

Comment: Condition D is a default Condition and is therefore excluded.

ECCS - Operating
3.5.2

3.5 EMERGENCY CORE COOLING SYSTEMS (ECCS)

3.5.2 ECCS - Operating

LCO 3.5.2 Two ECCS trains shall be OPERABLE.

APPLICABILITY: MODES 1 and 2,
MODE 3 with pressurizer pressure \geq [1700] psia.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>-----REVIEWER'S NOTE----- The adoption of this Condition is contingent upon implementation of a program to perform a contemporaneous assessment of the overall impact on safety of proposed plant configurations prior to performing and during performance of maintenance activities that remove equipment from service. -----</p>		
<p>A. One LPSI subsystem inoperable.</p>	<p>A.1 Restore subsystem to OPERABLE status.</p> <p>[Reviewer's Note: Below applicable to TSTF 505</p> <p>OR</p> <p>A.2.1 Establish a RICT</p> <p>AND</p> <p>A.2.2 Restore subsystem to OPERABLE status.</p>	<p>7 days</p> <p><u>7 days</u></p> <p>In accordance with the Risk Informed Completion Time Program, not to exceed 30 days]</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>B. One or more trains inoperable for reasons other than Condition A.</p>	<p>B.1 Restore train(s) to OPERABLE status.</p> <p>[Reviewer's Note: Below applicable to TSTF 505]</p> <p>OR</p> <p>-----NOTE----- Required Actions B.2.1 and B.2.2 may not be voluntarily entered. -----</p> <p>B.2.1 Establish a RICT</p> <p>AND</p> <p>B.2.2 Restore train(s) to OPERABLE status.</p>	<p>72 hours</p> <p><u>72 hours</u></p> <p>In accordance with the Risk Informed Completion Time Program, not to exceed 30 days]</p>
<p>C. Required Action and associated Completion Time not met.</p>	<p>C.1 Be in MODE 3.</p> <p><u>AND</u></p> <p>C.2 Reduce pressurizer pressure to < [1700] psia.</p>	<p>6 hours</p> <p>12 hours</p>

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>D. Less than 100% of the ECCS flow equivalent to a single OPERABLE train available.</p>	<p>D.1 Enter LCO 3.0.3.</p> <p>[Reviewer's Note: Below applicable to TSTF 505]</p> <p>OR</p> <p>-----NOTE----- Required Actions D.2.1 and D.2.2 may not be voluntarily entered. -----</p> <p>D.2.1 Establish a RICT</p> <p>AND</p> <p>D.2.2 Restore ECCS flow equivalent to 100% of a single OPERABLE ECCS train.</p>	<p>Immediately</p> <p>1 hour</p> <p>In accordance with the Risk Informed Completion Time Program, not to exceed 30 days]</p>

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY												
<p>SR 3.5.2.1 [Verify the following valves are in the listed position with power to the valve operator removed [and key locked in position].</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>Valve Number</u></td> <td style="text-align: center;"><u>Position</u></td> <td style="text-align: center;"><u>Function</u></td> </tr> <tr> <td style="text-align: center;">[]</td> <td style="text-align: center;">[]</td> <td style="text-align: center;">[]</td> </tr> <tr> <td style="text-align: center;">[]</td> <td style="text-align: center;">[]</td> <td style="text-align: center;">[]</td> </tr> <tr> <td style="text-align: center;">[]</td> <td style="text-align: center;">[]</td> <td style="text-align: center;">[]</td> </tr> </table>	<u>Valve Number</u>	<u>Position</u>	<u>Function</u>	[]	[]	[]	[]	[]	[]	[]	[]	[]	<p>12 hours]</p>
<u>Valve Number</u>	<u>Position</u>	<u>Function</u>											
[]	[]	[]											
[]	[]	[]											
[]	[]	[]											
<p>SR 3.5.2.2 Verify each ECCS manual, power operated, and automatic valve in the flow path, that is not locked, sealed, or otherwise secured in position, is in the correct position.</p>	<p>31 days</p>												
<p>SR 3.5.2.3 [Verify ECCS piping is full of water.</p>	<p>31 days]</p>												

SURVEILLANCE		FREQUENCY
SR 3.5.2.4	Verify each ECCS pump's developed head at the test flow point is greater than or equal to the required developed head.	In accordance with the Inservice Testing Program
SR 3.5.2.5	[Verify each charging pump develops a flow of \geq [36] gpm at a discharge pressure of \geq [2200] psig.	In accordance with the Inservice Testing Program]

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.5.2.6	Verify each ECCS automatic valve that is not locked, sealed, or otherwise secured in position, in the flow path actuates to the correct position on an actual or simulated actuation signal.	[18] months
SR 3.5.2.7	Verify each ECCS pump starts automatically on an actual or simulated actuation signal.	[18] months
SR 3.5.2.8	Verify each LPSI pump stops on an actual or simulated actuation signal.	[18] months
SR 3.5.2.9	[Verify, for each ECCS throttle valve listed below, each position stop is in the correct position. <u>Valve Number</u> [] []	[18] months]
SR 3.5.2.10	Verify, by visual inspection, each ECCS train containment sump suction inlet is not restricted by debris and the suction inlet trash racks and screens show no evidence of structural distress or abnormal corrosion.	[18] months