

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.4 Safety/Relief Valves (S/RVs)

LCO 3.4.4 The safety function of five S/RVs shall be OPERABLE,
AND
The relief function of four additional S/RVs shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more required S/RVs inoperable.	A.1 Be in MODE 3.	12 hours
	<u>AND</u> A.2 Be in MODE 4.	36 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY								
SR 3.4.4.1	Verify the safety function lift setpoints of the required S/RVs are as follows:	In accordance with the Inservice Testing Program								
	<table border="1"> <thead> <tr> <th><u>Number of S/RVs</u></th> <th><u>Setpoint (psig)</u></th> </tr> </thead> <tbody> <tr> <td>7</td> <td>1195 +36, -60</td> </tr> <tr> <td>5</td> <td>1205 +36, -60</td> </tr> <tr> <td>4</td> <td>1210 +36, -60</td> </tr> </tbody> </table>		<u>Number of S/RVs</u>	<u>Setpoint (psig)</u>	7	1195 +36, -60	5	1205 +36, -60	4	1210 +36, -60
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(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.4.4.2	<p style="text-align: center;">-----NOTE-----</p> <p>Valve actuation may be excluded.</p> <p>-----</p> <p>Verify each required relief function S/RV actuates on an actual or simulated automatic initiation signal.</p>	18 months
SR 3.4.4.3	<p style="text-align: center;">-----NOTE-----</p> <p>Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test.</p> <p>-----</p> <p>Verify each required S/RV relief mode actuator strokes when manually actuated.</p>	<p>In accordance with the Inservice Testing Program on a STAGGERED TEST BASIS for each valve solenoid</p>

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE		FREQUENCY
SR 3.5.1.5	<p style="text-align: center;">-----NOTE-----</p> <p>Vessel injection/spray may be excluded.</p> <hr/> <p>Verify each ECCS injection/spray subsystem actuates on an actual or simulated automatic initiation signal.</p>	18 months
SR 3.5.1.6	<p style="text-align: center;">-----NOTE-----</p> <p>Valve actuation may be excluded.</p> <hr/> <p>Verify the ADS actuates on an actual or simulated automatic initiation signal.</p>	18 months
SR 3.5.1.7	<p style="text-align: center;">-----NOTE-----</p> <p>Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test.</p> <hr/> <p>Verify each ADS valve relief mode actuator strokes when manually actuated.</p>	In accordance with the Inservice Testing Program on a STAGGERED TEST BASIS for each valve solenoid
SR 3.5.1.8	<p style="text-align: center;">-----NOTE-----</p> <p>ECCS actuation instrumentation is excluded.</p> <hr/> <p>Verify the ECCS RESPONSE TIME for each ECCS injection/spray subsystem is within limits.</p>	18 months

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.6.1.6.1</p> <p style="text-align: center;">NOTE</p> <p>Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test.</p> <hr/> <p>Verify each LLS valve relief mode actuator strokes when manually actuated.</p>	<p>In accordance with the Inservice Testing Program on a STAGGERED TEST BASIS for each valve solenoid</p>
<p>SR 3.6.1.6.2</p> <p style="text-align: center;">NOTE</p> <p>Valve actuation may be excluded.</p> <hr/> <p>Verify the LLS System actuates on an actual or simulated automatic initiation signal.</p>	<p>18 months</p>