circ}\text{F}$  above the RCS temperature.

APPLICABILITY: MODE 4.

CALVERT CLIFFS - UNIT 1  
CALVERT CLIFFS - UNIT 2

3.4.6-1

Amendment No. 227  
Amendment No. 201

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.7 RCS Loops - MODE 5, Loops Filled

LCO 3.4.7 One shutdown cooling (SDC) loop shall be OPERABLE and in operation, and either:

- a. One additional SDC loop shall be OPERABLE; or
- b. The secondary side water level of each steam generator (SG) shall be  $\geq -50$  inches.

----- NOTES-----

1. The SDC pump of the loop in operation may be not in operation for  $\leq 1$  hour per 8 hour period provided:
  - a. No operations are permitted that would cause reduction of the RCS boron concentration; and
  - b. Core outlet temperature is maintained at least 10°F below saturation temperature.
2. One required SDC loop may be inoperable for up to 2 hours for surveillance testing provided that the other SDC loop is OPERABLE and in operation.
3. No reactor coolant pump shall be started with any RCS cold leg temperature  $\leq 365^\circ\text{F}$  (Unit 1),  $\leq 301^\circ\text{F}$  (Unit 2) unless:
  - a. The pressurizer water level is  $\leq 170$  inches;
  - b. Pressurizer pressure is  $\leq 300$  psia (Unit 1),  $\leq 320$  psia (Unit 2); and
  - c. The secondary side water temperature in each SG is  $\leq 30^\circ\text{F}$  above the RCS temperature.
4. All SDC loops may be not in operation during planned heatup to MODE 4 when at least one RCS loop is in operation.