

**THIS PAGE APPLICABLE TO UNIT 2 ONLY**

**3.7 PLANT SYSTEMS**

**3.7.6 Condensate Storage Tank (CST)**

- LCO 3.7.6 Two CSTs shall be OPERABLE with:
- a. A combined safety-related volume of  $\geq 378,000$  gallons; and
  - b. The CST aligned to supply the auxiliary feedwater pumps shall have a safety-related volume  $\geq 340,000$  gallons.

APPLICABILITY: MODES 1, 2, and 3,

**ACTIONS**

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. CST volume(s) not within limit(s).	A.1 Restore volume(s) to within limit(s).	2 hours
B. Required Action and associated Completion Time not met.	B.1 Be in MODE 3.	6 hours
	<u>AND</u> B.2 Be in MODE 4	12 hours

**SURVEILLANCE REQUIREMENTS**

SURVEILLANCE	FREQUENCY
SR 3.7.6.1 Verify CST volumes within limits.	12 hours

THIS PAGE APPLICABLE TO UNIT 2 ONLY

BASES

---

LCO  
(continued)

established in Reference 4 and exceeds the volume required by the accident analysis.

The OPERABILITY of the CST is determined by maintaining the tank level at or above the minimum required level. Either CST V4001 or CST V4002 may be used to satisfy the LCO requirement.

For Unit 2 only, two CSTs are required to be OPERABLE with a combined safety-related volume of  $\geq 378,000$  gallons, and the CST aligned to supply the auxiliary feedwater pumps shall have a safety-related volume  $\geq 340,000$  gallons. The basis for requiring an additional 38,000 gallons of safety-related usable CST inventory is to support the elimination of the bypass line and associated valve bonnet depressurization line for the 2HV-8701B RHR suction isolation valve. The elimination of the bypass line and valve bonnet depressurization line requires an additional 3 hours for a total of 12 hours prior to placing RHR Train A in service. The additional time ensures that the 2HV-8701B valve bonnet and the space between the 2HV-8701B and 2HV-8701A RHR suction isolation valves have depressurized sufficiently to allow the suction isolation valves to be opened.

---

APPLICABILITY

In MODES 1, 2, and 3, the CST is required to be OPERABLE.

Due to the reduced heat removal requirements and short period of time in MODE 4 and the availability of RHR in MODE 4, the LCO does not require a CST to be OPERABLE in this MODE.

In MODE 5 or 6, the CST is not required because the AFW System is not required.

THIS PAGE APPLICABLE TO UNIT 2 ONLY

BASES (continued)

---

ACTIONS

A.1 and A.2

If one or both of the CST volumes are not within limits, the volume(s) must be restored to within limits within 2 hours. This Completion Time is acceptable based on : 1) The ACTIONS being entered as soon as the CST level(s) decreased below limit(s), which would provide reasonable assurance of at least sufficient capacity to support AFW operation for at least the 2 hour Completion Time; and 2) The low probability of an event occurring during this interval that would require the CSTs to be fully OPERABLE.

B.1 and B.2

If the AFW pumps cannot be aligned to an OPERABLE CST within the required Completion Time, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in at least MODE 3 within 6 hours, and in MODE 4 within 12 hours. The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power conditions in an orderly manner and without challenging unit systems.

---

SURVEILLANCE  
REQUIREMENTS

SR 3.7.6.1

CST V4001 (LI-5101 and LI-5111A)  
CST V4002 (LI-5104 and LI-5116A)

This SR verifies that the CSTs contain the required volumes of cooling water. The 12 hour Frequency is based on operating experience and the need for operator awareness of unit evolutions that may affect the CST inventory between checks. Also, the 12 hour Frequency is considered adequate in view of other indications in the control room, including alarms, to alert the operator to abnormal deviations in the CST level.

(continued)