

TABLE 3.3-5 (Continued)

ACCIDENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLI- CABLE MODES</u>	<u>ACTIONS</u>
14. In Core Thermocouples (Core Exit Thermocouples)	4/core quadrant	2/core quadrant	1, 2, 3	31, 32
15. Containment High Range Area Radiation	2	1	1, 2, 3	34
16. Reactor Vessel Level Monitoring System	2(1)	1(1)	1, 2, 3	37, 38
17. Neutron Flux, Backup NIS (Wide Range)	2	1	1, 2, 3	31, 32
18. DELETED				
19. High Range-Noble Gas Effluent Monitors				
a. Plant Vent Exhaust	1	1	ALL	34
b. Unit 3-Spent Fuel Pit Exhaust	1	1	ALL	34
c. Condenser Air Ejectors	1	1	1, 2, 3	34
d. Main Steam Lines	1	1	1, 2, 3	34
20. RWST Water Level	2	1	1, 2, 3	31, 32
21. Steam Generator Water Level (Narrow Range)	2/stm. Gen.	1/stm. Gen.	1, 2, 3	31, 32
22. Containment Isolation Valve Position Indication*	1/valve	1/valve	1, 2, 3	39

TABLE NOTATIONS

1. A channel is eight sensors in a probe. A channel is OPERABLE if a minimum of four sensors are OPERABLE.
2. Inputs to this instrument are from instrument items 3, 4, 5, and 14 of this Table.

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

TABLE 3.3-5 (Continued)

ACTION STATEMENTS

- ACTION 31 With the number of OPERABLE accident monitoring instrumentation channel(s) less than the Total Number of Channels either restore the inoperable channel(s) to OPERABLE status within 7 days, or be in at least HOT STANDBY within the next 6 hours and in at least HOT SHUTDOWN within the following 6 hours.
- ACTION 32 With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channels OPERABLE, either restore the inoperable channel(s) to OPERABLE status within 48 hours, or be in at least HOT STANDBY within the next 6 hours and in at least HOT SHUTDOWN within the following 6 hours.
- ACTION 33 Close the associated block valve and open its circuit breaker.
- ACTION 34 With the number of OPERABLE Channels less than required by the Minimum Channels OPERABLE requirements, initiate the preplanned alternate method of monitoring the appropriate parameter(s) within 72 hours, and:
- 1) Either restore the inoperable channel(s) to OPERABLE status within 7 days of the event, or
 - 2) Prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days following the event outlining the action taken, the cause of the inoperability, and the plans and schedule for restoring the system to OPERABLE status
- ACTION 35 DELETED
- ACTION 36 With the number of OPERABLE accident monitoring instrumentation channels less than the Minimum Channel OPERABLE, either restore the inoperable channel to OPERABLE status within 30 days, or be in at least HOT STANDBY within the next 6 hours and in at least HOT SHUTDOWN within the following 6 hours.
- ACTION 37 With the number of OPERABLE channels one less than the Total Number of Channels, restore the system to OPERABLE status within 7 days. If repairs are not feasible without shutting down, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 30 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

TABLE 4.3-4

ACCIDENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Containment Pressure (Wide Range)	M	R
2. Containment Pressure (Narrow Range)	M	R
3. Reactor Coolant Outlet Temperature - T _{HOT} (Wide Range)	M	R
4. Reactor Coolant Inlet Temperature - T _{COLD} (Wide Range)	M	R
5. Reactor Coolant Pressure - Wide Range	M	R
6. Pressurizer Water Level	M	R
7. Auxiliary Feedwater Flow Rate	M	R
8. Reactor Coolant System Subcooling Margin Monitor	M	R
9. PORV Position Indicator (Primary Detector)	M	R
10. PORV Block Valve Position Indicator	M	R
11. Safety Valve Position Indicator (Primary Detector)	M	R
12. Containment Water Level (Narrow Range)	M	R
13. Containment Water Level (Wide Range)	M	R
14. In Core Thermocouples (Core Exit Thermocouples)	M	R
15. Containment - High Range Area Radiation Monitor	M	R*
16. Reactor Vessel Level Monitoring System	M	R
17. Neutron Flux, Backup NIS (Wide Range)	M	R
18. DELETED		
19. High Range - Noble gas Effluent Monitors		
a. Plant Vent Exhaust	M	R
b. Unit 3 - Spent Fuel Pit Exhaust	M	R
c. Condenser Air Ejectors	M	R
d. Main Steam Lines	M	R
20. RWST Water Level	M	R
21. Steam Generator Water Level (Narrow Range)	M	R
22. Containment Isolation Valve Position Indication	M	R

*Acceptable criteria for calibration are provided in Table II.F.1-3 of NUREG-0737.

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