

**Emission Unit ID: 417**

**300 EP-3730-01-S**

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This is a MINOR, ACTIVELY ventilated emission unit.

3730 GAMMA IRRAD FAC

**Emission Unit Information**

Stack Height: 19.30 ft.      5.88 m.                      Stack Diameter 0.66 ft.                      0.20 m.

Average Stack Effluent Temperature: 83 degrees Fahrenheit.    28 degrees Celsius.

Average Stack Exhaust Velocity: 12.20 ft/second.    3.72 m/second.

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

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

<b>Zone or Area</b>	<b>Abatement Technology</b>	<b>Required # of Units</b>	<b>Additional Description</b>
	HEPA	2	In series
	Fan	1	

**Monitoring Requirements**

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

<b>Federal and State Regulatory</b>	<b>Monitoring and Testing Requirements</b>	<b>Radionuclides Requiring Measurement</b>	<b>Sampling Frequency</b>
40 CFR 61.93(b)(4)(i) & WAC 246-247-075(3)	Appendix B, Method 114(3)	TOTAL ALPHA TOTAL BETA	2 week sample/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 3730 Building support operations. This 19.3 foot tall stack exhausts filtered building ventilation air. Particulate emissions are sampled. The building contains a hot cell for metallurgical studies of specimens of irradiated metals.