

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
F. More than one block valve inoperable.	F.1 Place associated PORVs in manual control.	1 hour
	<u>AND</u>	
	F.2 Restore one block valve to OPERABLE status.	2 hours
	<u>AND</u>	
	F.3 Restore remaining block valve to OPERABLE status.	72 hours
G. Required Action and associated Completion Time of Condition F not met.	G.1 Be in MODE 3.	6 hours
	<u>AND</u>	
	G.2 Be in MODE 4.	12 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.4.11.1</p> <p>-----NOTES-----</p> <ol style="list-style-type: none"> Not required to be met with block valve closed in accordance with the Required Action of Condition B or E. Not required to be performed prior to entry into MODE 3. Not required to be performed for Unit 2 for the remainder of operating cycle 16 for block valve Q2B31MOV8000B. <p>-----</p> <p>Perform a complete cycle of each block valve.</p>	92 days

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.4.11.2	-----NOTE----- Not required to be performed prior to entry into MODE 3.	18 months
	Perform a complete cycle of each PORV during MODE 3 or 4.	
SR 3.4.11.3	Perform a complete cycle of each PORV using the backup PORV control system.	18 months
SR 3.4.11.4	-----NOTE----- Required to be performed only for Unit 2 for the remainder of operating cycle 16.	24 hours
	Check power available to the Unit Two PORV block valve Q2B31MOV8000B.	

BASES

ACTIONS
(continued)

G.1 and G.2

If the Required Actions of Condition F are not met, then the plant must be brought to a MODE in which the LCO does not apply. To achieve this status, the plant must be brought to at least MODE 3 within 6 hours and to MODE 4 within 12 hours. The allowed Completion Times are reasonable, based on operating experience, to reach the required plant conditions from full power conditions in an orderly manner and without challenging plant systems. In MODES 4, 5, and 6, the PORVs are not required OPERABLE.

**SURVEILLANCE
REQUIREMENTS**

SR 3.4.11.1

Block valve cycling verifies that the valve(s) can be closed if needed. The basis for the Frequency of 92 days is the ASME Code, Section XI (Ref. 3). If the block valve is closed to isolate a PORV that is capable of being manually cycled, the OPERABILITY of the block valve is of importance, because opening the block valve is necessary to permit the PORV to be used for manual control of reactor pressure. If the block valve is closed to isolate an otherwise inoperable PORV, the maximum Completion Time to restore the PORV and open the block valve is 72 hours, which is well within the allowable limits (25%) to extend the block valve Frequency of 92 days. Furthermore, these test requirements would be completed by the reopening of a recently closed block valve upon restoration of the PORV to OPERABLE status (i.e., completion of the Required Actions fulfills the SR).

This SR is modified by two Notes. Note 1 modifies this SR by stating that it is not required to be met with the block valve closed, in accordance with the Required Action of this LCO. Note 2 modifies this SR to allow entry into and operation in MODE 3 prior to performing the SR. This allows the test to be performed in MODE 3 under operating temperature conditions, prior to entering MODE 1 or 2. A temporary third note has been added to suspend SR 3.4.11.1 for Unit Two PORV block valve Q2B31MOV8000B for the remainder of operating cycle 16.

(continued)

BASES

**SURVEILLANCE
REQUIREMENTS**
(continued)

SR 3.4.11.2

SR 3.4.11.2 requires a complete cycle of each PORV in MODE 3 or 4. The PORVs are stroke tested during MODES 3 or 4 with the associated block valves closed in order to limit the uncertainty introduced by testing the PORVs at lesser system temperatures than expected during actual operating conditions. Operating a PORV through one complete cycle ensures that the PORV can be manually actuated for mitigation of an SGTR. The Frequency of 18 months is based on a typical refueling cycle and industry accepted practice. The Note modifies this SR to allow entry into and operation in MODE 3 prior to performing the SR. This allows the test to be performed in MODE 3 under operating temperature conditions, prior to entering MODE 1 or 2.

SR 3.4.11.3

SR 3.4.11.3 requires a complete cycle of each PORV using the backup PORV control system. This surveillance verifies the capability to operate the PORVs using the backup air and nitrogen supply systems. Additionally, this surveillance ensures the correct function of the associated air and nitrogen supply system valves. The 18-month Frequency is based on a typical refueling cycle and industry accepted practice for Surveillances requiring the PORVs to be cycled.

SR 3.4.11.4

SR 3.4.11.4 applies only to Unit 2 for the remainder of cycle 16 for PORV block valve Q2B31MOV8000B. It requires that power to the PORV block valve is checked to be available at least every 24 hours. This surveillance provides additional assurance that the PORV block valve could be stroked if demanded while SR 3.4.11.1 is suspended.

REFERENCES

1. Regulatory Guide 1.32, February 1977.
2. FSAR Sections 5.5 and 15.2.
3. ASME, Boiler and Pressure Vessel Code, Section XI.