

3.7 PLANT SYSTEMS

3.7.5 Auxiliary Feedwater (AFW)

LCO 3.7.5 The AFW System shall be OPERABLE with; one turbine driven AFW pump system and two motor driven AFW pump systems.

-----NOTE-----
Only the motor driven AFW pump systems associated with steam generators relied upon for heat removal are required to be OPERABLE in MODE 4.

APPLICABILITY: MODES 1, 2, and 3,
MODE 4 when steam generator is relied upon for heat removal.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One steam supply to turbine driven AFW pump system inoperable.	A.1 Restore steam supply to OPERABLE status.	7 days <u>AND</u> 10 days from discovery of failure to meet the LCO
B. One turbine driven AFW pump system inoperable in MODE 1, 2 or 3 for reasons other than Condition A.	B.1 Restore turbine driven AFW pump system to OPERABLE status.	72 hours <u>AND</u> 10 days from discovery of failure to meet the LCO

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. One motor driven AFW pump system inoperable in MODE 1, 2 or 3.</p>	<p>C.1 Restore motor driven AFW pump system to OPERABLE status.</p>	<p>7 days <u>AND</u> 10 days from discovery of failure to meet the LCO</p>
<p>D. Required Action and associated Completion Time for Condition A, B, or C not met.</p> <p><u>OR</u></p> <p>Two AFW pump systems inoperable in MODE 1, 2, or 3.</p>	<p>D.1 -----NOTE----- Each unit may be sequentially placed in MODE 3 within 12 hours when both units are in Condition D concurrently. ----- Be in MODE 3.</p> <p><u>AND</u></p> <p>D.2 -----NOTE----- Entry into MODE 4 is not required unless one motor driven AFW pump system is OPERABLE. ----- Be in MODE 4.</p>	<p>6 hours</p> <p>18 hours</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>E. Three AFW pump systems inoperable in MODE 1, 2, or 3.</p>	<p>E.1 -----NOTE----- LCO 3.0.3 and all other LCO Required Actions requiring MODE changes are suspended until one AFW pump system is restored to OPERABLE status. ----- Initiate action to restore one AFW pump system to OPERABLE status.</p>	<p>Immediately</p>
<p>F. One or more required AFW pump systems inoperable in MODE 4.</p>	<p>F.1 Initiate action to restore AFW pump system(s) to OPERABLE status.</p>	<p>Immediately</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.7.5.1 -----NOTE----- AFW pump system(s) may be considered OPERABLE during alignment and operation for steam generator level control, if it is capable of being manually realigned to the AFW mode of operation. ----- Verify each AFW manual, power operated, and automatic valve in each water flow path, and in both steam supply flow paths to the steam turbine driven pump, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	<p>31 days</p>

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