

Emission Unit ID: 422

**300 P-340DECON-001**

**340 Decon**

This is a MINOR, ACTIVELY ventilated emission unit.

340 BUILDING

**Emission Unit Information**

Stack Height: 27.00 ft.      8.23 m.                      Stack Diameter 2.50 ft.                      0.76 m.

Average Stack Effluent Temperature: 68 degrees Fahrenheit.      20 degrees Celsius.

Average Stack Exhaust Velocity: ft/second.      m/second.

**Abatement Technology**      ALARACT                      WAC 246-247-040(4)

state only enforceable: WAC 246-247-010(4), 040(5), 060(5)

Zone or Area	Abatement Technology	Required # of Units	Additional Description
	Prefilter	1	3 in parallel, Change Room doesn't pass through prefilter
	HEPA	2	In series, both HEPA filters are tested as a single unit
	Fan	1	
	Moisture separator	1	Serves the decon sump

**Monitoring Requirements**

state enforceable: WAC 246-247-040(5), 060(5), and federally enforceable: 40 CFR 61 subpart H

Federal and State Regulatory	Monitoring and Testing Requirements	Radionuclides Requiring Measurement	Sampling Frequency
40 CFR 61.93(b)(4)(i) & WAC 246-247-075(3)	Appendix B, Method 114(3)	TOTAL ALPHA TOTAL BETA	4 weeks/year

**Sampling Requirements** Record Sample

**Additional Requirements**

Additional monitoring or sampling requirements established by this License will be listed in the Conditions and Limitations section, if applicable.

**Operational Status** Activities at the 340 Building support surveillance and maintenance deactivation operations at the Hanford Site. This 27 foot tall stack exhausts filtered air from the 340 Building Decontamination Room. Within the 340 Complex is the 340 A Building, which contains six aboveground tanks that had been used to store temporarily liquid mixed waste. Those tanks have been flushed and are currently empty. The 340 B Building was used for the railcar loadout of liquid mixed waste, and was shut down in 1998. The 340 B Building is currently used to store nonradioactive and radioactive solid waste. The 340 Vault houses two tanks, which have been emptied to the maximum extent practical. Operations within the vaults have permanently ceased.