3.7 PLANT SYSTEMS

3.7.1 Main Steam Safety Valves (MSSVs)

LCO 3.7.1 The MSSVs shall be OPERABLE as specified in Table 3.7.1-1 and Table 3.7.1-2.

APPLICABILITY: MODES 1, 2, and 3

ACTIONS

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

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One to four required MSSVs per steam generator inoperable in MODES 1 or 2.	A.1 Reduce power to less than or equal to the applicable % RTP listed in Table 3.7.1-1. AND A.2 Reduce the variable overpower trip – high setpoint in accordance with Table 3.7.1-1.	4 hours 36 hours
B. Required Actions and associated Completion Times of Condition A not met. OR Five to eight required MSSVs per steam generator inoperable in MODES 1 or 2.	B.1 Be in MODE 3.	6 hours

(Continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. Required Action and associated Completion Time of Condition B not met.	C.1 Be in MODE 4.	6 hours
D. More than eight required MSSVs per steam generator inoperable.	D.1 Be in MODE 3. AND	6 hours
	D.2 Be in MODE 4.	12 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7.1.1	----------NOTE---------- Not required to be performed prior to entry into MODE 3. ----------	
	Verify each required MSSV lift setpoint per Table 3.7.1-2 in accordance with the Inservice Testing Program. Following testing, lift settings shall be within ± 1%.	In accordance with the Inservice Testing Program

Table 3.7.1-1 (page 1 of 1)
Variable Overpower Trip Setpoint versus
OPERABLE Main Steam Safety Valves

MINIMUM NUMBER OF MSSVs PER STEAM GENERATOR REQUIRED OPERABLE	NUMBER OF INOPERABLE MSSVs PER STEAM GENERATOR	MAXIMUM POWER (% RTP) or HIGHEST MODE		MAXIMUM ALLOWABLE VARIABLE OVERPOWER TRIP SETPOINT[a] (% RTP)	
		Units 1 and 3	Unit 2	Units 1 and 3	Unit 2
10	0	100.0	100.0	111.0	111.0
9	1	98.2	90.0	108.0	99.7
8	2	87.3	80.0	97.1	89.7
7	3	76.4	68.0	86.2	77.7
6	4	65.5	56.0	75.3	65.7
5	5	MODE 3	MODE 3	NA	NA
4	6	MODE 3	MODE 3	NA	NA
3	7	MODE 3	MODE 3	NA	NA
2	8	MODE 3	MODE 3	NA	NA

(a) The VOPT setpoint is not required to be reset in MODE 3.

Table 3.7.1-2 (page 1 of 1)
Main Steam Safety Valve Lift Settings

VALVE NUMBER		LIFT SETTING (psig ± 3%)
Steam Generator #1	Steam Generator #2	
SGE PSV 572	SGE PSV 554	1250
SGE PSV 579	SGE PSV 561	1250
SGE PSV 573	SGE PSV 555	1290
SGE PSV 578	SGE PSV 560	1290
SGE PSV 574	SGE PSV 556	1315
SGE PSV 575	SGE PSV 557	1315
SGE PSV 576	SGE PSV 558	1315
SGE PSV 577	SGE PSV 559	1315
SGE PSV 691	SGE PSV 694	1315
SGE PSV 692	SGE PSV 695	1315