

CONTAINMENT SYSTEMS

DEPRESSURIZATION SYSTEMS

SUPPRESSION POOL

SURVEILLANCE REQUIREMENTS

4.6.2.1 The suppression pool shall be demonstrated OPERABLE:

- a. By verifying the suppression pool water volume to be within the limits at least once per 24 hours.
- b. At least once per 24 hours in OPERATIONAL CONDITION 1 or 2 by verifying the suppression pool average water temperature to be less than or equal to 90°F, except:
 1. During testing that adds heat to the suppression pool verify the suppression pool average water temperature less than or equal to 105°F at least once per 5 minutes.
 2. When suppression pool average water temperature is greater than or equal to 90°F, verify at least once per hour that:
 - a) Suppression pool average water temperature is less than or equal to 110°F, and
 - b) THERMAL POWER is less than or equal to 1% of RATED THERMAL POWER after suppression pool average water temperature has exceeded 90°F for more than 24 hours.
 3. Following a scram with suppression pool average water temperature greater than 90°F, verify suppression pool average water temperature less than or equal to 120°F at least once per 30 minutes.
- c. By verifying at least 20 suppression pool water temperature instrumentation channels* OPERABLE by performance of a:
 1. CHANNEL CHECK at least once per 24 hours,
 2. CHANNEL FUNCTIONAL TEST at least once per 31 days, and
 3. CHANNEL CALIBRATION** at least once per 18 months,

with the water high temperature alarm setpoint $\leq 90^{\circ}\text{F}$ for 10 of the temperature instruments and $\leq 105^{\circ}\text{F}$ for 10 of the temperature instruments.

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* At least one pair in each of 10 suppression pool sectors.

** Calibration excludes sensors; sensors comparisons shall be made in lieu of calibration.



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