PROPOSED TECHNICAL SPECIFICATION CHANGE

PLANT SYSTEMS

ULTIMATE HEAT SINK

LIMITING CONDITION FOR OPERATION

3.7.1.5 ~~Two independent residual heat removal (RHR) reservoirs shall be~~ OPERABLE with each reservoir comprised of:

Replace with Insert A

a. A ~~minimum~~ water volume of 2,990,000 gallons, equivalent to an indicated ~~water~~ level of 25 feet (580 feet elevation).

b. At least one OPERABLE cooling tower with two cooling fans.

c. A maximum average water temperature of less than or equal to 80°F.

d. A minimum average water temperature of greater than or equal to 41°F.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, 3, 4, 5 and *.

ACTION:

Replace with Insert B

With the requirements of Specification 3.7.1.5.a, b, or c not satisfied:

a. For one reservoir, restore the inoperable reservoir to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours and declare the associated safety related equipment inoperable and take the ACTION required by Specifications 3.4.9.1, 3.4.9.2, 3.5.1, 3.5.2, 3.6.2.2, 3.6.2.3, 3.9.11.1 and 3.9.11.2, as applicable,

b. For both reservoirs:

1. In OPERATIONAL CONDITIONS 1, 2 or 3, be in at least HOT SHUTDOWN within 12 hours and in COLD SHUTDOWN within the next 24 hours.

2. In OPERATIONAL CONDITIONS 4 or 5, declare the RHRSW system, the EECW system, the EESW system and the emergency diesel generators inoperable and take the ACTION required by Specifications 3.7.1.1, 3.7.1.2, 3.7.1.3 and 3.8.1.2.

3. In Operational Condition *, declare the emergency diesel generators inoperable and take the ACTION required by Specification 3.8.1.2. The provisions of Specification 3.0.3 are not applicable.

With the requirements of Specification 3.7.1.5.d for one or both reservoirs not satisfied, perform a visual inspection of the reservoir(s) at least once per 12 hours to verify that no ice has formed. If ice is observed, demonstrate the OPERABILITY of each safety related pump in the reservoir(s) by running each safety related pump at least once per 8 hours.

*When handling irradiated fuel in the secondary containment.

INSERT A

3.7.1.5 The Ultimate Heat Sink, comprised of two one-half capacity residual heat removal (RHR) reservoirs with the capability of being cross-connected, shall be OPERABLE with:

a. A minimum water volume of 2,990,000 gallons in each reservoir (equivalent to an indicated water level of 25 feet or 580 feet elevation).

b. A maximum average water temperature of less than or equal to 80°F for each reservoir.

c. At least one OPERABLE cooling tower with two cooling fans for each reservoir.

d. A minimum combined water volume in the two reservoirs of 5,980,00 gallons.

e. A maximum combined average water temperature for the two reservoirs of less than or equal to 80°F.

f. A minimum average water temperature of greater than or equal to 41°F for each reservoir.

g. Two reservoir cross-connect lines, each with two OPERABLE motor operated cross-connect valves.

INSERT B

a. With one or more of the requirements of Specification 3.7.1.5.a, b, and c not satisfied declare the affected reservoir(s) inoperable and take the ACTION required by d. or e. below.

b. With the combined water volume requirement of Specification 3.7.1.5.d or the combined average water temperature of Specification 3.7.1.5.e not satisfied declare both reservoirs inoperable and take the ACTION required by e. below.

c. With one or more reservoir cross-connect valves inoperable, within 8 hours open and de-energize both valves in at least one cross-connect line and verify that these valves remain open and de-energized at least once per 7 days. The provisions of Specification 3.0.4 are not applicable. Otherwise, declare both reservoirs inoperable and take the ACTION of e. below.

d. With one reservoir inoperable declare the associated RHRSW system subsystem, EESW system subsystem, and diesel generator cooling water subsystem inoperable and take the ACTION required by Specifications 3.7.1.1, 3.7.1.3 and 3.7.1.4.

e. With both reservoirs inoperable:

1. In OPERATIONAL CONDITIONS 1, 2 or 3, be in at least HOT SHUTDOWN within 12 hours and in COLD SHUTDOWN within the next 24 hours.

2. In OPERATIONAL CONDITIONS 4 or 5, declare the RHRSW system, the EESW system and the diesel generator cooling water systems inoperable and take the ACTION required by Specifications 3.7.1.1, 3.7.1.3 and 3.7.1.4.

3. In OPERATIONAL CONDITION *, declare the diesel generator cooling water systems inoperable and take the ACTION required by Specification 3.7.1.4. The provisions of Specification 3.0.3 are not applicable.

f. With the requirements of Specification 3.7.1.5.f for one or both reservoirs not satisfied, perform a visual inspection of the reservoir(s) at least once per 12 hours to verify that no ice has formed. If ice is observed, demonstrate the OPERABILITY of each safety related pump in the reservoir(s) by running each safety related pump at least once per 8 hours. The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.1.5 ~~Each RHR reservoir~~ The Ultimate Heat Sink shall be determined OPERABLE at least once per:

a. 24 hours by verifying the individual and combined average water temperature and water ~~level~~ volume to be within their limits.

b. 31 days by:

1. Starting each cooling tower fan from the control room and operating the fan on slow speed and on fast speed,* each for at least 15 minutes.

2. For each electrical division of cross-connect valves, verify at least one valve in the ~~division is closed and the other valve in the~~ division is open.

c. 92 days by cycling each reservoir cross-connect valve through at least one cycle of full travel.

*Fast speed need not be tested during icing periods.