ATTACHMENT ST-HL-AE-PAGE OF

EMERGENCY CORE COOLING SYSTEMS

3/4.5.6 RESIDUAL HEAT REMOVAL (RHR) SYSTEM

LIMITING CONDITION FOR OPERATION

3.5.6 Three independent Residual Heat Removal (RHR) loops shall be OPERABLE with each loop comprised of:

- a. One OPERABLE RHR pump,
- b. One OPERABLE RHR heat exchanger, and
- c. One OPERABLE flowpath capable of taking suction from its associated RCS hot leg and discharging to its associated RCS cold leg.*

APPLICABILITY: MODES 1, 2 and 3.

ACTION:

10 days

- a. With one RHR loop inoperable, restore the required loop to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in HOT SHUTDOWN within the following 6 hours.
- b. With two RHR loops inoperable, restore at least two RHR loops to OPERABLE status within a hours or be in at least HOT STANDBY within 6 hours and in HOT SHUTDOWN within the following 6 hours.
- c. With three RHR loops inoperable, immediately initiate corrective action to restore at least one RHR loop to OPERABLE status as soon as possible.

SURVEILLANCE REQUIREMENTS

4.5.6.1 Each RHR loop shall be demonstrated OPERABLE pursuant to the pursuant to the requirements of Specification 4.0.5. per every six months. requirements of Specification 4.0.5. 4.5.6.2 At least once per 18 months by verifying automatic interlock action of the RHR system from the Reactor Coolant System to ensure that:

a. With a simulated or actual Reactor Coolant System pressure signal greater than or equal to 350 psig, the interlocks prevent the valves from being opened.

*Valves MOV-0060 A, B, and C and MOV-0061, A, B, and C may have power removed to support the FHAR (Fire Hazard Analysis Report) assumptions.

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ATTCHMENT CT 12 AE-P CE OF

CONTAINMENT SYSTEMS

3/4.6.2 DEPRESSURIZATION AND COOLING SYSTEMS

CONTAINMENT SPRAY SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.2.1 Three independent Containment Spray Systems shall be OPERABLE with each Spray System capable of taking suction from the RWST and transferring suction to the containment sump.

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

ACTION: With one Containment Spray System in Perable, restore the inoperable Spray System to OPERABLE status within Terror or be in at least HOT STANDBY within the next 6 hours; restore the inoperable Spray System to OPERABLE status within the next 48 hours or be in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.6.2.1 Each Containment Spray System shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power-operated, or automatic) in the flow path that is not locked, sealed, or otherwise secured in position, is in its correct position;
- b. By verifying, that on recirculation flow, each pump develops a differential pressure of greater than or equal to 283 psid, when when Lested processi to Specificotion 4.9 tested pursuant to specification 4.0.5.
- c. . At least once per 18 months during shutdown, by:
 - Verifying that each automatic valve in the flow path actuates 1) to its correct position on a Containment Pressure High 3 test signal, and
 - Verifying that each spray pump starts automatically on a Contain-2) ment Pressure High 3 test signal coincident with a sequencer start signal.
- At least once per 5 years by performing an air or smoke flow test d. through each spray header and verifying each spray nozzle is unobstructed.

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