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.	31 days
SR 3.3.3.2	NOTE Neutron detectors are excluded from CHANNEL CALIBRATION.	
	Perform CHANNEL CALIBRATION.	18 months

Table 3.3.3-1 (page 1 of 1)
Post Accident Monitoring Instrumentation

FUNCTION	REQUIRED CHANNELS	CONDITIONS
1. Reactor Coolant System (RCS) Pressure (wide range)	2	B,G,H,J
2. RCS T_{hot} (wide range)	1/loop	C,G,H,J
3. RCS T_{cold} (wide range)	1/loop	D,G,H,J
4. Steam Generator (SG) Water Level (wide range)	1/SG	E,G,H,J
5. SG Water Level (narrow range)	2/SG	B,G,H,J
6. Pressurizer Level	2	B,G,H,J
7. Containment Pressure	2	B,G,H,J
8. Steam line Pressure	2/steam line	B,G,H,J
9. Refueling Water Storage Tank (RWST) Level	2	B,G,H,J
10. Containment Normal Sumps Level (narrow range)	2	B,G,H,J
11. Containment Water Level (wide range)	2	B,G,H,J
12. Condensate Storage Tank Level	2/tank[a]	B,G,H,J
13. Auxiliary Feedwater Flow	2/SG	B,G,H,J
14. Containment Radiation Level (high range)	2	B,G,H,K
15. Steam line Radiation Monitor	1/steam line	F,G,H,J
16. RCS Subcooling	2	B,G,H,J
17. Neutron Flux (extended range)	2	B,G,H,J
18. Reactor Vessel Water Level (RVLIS)	2	B,G,H,K
19. Hydrogen Monitors	2	B,G,I,J
20. Containment Pressure (extended range)	2	B,G,H,J
21. Containment Isolation Valve Position	2/penetration flow path[b][c]	B,G,H,J
22. Core Exit Temperature - Quadrant 1	2[d]	B,G,H,J
23. Core Exit Temperature - Quadrant 2	2[d]	B,G,H,J
24. Core Exit Temperature - Quadrant 3	2[d]	B,G,H,J
25. Core Exit Temperature - Quadrant 4	2[d]	B,G,H,J

(a) Only required for the OPERABLE tank.

(b) Not required for isolation valves whose associated penetration is isolated by at least one closed and deactivated automatic valve, closed manual valve, blind flange, or check valve with flow through the valve secured.

Applicable for containment isolation valve position indication designated as post-accident monitoring instrumentation (containment isolation valves which receive containment isolation phase A or containment ventilation isolation signals).

(c) Only one position indication channel is required for penetration flow paths with only one installed control room indication channel.

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