

ATTACHMENT 1

EXISTING TECHNICAL SPECIFICATIONS

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3.3 SAFETY INJECTION AND CONTAINMENT SPRAY SYSTEMS

3.3.1 OPERATING STATUS

APPLICABILITY: Applies to the operating status of the Safety Injection and Containment Spray Systems.

OBJECTIVE: To define those conditions necessary to ensure availability of the Safety Injection and Containment Spray Systems.

SPECIFICATION: A. The reactor shall not be made or maintained critical unless the following conditions are met. In addition, the reactor coolant system temperature shall not be increased above 200°F unless the containment spray system, the refueling water storage tank and the associated valves and interlocks are operable.

(1) Safety Injection Systems

- a. Refueling tank water storage and boron concentration comply with Specification 3.3.3.
- b. ESF Switchover automatic trip channel is OPERABLE with the setpoint less than or equal to 20% and greater than or equal to 18% of RWST level.
- c. Two safety injection pumps are OPERABLE.
- d. Two feed water pumps are OPERABLE.
- e. Two recirculation pumps are OPERABLE, except as indicated in item D below.
- f. The recirculation heat exchanger is OPERABLE.
- g. Two charging pumps are OPERABLE.
- h. Two component cooling water pumps are OPERABLE.
- i. Two saltwater cooling pumps are OPERABLE. The reactor may be maintained critical with one saltwater cooling pump provided the auxiliary saltwater cooling pump or two screen wash pumps are available as backup. Return the inoperable pump to operable status within 72 hours or be in HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the next 30 hours. The backup pump(s) shall be demonstrated operable by test within 1 hour of declaring the saltwater cooling pump inoperable.
- j. A minimum of 5400 pounds of anhydrous trisodium phosphate is stored in the containment sump in racks provided.

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ATTACHMENT 2

PROPOSED TECHNICAL SPECIFICATIONS

3.3.7 COMPONENT COOLING WATER SYSTEM

APPLICABILITY: MODES 1, 2, 3, and 4.

OBJECTIVE: To ensure availability of the Component Cooling Water System (CCW) which acts as a heat sink for the ECCS.

SPECIFICATION: Two independent trains of the Component Cooling Water System shall be OPERABLE with each train comprised of:

1. One CCW pump:
Train A - G-15A
Train B - either G-15B or G-15C,
2. One CCW heat exchanger,
3. One saltwater cooling pump.

ACTION: A. With one train of the CCW System inoperable, except as provided by Action B below, restore the inoperable train to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

Note: The removal from service of a saltwater pump requires that either the auxiliary saltwater pump, or two screen wash pumps are available as a backup, and have been demonstrated operable by test within 1 hour of declaring the saltwater cooling pump inoperable.

- B. One CCW heat exchanger is permitted to be removed from service for 7 days providing:
1. The OPERABLE CCW heat exchanger outlet valve, MOV-720A or MOV-720B is open with the supply breaker open.
 2. The out of service CCW heat exchanger is isolated on both the tube and shell side.
 3. Inlet cross-tie valve SWC-300 is placed in the open position.
- C. With no train of the CCW System operable, restore one train to OPERABLE status within 1 hour or be in HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

BASIS:

The OPERABILITY of the component cooling water system ensures that sufficient cooling capacity is available for continued operation of the safety related equipment during normal and accident conditions. The redundant cooling capacity of this system, assuming a single failure, is consistent with the assumptions used in the accident analyses.

The alignment of the CCW System is as follows:

Component Cooling Water System Alignment

	<u>Train A</u>	<u>Train B</u>
CCW Pumps	G-15A	G-15B or G-15C
Saltwater Pumps	G-13A	G-13B
CCW Hx	E-20A	E-20B
CCW Hx Outlet	MOV-720A	MOV-720B

Normally the CCW system is operated train aligned. To extend the time the CCW heat exchangers may be out of service, a valve alignment may be made to provide cooling using a single heat exchanger. The CCW heat exchanger being removed from service is fully isolated, and the cross-tie valve, SWC-300, on the saltwater header is opened. With SWC-300 open, both trains of saltwater pumps are available to supply the operable CCW heat exchanger. The CCW discharge valve on the operable CCW heat exchanger is failed open to assure that it cannot be closed.