

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 |
| | <u>Number of S/RVs</u> | |
| | <u>Setpoint (psig)</u> | |
| | 7 | |
| | 5 | |
| | 4 | |
| | 1195 +36, -60 | |
| | 1205 +36, -60 | |
| | 1210 +36, -60 | |

(continued)

SURVEILLANCE REQUIREMENTS (continued)

| SURVEILLANCE | FREQUENCY |
|---|---|
| <p>SR 3.4.4.2 -----NOTE----- Valve actuation may be excluded.</p> <p>Verify each required relief function S/RV actuates on an actual or simulated automatic initiation signal.</p> | <p>18 months</p> |
| <p>SR 3.4.4.3 -----NOTE----- Not required to be performed until 12 hours after reactor steam pressure and flow are adequate to perform the test.</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>-----NOTE-----</p> <p>Vessel injection/spray may be excluded.</p> <p>-----</p> | 18 months |
| | <p>Verify each ECCS injection/spray subsystem actuates on an actual or simulated automatic initiation signal.</p> | |
| SR 3.5.1.6 | <p>-----NOTE-----</p> <p>Valve actuation may be excluded.</p> <p>-----</p> | 18 months |
| | <p>Verify the ADS actuates on an actual or simulated automatic initiation signal.</p> | |
| SR 3.5.1.7 | <p>-----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> | In accordance with the Inservice Testing Program on a STAGGERED TEST BASIS for each valve solenoid |
| | <p>Verify each ADS valve relief mode actuator strokes when manually actuated.</p> | |
| SR 3.5.1.8 | <p>-----NOTE-----</p> <p>ECCS actuation instrumentation is excluded.</p> <p>-----</p> | 18 months |
| | <p>Verify the ECCS RESPONSE TIME for each ECCS injection/spray subsystem is within limits.</p> | |

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> |