

SPECIAL TEST EXCEPTIONS

3/4.10.9 NATURAL CIRCULATION TESTING PROGRAM

LIMITING CONDITION FOR OPERATION

- 3.10.9 The limitations of Specifications 3.4.1.2, 3.4.1.3, and 3.7.1.6 may be suspended during the performance of the Startup Natural Circulation Testing Program * provided:
- a. Operations involving a reduction in boron concentration of the Reactor Coolant System are suspended.
 - b. Core outlet temperature is maintained at least 10° F below Saturation temperature.
 - c. A reactor coolant pump shall not be started with one or more of Reactor Coolant System cold leg temperatures less than or equal to 255° F during cooldown, or 295° F during heatup, unless the secondary water temperature (saturation temperature corresponding to steam generator pressure) of each steam generator is less than 100° F above each of the Reactor Coolant System cold leg temperatures.

APPLICABILITY:

MODES 3 and 4 during Natural Circulation Testing.

ACTION:

With the Reactor Coolant System saturation margin less than 10° F, place at least one reactor coolant loop in operation, with at least one reactor coolant pump.

SURVEILLANCE REQUIREMENTS

- 4.10.9.1 The saturation margin shall be determined to be within the above limits by continuous monitoring with the saturation margin monitors required by Table 3.3-10 or, by calculating the saturation margin at least once per 30 minutes.

*Startup Natural Circulation Testing Program:
Loss of Offsite Power Test at 50% power
Natural Circulation Cooldown Test at 80% power

PALO VERDE - Unit 1

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