

### 3.3 INSTRUMENTATION

#### 3.3.3 Post Accident Monitoring (PAM) Instrumentation

LCO 3.3.3 The PAM instrumentation for each Function in Table 3.3.3-1 shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

#### ACTIONS

- NOTE -

Separate Condition entry is allowed for each Function.

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A.</p> <p>- NOTE - Not applicable to Functions 3 and 4.</p> <p>One or more Functions with one required channel inoperable.</p>	<p>A.1 Restore required channel to OPERABLE status.</p>	<p>30 days</p>
<p>B. Required Action and associated Completion Time of Condition A not met.</p>	<p>B.1 Initiate action to prepare and submit a special report.</p>	<p>Immediately</p>
<p>C.</p> <p>- NOTE - Only applicable to Functions 3 and 4.</p> <p>One or more Functions with required channel inoperable.</p>	<p>C.1 Restore required channel to OPERABLE status.</p>	<p>7 days</p>

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. One or more Functions with two required channels inoperable.	D.1 Restore one channel to OPERABLE status.	7 days
E. Required Action and associated Completion Time of Condition C or D not met.	E.1 Enter the Condition referenced in Table 3.3.3-1 for the channel.	Immediately
F. As required by Required Action E.1 and referenced in Table 3.3.3-1.	F.1 Be in MODE 3. <u>AND</u>	6 hours
	F.2 Be in MODE 4.	12 hours
G. As required by Required Action E.1 and referenced in Table 3.3.3-1.	G.1 Initiate action to prepare and submit a special report.	Immediately

#### SURVEILLANCE REQUIREMENTS

- NOTE -

SR 3.3.3.1 and SR 3.3.3.2 apply to each PAM Instrumentation Function in Table 3.3.3-1.

SURVEILLANCE	FREQUENCY
SR 3.3.3.1 Perform CHANNEL CHECK for each required instrumentation channel that is normally energized.	31 days
SR 3.3.3.2 Perform CHANNEL CALIBRATION.	24 months

Table 3.3.3-1  
Post Accident Monitoring Instrumentation

	FUNCTION	REQUIRED CHANNELS	CONDITION
	1. Pressurizer Pressure	2	F
	2. Pressurizer Level	2	F
	3. Reactor Coolant System (RCS) Hot Leg Temperature	1 per loop	F
	4. RCS Cold Leg Temperature	1 per loop	F
	5. RCS Pressure (Wide Range)	2	F
	6. RCS Subcooling Monitor	2	F
	7. Reactor Vessel Water Level	2	G
	8. Containment Sump B Water Level	2	F
	9. Containment Pressure (Wide Range)	2	F
	10. Containment Area Radiation (High Range)	2	G
	11. Condensate Storage Tank Level	2	F
	12. Refueling Water Storage Tank Level	2	F
	13. Residual Heat Removal Flow	2	F
	14. Core Exit Temperature-Quadrant 1	2(a)	F
	15. Core Exit Temperature-Quadrant 2	2(a)	F
	16. Core Exit Temperature-Quadrant 3	2(a)	F
	17. Core Exit Temperature-Quadrant 4	2(a)	F
	18. Auxiliary Feedwater (AFW) Flow to Steam Generator (SG) A	2	F
	19. AFW Flow to SG B	2	F
	20. SG A Water Level (Narrow Range)	2	F
	21. SG B Water Level (Narrow Range)	2	F
	22. SG A Water Level (Wide Range)	2	F

Table 3.3.3-1  
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FUNCTION	REQUIRED CHANNELS	CONDITION
23. SG B Water Level (Wide Range)	2	F
24. SG A Pressure	2	F
25. SG B Pressure	2	F

(a) A channel consists of two core exit thermocouples (CETs).