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LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

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BASES

SECTION PAGE

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

	INSTRUMENT	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ALARM/TRIP SETPOINT	MEASUREMENT RANGE	ACTION
1.	AREA MONITORS					
	a. Deleted					
	b. Containment - Purge & Exhaust Isolation	1/train	1, 2, 3, 4 & **	40 mR/h or ≤ 2x background whichever is Higher	20 - $5x10^5$ mR/h	25
2.	PROCESS MONITORS					
	a. Containment Atmosphere					
	1) Gaseous Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	10^{-6} - 10^{-1} µCi/cc	23
	2) Particulate Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	10^{-11} - 10^{-6} µCi/cc	23
	b. Control Room Intake Monitors	1/intake	ALL MODES & ***	≤ $5.45x10^{-6}$ µCi/cc	10^{-8} - 10^{-2} µCi/cc	26
	c. Steam Generator Blowdown Monitor	1	1, 2, 3, & 4	≤ 10^{-3} µCi/cc	10^{-6} - 10^{-1} µCi/cc	28
	d. Component Cooling Water Monitors A&B	1/line	ALL MODES	≤ 10^{-4} µCi/cc	10^{-7} - 10^{-2} µCi/cc	28
	e. Component Cooling Water Monitor A/B	1	1, 2, 3, & 4	≤ 10^{-4} µCi/cc	10^{-7} - 10^{-2} µCi/cc	28

*Deleted
**During CORE ALTERATIONS or movement of irradiated fuel within the containment.
***During movement of irradiated fuel.

TABLE 3.3-6 (Continued)

ACTION STATEMENTS

ACTION 23 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, comply with the ACTION requirements of Specification 3.4.5.1.

ACTION 24 - DELETED

ACTION 25 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, comply with the ACTION requirements of Specification 3.9.9.

ACTION 26 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, within 1 hour initiate and maintain operation of the control room emergency ventilation system in the recirculation mode of operation.

ACTION 27 - With the number of OPERABLE channels less than required by the Minimum Channels OPERABLE requirement, either restore the inoperable Channel(s) to OPERABLE status within 72 hours, or:

1. Initiate the preplanned alternate method of monitoring the appropriate parameter(s), and

2. If the monitor is not restored to OPERABLE status within 7 days after the failure, 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 28 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirements, operation of the plant may continue for up to 30 days provided grab samples are taken once per 8 hours and these samples are analyzed for gross activity within 24 hours.

If the monitor is not restored to OPERABLE status within 30 days after the failure, continue sampling and prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.

TABLE 4.3-3

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

INSTRUMENT	CHANNEL CHECK	CHANNEL CALIBRATION	CHANNEL FUNCTIONAL TEST	MODES FOR WHICH SURVEILLANCE IS REQUIRED
1. AREA MONITORS				
a. Deleted				
b. Containment - Purge & Exhaust Isolation	S	R	Q	1, 2, 3, 4 & **
2. PROCESS MONITORS				
a. Containment Atmosphere				
1) Gaseous Activity - RCS Leakage Detection	S	R	Q	1, 2, 3, & 4
2) Particulate Activity - RCS Leakage Detection	S	R	Q	1, 2, 3, & 4
b. Control Room Intake Monitors	S	R	Q	ALL MODES & ***
c. Steam Generator Blowdown	S	R	Q	1, 2, 3, & 4
d. Component Cooling Water Monitors A&B	S	R	Q	ALL MODES
e. Component Cooling Water Monitor A/B	S	R	Q	1, 2, 3, & 4

*Deleted
**During CORE ALTERATIONS or movement of irradiated fuel within the containment.
***During movement of irradiated fuel.

Pages 3/4 9-14 through 3/4 9-16 are deleted.