

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.11 Pressurizer Power Operated Relief Valves (PORVs)

LCO 3.4.11 Each PORV and associated block valve shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

-----NOTE-----
Separate Condition entry is allowed for each PORV.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more PORVs inoperable solely due to excessive seat leakage.	A.1 Close and maintain power to associated block valve.	1 hour
B. One PORV inoperable for reasons other than excessive seat leakage.	B.1 Close associated block valve.	1 hour
	<u>AND</u>	
	B.2 Remove power from associated block valve.	1 hour
	<u>AND</u>	
	B.3 Restore the Class I PORV to OPERABLE status.	72 hours
C. One block valve inoperable.	-----NOTE----- Required Actions do not apply when block valve is inoperable solely as result of complying with Required Actions B.2 or E.3. -----	1 hour
	C.1 Place associated PORV in manual control. <u>AND</u>	(continued)

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. (continued)	C.2 If the block valve is associated with a Class I PORV: Restore block valve to OPERABLE status. <u>OR</u>	72 hours
	C.3 If the block valve is associated with the non-Class I PORV: Close the block valve and remove its power.	72 hours
D. Required Action and associated Completion Time of Condition A, B, or C not met.	D.1 Initiate action to restore Class I PORV and/or associated block valve(s) to OPERABLE status. <u>AND</u>	Immediately
	D.2 Be in MODE 3. <u>AND</u>	6 hours
	D.3 Be in MODE 4.	12 hours
E. Two Class I PORVs inoperable for reasons other than excessive seat leakage.	E.1 Initiate action to restore Class I PORVs to OPERABLE status. <u>AND</u>	Immediately
	E.2 Close associated block valves. <u>AND</u>	1 hour
	E.3 Remove power from associated block valves. <u>AND</u>	1 hour
	E.4 Be in MODE 3. <u>AND</u>	6 hours
	E.5 Be in MODE 4.	12 hours

(continued)

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.4.11.1	<p>-----NOTE----- Not required to be performed with block valve closed in accordance with the Required Actions of this LCO. ----- Perform a complete cycle of each block valve.</p>	92 days
SR 3.4.11.2	<p>-----NOTE----- Required to be performed during MODES 3 or 4. ----- Perform a complete cycle of each PORV.</p>	In accordance with the IST Plan.
SR 3.4.11.3	Demonstrate OPERABILITY of the safety related nitrogen supply for the Class I PORVs.	24 months
SR 3.4.11.4	Perform a COT on each required Class 1 PORV, excluding actuation.	92 days
SR 3.4.11.5	Perform CHANNEL CALIBRATION for each required Class 1 PORV actuation channel.	24 months