

3.4 - LIMITING CONDITIONS FOR OPERATION

A. Standby Liquid Control System (SLCS)

The standby liquid control system (SLCS) shall be OPERABLE.

APPLICABILITY:

OPERATIONAL MODE(s) 1, 2, and 5^(a).

ACTION:

1. In OPERATIONAL MODE 1 or 2:
 - a. With one subsystem inoperable, restore the inoperable subsystem to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
 - b. With both standby liquid control subsystems inoperable, restore at least one subsystem to OPERABLE status within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours.
2. In OPERATIONAL MODE 5^(a):
 - a. With one subsystem inoperable, restore the inoperable subsystem to OPERABLE status within 30 days or fully insert all insertable control rods within the next hour.
 - b. With both standby liquid control subsystems inoperable, fully insert all insertable control rods within 1 hour.

4.4 - SURVEILLANCE REQUIREMENTS

A. Standby Liquid Control System

The standby liquid control system shall be demonstrated OPERABLE:

1. At least once per 24 hours by verifying that:
 - a. The temperature of the sodium pentaborate solution is greater than or equal to the limits of Figure 3.4.A-1.
 - b. The volume of the sodium pentaborate solution is greater than or equal to the limits shown in Figure 3.4.A-2.
 - c. The heat tracing circuit is OPERABLE by determining the temperature of the pump suction piping to be greater than or equal to 83°F.
2. At least once per 31 days by:
 - a. Verifying the continuity of the explosive charge.
 - b. Determining^(b) by chemical analysis that the available concentration of boron in solution is 14% by weight to 16.5% by weight.
 - c. Verifying that each valve, manual, power operated or automatic, in the flow path that is not locked, sealed, or otherwise secured in position, is in its correct position.

- a With any control rod withdrawn. Not applicable to control rods removed per Specification 3.10.I or 3.10.J.
- b This surveillance shall also be performed anytime water or boron is added to the solution or when the solution temperature drops below the limits specified by Figure 3.4.A-1.

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