

3.7 PLANT SYSTEMS

3.7.3 Main Feedwater Isolation Valves (MFIVs) and Main Feedwater Regulating Valves (MFRVs) and Main Feedwater Regulating Valve Bypass Valves (MFRVBVs)

LCO 3.7.3 Four MFIVs, four MFRVs, and four MFRVBVs shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3 except when:

- a. MFIV is closed and de-activated; or
- b. MFRV is closed and de-activated or closed and isolated by a closed manual valve; or
- c. MFRVBV is closed and de-activated, or closed and isolated by a closed manual valve, or isolated by two closed manual valves.

ACTIONS

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

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more MFIVs inoperable.	A.1 Close MFIV.	72 hours
	<u>AND</u>	
	A.2 Verify MFIV is closed.	Once per 7 days
B. One or more MFRVs inoperable.	B.1 Close or isolate MFRV.	72 hours
	<u>AND</u>	
	B.2 Verify MFRV is closed or isolated.	Once per 7 days
C. One or more MFRVBVs inoperable.	C.1 Close or isolate bypass valve.	72 hours
	<u>AND</u>	
	C.2 Verify bypass valve is closed or isolated.	Once per 7 days

(continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. Two valves in the same flow path inoperable	D.1 Isolate affected flow path.	8 hours
E. Required Action and associated Completion Time not met.	E.1 Be in MODE 3.	6 hours
	<u>AND</u> E.2 Be in MODE 4.	12 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
<p>SR 3.7.3.1</p> <p>-----NOTE----- Only required to be performed in MODES 1 and 2.</p> <p>-----</p> <p>Verify the closure time of each MFIV, MFRV and MFRVBV is ≤ 15 seconds.</p>	In accordance with the Inservice Testing Program
<p>SR 3.7.3.2</p> <p>-----NOTE----- Only required to be performed in MODES 1 and 2.</p> <p>-----</p> <p>Verify each MFIV, MFRV and MFRVBV actuates to the isolation position on an actual or simulated actuation signal.</p>	18 months