

TABLE 4.11-2

RADIOACTIVE GASEOUS WASTE SAMPLING AND ANALYSIS PROGRAM

GASEOUS RELEASE TYPE	SAMPLING FREQUENCY	MINIMUM ANALYSIS FREQUENCY	TYPE OF ACTIVITY ANALYSIS	LOWER LIMIT OF DETECTION (LLD) ($\mu\text{Ci}/\text{m}^3$) ⁽¹⁾
1. Waste Gas Decay Tank	P Each Tank Grab Sample	P Each Tank	Principal Gamma Emitters ⁽⁷⁾ (noble gases)	1×10^{-4}
2. Containment Purge	P Each Purge ⁽²⁾ Grab Sample	P Each Purge ⁽²⁾	Principal Gamma Emitters ⁽⁷⁾ (noble gases)	1×10^{-4}
			I-131, I-133	1×10^{-9}
			Principal Gamma Emitters (particulates)	1×10^{-9}
			H-3	1×10^{-6}
3. Plant Vent	M ⁽²⁾ Grab Sample	M ⁽²⁾	Principal Gamma Emitters ⁽⁷⁾ (noble gases)	1×10^{-4}
	W ⁽³⁾⁽⁵⁾ Grab Sample	W	H-3	1×10^{-6}
4. All Release Types as listed in 1., 2., 3., above, at the plant vent.	Continuous ⁽⁶⁾	W ⁽⁴⁾ Charcoal Sample	I-131	1×10^{-12}
			I-133	1×10^{-10}
	Continuous ⁽⁶⁾	W ⁽⁴⁾ Particulate Sample	Principal Gamma Emitters ⁽⁷⁾	1×10^{-11}
	Continuous ⁽⁶⁾	M Composite Particulate Sample	Gross Alpha	1×10^{-11}
Continuous ⁽⁶⁾	Q Composite Particulate Sample	Sr-89, Sr-90	1×10^{-11}	
5. Steam Generator Blowdown Tank Vent	M ⁽⁸⁾	M ⁽⁸⁾	Principal Gamma Emitters ⁽⁷⁾ (noble gases)	1×10^{-4}



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