



LB# 4489

AIR 15-903
EU 910

STATE OF WASHINGTON
DEPARTMENT OF HEALTH

OFFICE OF RADIATION PROTECTION
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TDD Relay Service: 1-800-833-6388

September 3, 2015

Mr. Kevin W. Smith, Manager
United States Department of Energy
Office of River Protection
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Re: Approval of Radioactive Air Emissions License (RAEL), Emission Unit (EU) Specific
Pertaining to Closure of Notice of Construction (NOC) 850, to be Incorporated in the
Next Revision of the Hanford Site FF-01

Mr. Smith:

Pursuant to Chapter 246-247 of the Washington Administrative Code (WAC), your EU specific
license revision will be approved as of September 7, 2015.

241-ER-311 (EU 910)

The conditions, controls, monitoring requirements, and limitations of this license must be
observed in order for you to be in compliance with WAC 246-247. Failure to meet any provision
of this license may result in the revocation of approval, the issuance of Notices of Violation, or
other enforcement actions under WAC 246-247-100.

If you have any questions regarding these draft approvals, please contact Mr. Ernest McCormick
at ernest.mccormick@doh.wa.gov or by phone at (509) 946-0624.

Sincerely,

John Martell, Manager
Radioactive Air Emissions Section

Enclosure: EU 910, 241-ER-311

cc: (see next page)



Mr. Kevin W. Smith
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Environmental Portal
RAES Tracking: RAES 15-52; EU 910

Emission Unit ID: 910

200 E P-241ER311-001

241-ER-311

This is a MINOR, PASSIVELY ventilated emission unit.

Tank Farms

Emission Unit Information

Stack Height: 5.00 ft. 1.52 m. Stack Diameter 1.13 ft. 0.34 m.

Average Stack Effluent Temperature: 55 degrees Fahrenheit. 13 degrees Celsius.

Average Stack Exhaust Velocity: 0.25 ft/second. 0.08 m/second.

Abatement Technology BARCT WAC 246-247-040(3), 040(4)

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

Zone or Area	Abatement Technology	Required # of Units	Additional Description
	HEPA	1	Passive Breather Filter

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)	40 CFR 61, Appendix B Method 114	Levels below 10,000 dpm/100cm2 beta/gamma and 200 dpm/100cm2 alpha will verify low emissions.	Every 365 days

Sampling Requirements Smear survey on the inside surface of the ducting and downstream of the HEPA filter or on the outside of the screen covering the outlet of the vent.

Additional Requirements

Radial breather filters shall be replaced every 365 days.

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

Operational Status This emission unit is a passive breather filter that allows the catch tank to vent to the atmosphere under tank farm storage, maintenance, and operations. Any activity other than waste transfer support, maintenance, and normal operations will be regulated and/or permitted under the appropriate regulations and/or permits for the activity being performed and the emission units associated with the activity. The emission unit is a passive breather filter ventilation system that operates continuously.