

TABLE 3.3-6

## RADIATION MONITORING INSTRUMENTATION

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

\*With irradiated fuel in the storage pool.

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

WATERFORD - UNIT 3

9406270069 940622  
PDR ADOCK 05000382  
PDR

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Amendment No. 55, 91

NPF-38-154

ATTACHMENT B

TABLE 3.3-6

## RADIATION MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ALARM/TRIP SETPOINT</u>	<u>MEASUREMENT RANGE</u>	<u>ACTION</u>
1. AREA MONITORS					
a. Fuel Storage Pool Area Fuel Handling Building Ventilation System Isolation	2	*	≤ 100 mR/h	10 <sup>-1</sup> - 10 <sup>4</sup> mR/h	24
b. Containment - Purge & Exhaust Isolation	1/train	1, 2, 3, 4 & **	40 mR/h or ≤ 2x background whichever is Higher	20 - 5x10 <sup>5</sup> mR/h	25
2. PROCESS MONITORS					
a. Containment Atmosphere					
1) Gaseous Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	10 <sup>-6</sup> - 10 <sup>-1</sup> μCi/cc	23
2) Particulate Activity RCS Leakage Detection	1	1, 2, 3, & 4	Not Applicable	10 <sup>-11</sup> - 10 <sup>-6</sup> μCi/cc	23
b. Control Room Intake Monitors	1/intake	ALL MODES	≤ 4.09x10 <sup>-5</sup> μCi/cc	10 <sup>-8</sup> - 10 <sup>-2</sup> μCi/cc	26
c. Steam Generator Blowdown Monitor	1	1, 2, 3, & 4	≤ 10 <sup>-3</sup> μCi/cc	10 <sup>-6</sup> - 10 <sup>-1</sup> μCi/cc	28
d. Component Cooling Water Monitors A&B	1/line	ALL MODES	≤ 10 <sup>-4</sup> μCi/cc	10 <sup>-7</sup> - 10 <sup>2</sup> μCi/cc	28
e. Component Cooling Water Monitor A/B	1	1, 2, 3, & 4	≤ 10 <sup>-4</sup> μCi/cc	10 <sup>-7</sup> - 10 <sup>-2</sup> μCi/cc	28

\*With irradiated fuel in the storage pool.

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