

Attachment A

NPF-38-127

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TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

INSTRUMENT	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ALARM/TRIP SETPOINT	MEASUREMENT RANGE	ACTION
1. AREA MONITORS					
a. Fuel Storage Pool Area Fuel Handling Building Ventilation System Isolation	2	*	≤ 100 mR/h	$10^{-1} - 10^4$ mR/h	24
b. Containment - Purge & Exhaust Isolation	1/train	1, 2, 3, 4 & **	40 mR/h or $< 2 \times$ background whichever is higher	$20 - 5 \times 10^5$ mR/h	25
2. PROCESS MONITORS					
a. Containment Atmosphere					
1) Gaseous Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	$10^{-6} - 10^{-1}$ μ Ci/cc	23
2) Particulate Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	$10^{-11} - 10^{-6}$ μ Ci/cc	23
b. Control Room Intake Monitors	1/intake	All MODES	$\leq 2 \times$ background	$10^{-8} - 10^{-2}$ μ Ci/cc	26
c. Steam Generator Blowdown Monitor	1	1, 2, 3, & 4	$\leq 10^{-3}$ μ Ci/cc	$10^{-6} - 10^{-1}$ μ Ci/cc	28
d. Component Cooling Water System	1/line	All MODES	$\leq 10^{-4}$ μ Ci/cc	$10^{-7} - 10^{-2}$ μ Ci/cc	28
e. Component Cooling Water System	1	All MODES	$\leq 10^{-4}$ μ Ci/cc	$10^{-7} - 10^{-2}$ μ Ci/cc	28

*With irradiated fuel in the storage pool.

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

TABLE 4.3-3

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>		<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>	<u>MODES FOR WHICH SURVEILLANCE IS REQUIRED</u>
1.	AREA MONITORS				
a.	Fuel Storage Pool Area Fuel Handling Building Ventilation System Isolation	S	R	M	*
b.	Containment - Purge & Exhaust Isolation	S	R	M	1, 2, 3, 4 & **
2.	PROCESS MONITORS				
a.	Containment Atmosphere				
1)	Gaseous Activity - RCS Leakage Detection	S	R	M	1, 2, 3, & 4
2)	Particulate Activity - RCS Leakage Detection	S	R	M	1, 2, 3, & 4
b.	Control Room Intake Monitors	S	R	M	ALL MODES
c.	Steam Generator Blowdown Monitor	S	R	M	1, 2, 3, & 4
d.	Component Cooling Water System	S	R	M	ALL MODES
e.	Component Cooling Water System	S	R	M	ALL MODES

*With irradiated fuel in the storage pool.

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

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 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, comply with the ACTION requirements of Specification 3.9.12.
- 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.

Attachment B

NPF-38-127

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

INSTRUMENT	MINIMUM CHANNELS OPERABLE	APPLICABLE MODES	ALARM/TRIP SETPOINT	MEASUREMENT RANGE	ACTION
1. AREA MONITORS					
a. Fuel Storage Pool Area Fuel Handling Building Ventilation System Isolation	2	*	≤ 100 mR/h	$10^{-1} - 10^4$ mR/h	24
b. Containment - Purge & Exhaust Isolation	1/train	1, 2, 3, 4 & **	40 mR/h or $\leq 2 \times$ background whichever is higher	$20 - 5 \times 10^5$ mR/h	25
2. PROCESS MONITORS					
a. Containment Atmosphere					
1) Gaseous Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	$10^{-6} - 10^{-1}$ μ Ci/cc	23
2) Particulate Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	$10^{-11} - 10^{-6}$ μ Ci/cc	23
b. Control Room Intake Monitors	1/intake	All MODES	$\leq 2 \times$ background	$10^{-8} - 10^{-2}$ μ Ci/cc	26
c. Steam Generator Blowdown Monitor	1	1, 2, 3, & 4	$\leq 10^{-3}$ μ Ci/cc	$6 - 10^{-1}$ μ Ci/cc	28
d. Component Cooling Water System MONITORS A & B	1/line	All MODES	$\leq 10^{-4}$ μ Ci/cc	$10^{-7} - 10^{-2}$ μ Ci/cc	28
e. Component Cooling Water System MONITOR A/B	1	1 2 3 & 4 All MODES	$\leq 10^{-4}$ μ Ci/cc	$10^{-7} - 10^{-2}$ μ Ci/cc	28

*With irradiated fuel in the storage pool

REMOVE

REMOVE

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. Fuel Storage Pool Area Fuel Handling Building Ventilation System Isolation	S	R	M	*
b. Containment - Purge & Exhaust Isolation	S	R	M	1, 2, 3, 4 & **
2. PROCESS MONITORS				
a. Containment Atmosphere 1) Gaseous Activity - RCS Leakage Detection	S	R	M	1, 2, 3, & 4
2) Particulate Activity - RCS Leakage Detection	S	R	M	1, 2, 3, & 4
b. Control Room Intake Monitors	S	R	M	ALL MODES
c. Steam Generator Blowdown Monitor	S	R	M	1, 2, 3, & 4
d. Component Cooling Water System MONITORS A & B	S	R	M	ALL MODES
e. Component Cooling Water System MONITOR A/B	S	R	M	1, 2, 3, & 4 ALL MODES

REMOVE

*With irradiated fuel in the storage pool.

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

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 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, comply with the ACTION requirements of Specification 3.9.12.
- 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 a 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.

ADD

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.