

TABLE 3.3-12

RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABILITY</u>	<u>ACTION</u>
1. Gross Radioactivity Monitors Providing Automatic Termination of Release			
a. Liquid Radwaste Effluent Line (PRM-9)	1	*	23
b. Steam Generator Blowdown Effluent Line (PRM-10) or Steam Generator Blowdown Ion Exchanger Effluent (PRM-17)	1	*	24
2. Gross Radioactivity Monitors Not Providing Automatic Termination of Release			
a. Component Cooling Water System Train A (PRM-7)	1	At all times	25
b. Component Cooling Water System Train B (PRM-8)	1	At all times	25

* During releases via this pathway.

TABLE 3.3-12 (Continued)

RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABILITY</u>	<u>ACTION</u>
3. Flow Rate Measurement Devices			
a. Liquid Radwaste Effluent Line (FT-4044 or FIY-4098)	1	*	26
b. Discharge Structure (FR-3495)	1	*	26
c. Steam Generator Blowdown Effluent Line (FI-6715 or FI-4921)	1	*	26

* During releases via this pathway.

TABLE 4.3-8

RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>SOURCE CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1. Gross Beta or Gamma Radioactivity Monitors Providing Alarm and Automatic Isolation				
a. Liquid Radwaste Effluents Line (PRM-3)	D*	P	R(1)	Q(1)
b. Steam Generator Blowdown Effluent Line (PRM-10)	D*	M	R(1)	Q(1)
c. Steam Generator Blowdown Ion Exchanger Effluent (PRM-17)	D*	M	R(1)	Q(1)
2. Gross Beta or Gamma Radioactivity Monitors Providing Alarm But Not Providing Automatic Isolation				
Component Cooling System (PRM-7, -8)	D	M	R(1)	Q(1)
3. Flow Rate Monitors				
a. Liquid Radwaste Effluent Line (FI-4044/FIY-4098)	D*	N/A	R**	N/A
b. Discharge Structure (FR-3495)	D*	N/A	R**	N/A
c. Steam Generator Blowdown Line (FI-6715 or FI-4921)	D*	N/A	R**	N/A

* During releases via this pathway.

** Applies only to flow indication loop.

(1) The Channel Functional Test shall, where applicable, include verification that automatic isolation of the effected pathway and/or control room annunciator occurs if:

1) Instrument indicates above alarm trip setpoint.

2) Instrument indicates a downscale failure.

3) Controls not in OPERATE mode, or instrument de-energized.

