

3.7 PLANT SYSTEMS

3.7.8 Essential Service Water (SX) System

LCO 3.7.8 The following SX trains shall be OPERABLE:

- a. Two unit-specific SX trains; and
- b. One opposite-unit SX train for unit-specific support.

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

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. -----NOTES----- 1. Not applicable to Unit 1 during replacement of the SX suction isolation valves during Unit 2 Refueling 11 while Unit 2 is in MODE 5, 6, or defueled. 2. Not applicable to Unit 2 during replacement of the SX suction isolation valves during Unit 1 Refueling 13 while Unit 1 is in MODE 5, 6, or defueled. ----- One unit-specific SX train inoperable.</p>	<p>A.1 -----NOTES----- 1. Enter applicable Conditions and Required Actions of LCO 3.8.1, "AC Sources-Operating," for Emergency Diesel Generator made inoperable by SX. 2. Enter applicable Conditions and Required Actions of LCO 3.4.6, "RCS Loops-MODE 4," for Residual Heat Removal loops made inoperable by SX. ----- Restore unit-specific SX train to OPERABLE status.</p>	<p>72 hours</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. -----NOTES----- 1. Only applicable to Unit 1 during replacement of the SX suction isolation valves during Unit 2 Refueling 11 while Unit 2 is in MODE 5, 6, or defueled. 2. Only applicable to Unit 2 during replacement of the SX suction isolation valves during Unit 1 Refueling 13 while Unit 1 is in MODE 5, 6, or defueled. ----- One unit-specific SX train inoperable.</p>	<p>B.1 -----NOTES----- 1. Enter applicable Conditions and Required Actions of LCO 3.8.1, "AC Sources-Operating," for Emergency Diesel Generator made inoperable by SX. 2. Enter applicable Conditions and Required Actions of LCO 3.4.6, "RCS Loops-MODE 4," for Residual Heat Removal loops made inoperable by SX. ----- Restore unit-specific SX train to OPERABLE status.</p>	<p>144 hours</p>
<p>C. Opposite-unit SX train inoperable.</p>	<p>C.1 -----NOTE----- LCO 3.0.4 is not applicable. ----- Restore opposite-unit SX train to OPERABLE status.</p>	<p>7 days</p>
<p>D. Required Action and associated Completion Time of Condition A, B or C not met.</p>	<p>D.1 Be in MODE 3. <u>AND</u> D.2 Be in MODE 5.</p>	<p>6 hours 36 hours</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.8.1	<p>-----NOTE----- Isolation of SX flow to individual components does not render the SX System inoperable. -----</p> <p>Verify each unit-specific SX manual, power operated, and automatic valve in the flow path servicing safety related equipment, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	31 days
SR 3.7.8.2	<p>-----NOTE----- Not required when opposite unit is in MODE 1, 2, 3, or 4. -----</p> <p>Operate the opposite-unit SX pump for ≥ 15 minutes.</p>	31 days
SR 3.7.8.3	Cycle each opposite-unit SX crosstie valve that is not secured in the open position with power removed.	92 days
SR 3.7.8.4	Verify each unit-specific SX automatic valve in the flow path that is not locked, sealed, or otherwise secured in position, actuates to the correct position on an actual or simulated actuation signal.	18 months
SR 3.7.8.5	Verify each unit-specific SX pump starts automatically on an actual or simulated actuation signal.	18 months