ANO-2

TECHNICAL SPECIFICATION CHANGE REQUEST

TABLE 3.3-12(Continued)

RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

INSTRUMENT	MINIMUM CHANNELS OPERABLE	APPLICABILITY	PARAMETER	ACTION
5. Auxiliary Building Extension Ventilation System				
a. Noble Gas Activity Monitor	1	*	Radioactivity	27
b. Iodine Sample Cartridge	1	*	Verify Presence of Cartridge	28
c. Particulate Sampler Filter	1	*	Verify Presence of Filter	28
d. Effluent System Flow Monitor	1	*	System Flow	26
e. Sampler Flow Monitor	1	*	Sampler Flow	26
6. Radwaste Storage Building HVAC Exhaust System				
a. Noble Gas Activity Monitor	1	*	Radioactivity	30
b. Iodine Sample Cartridge	1	*	Verify Presence of Cartridge	31
c. Particulate Sampler Filter	1	*	Verify Presence of Filter	31
d. Effluent System Flow Monitor	1	*	System Flow	32
e. Sampler Flow Monitor	1	*	Sampler Flow	32

TABLE 3.3-12 (Continued)

TABLE NOTATION

*During releases via this pathway.

ACTION 30 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue provided grab samples are taken at least once per 12 hours and these samples are analyzed for gross activity within 24 hours. Otherwise, suspend all compaction activities within the Radwaste Storage Building.

ACTION 31 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue provided samples are collected with auxiliary sampling equipment. Iodine sample cartridges and particulate sample filters shall be changed at least once per 7 days and analyses shall be completed within 48 hours after changing in accordance with Table 4.11-2. Otherwise, suspend all compaction activities within the Radwaste Storage Building.

ACTION 32 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue provided the flow rate is estimated at least once per 4 hours. Otherwise, suspend all compaction activities within the Radwaste Storage Building.

TABLE 4.3-12

RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

INSTRUMENT	CHANNEL CHECK	SOURCE CHECK	CHANNEL CALIBRATION	CHANNEL FUNCTIONAL TEST
5. Auxiliary Building Extension Ventilation System				
a. Gas Activity Monitor	D*	M**	R	Q
b. Iodine Sampler Cartridge	W*(2)	N/A	N/A	N/A
c. Particulate Sampler Filter	W*(2)	N/A	N/A	N/A
d. System Effluent Flow Monitor	D*	N/A	R	N/A
e. Sampler Flow Monitor	D*	N/A	R	N/A
6. Radwaste Storage Building HVAC Exhaust System				
a. Gas Activity Monitor	D*	M**	R	Q
b. Iodine Sampler Cartridge	W*(2)	N/A	N/A	N/A
c. Particulate Sampler Filter	W*(2)	N/A	N/A	N/A
d. System Effluent Flow Monitor	D*	N/A	R	N/A
e. Sampler Flow Monitor	D*	N/A	R	N/A

TABLE 4.11-2

RADIOACTIVE GASEOUS WASTE SAMPLING AND ANALYSES PROGRAM

Gaseous Release Type	Sampling Frequency	Minimum Analyses Frequency	Type of Activity Analyses	Lower Limit of Detection (LLD) (uCi/ml)[a]
A. Waste Gas Storage Tank	P Each Tank Grab Sample	P Each Tank	Principal Gamma Emitters[b]	1×10^{-4} [g]
B. Reactor Bldg. Purge	P Each Purge Grab Sample	P Each Purge	Principal Gamma Emitters[b] H-3	1×10^{-4} [g] 1×10^{-6}
C. Unit Vents (Auxiliary Bldg.Ext.) (Spent Fuel Pool Area Ventilation) (Rx Bldg.Ventilation) (Radwaste Area Ventilation) (Low-Level Radwaste Storage Building) (HVAC Exhaust Ventilation)	M (c) (d) Grab Sample	M	Principal Gamma Emitters[b] H-3	1×10^{-4} [g] 1×10^{-6}
	Continuous[e]	W (f) Charcoal Sample	I-131	1×10^{-12}
	Continuous[e]	W (f) Particulate Sample	Principal Gamma Emitters[b] (I-131, Others)	1×10^{-11}
	Continuous[e]	M Particulate Sample	Gross alpha	1×10^{-11}
	Continuous[e]	Q Composite Particulate Sample	Sr-89, Sr-90	1×10^{-11}
	Continuous[e]	Noble Gas Monitor	Noble Gases Gross Beta or Gamma	1×10^{-6} (Xe-133 equiv.)