

EMERGENCY CORE COOLING SYSTEMS

SAFETY INJECTION TANKS (Continued)

SURVEILLANCE REQUIREMENTS

- 4.5.1 Each SIT shall be demonstrated OPERABLE:
- a. Verify each SIT isolation valve is fully open at least once per 12 hours.⁽¹⁾
 - b. Verify borated water volume in each SIT is ≥ 1080 cubic feet and ≤ 1190 cubic feet at least once per 12 hours.⁽²⁾
 - c. Verify nitrogen cover-pressure in each SIT is ≥ 200 psig and ≤ 250 psig at least once per 12 hours.⁽³⁾
 - d. Verify boron concentration in each SIT is ≥ 1720 ppm at least once per 6 months, and once within 6 hours after each solution volume increase of $\geq 1\%$ of tank volume⁽⁴⁾ that is not the result of addition from the refueling water storage tank.
 - e. Verify that the closing coil in the valve breaker cubicle is removed at least once per 31 days.

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(1) If one SIT is inoperable, except as a result of boron concentration not within limits or inoperable level or pressure instrumentation, surveillance is not applicable to the affected SIT.

(2) If one SIT is inoperable due solely to inoperable water level instrumentation, surveillance is not applicable to the affected SIT.

(3) If one SIT is inoperable due solely to inoperable pressure instrumentation, surveillance is not applicable to affected SIT.

(4) Only required to be performed for affected SIT.