

EMERGENCY CORE COOLING SYSTEMS3/4.5.3 SUPPRESSION POOLLIMITING CONDITION FOR OPERATION

3.5.3 The suppression pool shall be OPERABLE:

- a. In OPERATIONAL CONDITION 1, 2 or 3 with a contained water volume of at least 135,291 ft³, equivalent to a level of 18'4-1/12."
- b. In OPERATIONAL CONDITION 4 or 5* with a contained water volume of at least 93,600 ft³, equivalent to a level of 12'8", except that the suppression pool level may be less than the limit or may be drained provided that:
 1. No operations are performed that have a potential for draining the reactor vessel,
 2. The reactor mode switch is locked in the Shutdown or Refuel position,
 3. The condensate storage tank contains at least 170,000 available gallons of water, equivalent to a level of 18', and
 4. The HPCS system is OPERABLE per Specification 3.5.2 with an OPERABLE flow path capable of taking suction from the condensate storage tank and transferring the water through the spray sparger to the reactor vessel.

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

ACTION:

- a. In OPERATIONAL CONDITION 1, 2 or 3 with the suppression pool water level less than the above limit, restore the water level to within the limit within 1 hour or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. In OPERATIONAL CONDITION 4 or 5* with the suppression pool water level less than the above limit or drained and the above required conditions not satisfied, suspend CORE ALTERATIONS and all operations that have a potential for draining the reactor vessel and lock the reactor mode switch in the Shutdown position. Establish SECONDARY CONTAINMENT INTEGRITY within 2 hours. When operating under this ACTION, the cavity cannot be drained.

* See Specification 3.6.3.1 for pressure suppression requirements.

* The suppression pool is not required to be OPERABLE provided that the reactor vessel head is removed, the cavity is flooded or being flooded from the suppression pool, the reactor cavity ~~and transfer canal gates in the upper containment pool are removed~~ when the cavity is flooded, and the water level is maintained within the limits of Specification 3.9.8 and 3.9.9.

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EMERGENCY CORE COOLING SYSTEMS3/4 5.2 ECCS - SHUTDOWNLIMITING CONDITION FOR OPERATION

3.5.2 At least two of the following shall be OPERABLE:

- a. The low pressure core spray (LPCS) system with a flow path capable of taking suction from the suppression pool and transferring the water through the spray sparger to the reactor vessel.
- b. Low pressure coolant injection (LPCI) subsystem "A" of the RHR system with a flow path capable of taking suction from the suppression pool upon being manually realigned and transferring the water to the reactor vessel.
- c. Low pressure coolant injection (LPCI) subsystem "B" of the RHR system with a flow path capable of taking suction from the suppression pool upon being manually realigned and transferring the water to the reactor vessel.
- d. Low pressure coolant injection (LPCI) subsystem "C" of the RHR system with a flow path capable of taking suction from the suppression pool upon being manually realigned and transferring the water to the reactor vessel.
- e. The high pressure core spray (HPCS) system with a flow path capable of taking suction from one of the following water sources and transferring the water through the spray sparger to the reactor vessel:
 1. From the suppression pool, or
 2. When the suppression pool level is less than the limit or is drained, from the condensate storage tank containing at least 170,000 available gallons of water, equivalent to a level of 18 feet.

APPLICABILITY: OPERATIONAL CONDITION 4 and 5*.

ACTION:

- a. With one of the above required subsystems/systems inoperable, restore at least two subsystems/systems to OPERABLE status within 4 hours or suspend all operations that have a potential for draining the reactor vessel. ~~The provisions of Specification 3.0.4 are not applicable.~~
- b. With both of the above required subsystems/systems inoperable, suspend CORE ALTERATIONS and all operations that have a potential for draining the reactor vessel. Restore at least one subsystem/system to OPERABLE status within 4 hours or establish SECONDARY CONTAINMENT INTEGRITY within the next 8 hours. When operating under this ACTION, the cavity cannot be drained.

* The ECCS is not required to be OPERABLE provided that the reactor vessel head is removed, the cavity is flooded, the reactor cavity ~~and transfer canal gates~~ in the upper containment pool are removed, and water level is maintained within the limits of Specifications 3.9.8 and 3.9.9.

~~This exception is applicable until startup from the second refueling outage~~