



THE STATE  
of **ALASKA**  
GOVERNOR BILL WALKER

Department of Environmental  
Conservation

Division of Spill Prevention and Response  
Contaminated Sites Program

610 University Ave.  
Fairbanks, Alaska 99709-3643  
Main: 907.451.5715  
Fax: 907.451.5105

File: 108.38.064

February 26, 2015

Elizabeth Andringa  
Bureau of Land Management  
Alaska Fire Service  
P.O. Box 35005  
Ft. Wainwright, Alaska 99703-0005

Re: Decision Document: BLM/AK Fire Service Fort Wainwright Mess Hall  
Cleanup Complete Determination

Dear Ms. Andringa:

The Alaska Department of Environmental Conservation (ADEC) has reviewed the environmental records for Bureau of Land Management (BLM)/Alaska Fire Service Fort Wainwright Mess Hall site, which was leased by the BLM from the U.S. Army at Fort Wainwright, Alaska. This decision letter memorializes the site history, cleanup actions, and standard conditions for long-term site management. No further remedial action is required.

**Site Name and Location**

BLM/AK Fire Service Fort Wainwright Mess Hall  
Gaffney Road and 102<sup>nd</sup> Street  
Fort Wainwright, Alaska

**DEC Site Identifiers**

File No: 108.38.064  
Hazard ID: 1930

**Regulatory Authority for Determination**

18 AAC 75

**Site Description and Background**

The BLM Alaska Fire Service old mess hall was located at 102<sup>nd</sup> Street and Gaffney Road, Fort Wainwright, Alaska. Three 1,000-gallon non-regulated heating oil underground storage tanks (USTs) were installed in 1978 and decommissioned in 1993.

### Contaminants of Concern and Cleanup Levels

Diesel range organics (DRO) was identified as the contaminant of concern at this site. Cleanup levels were established using the Matrix Score Sheet under the Method 1, Category B cleanup level.

**Table 1 – Approved Cleanup Levels**

Contaminant	Soil (mg/kg)
DRO	200

mg/kg = milligrams per kilogram

### Characterization and Cleanup Activities

In 1993, the BLM Alaska Fire Service removed the three 1,000-gallon heating oil tanks. Six soil samples were collected and analyzed for diesel range petroleum hydrocarbons by EPA Method 8100M. One sample result was reported at 260 mg/kg. All other results were below the cleanup level. No groundwater was encountered during excavation activities.

### Exposure Pathway Evaluation

Following investigation and cleanup at the site, exposure to the remaining contaminants was evaluated using ADEC's Exposure Tracking Model (ETM). Exposure pathways are the conduits by which contamination may reach human or ecological receptors. ETM results show all pathways to be one of the following: De-Minimis Exposure, Exposure Controlled, or Pathway Incomplete. A summary of this pathway evaluation is included in Table 2.

**Table 2 – Exposure Pathway Evaluation**

Pathway	Result	Explanation
Surface Soil Contact	Pathway Incomplete	Contamination was associated with underground storage tanks. No contaminants remain in the surface soil.
Sub-Surface Soil Contact	De-Minimis Exposure	Confirmation sample results from subsurface soil are below inhalation and ingestion cleanup levels.
Inhalation – Outdoor Air	De-Minimis Exposure	Confirmation sample results from subsurface soil are below inhalation and ingestion cleanup levels.
Inhalation – Indoor Air (vapor intrusion)	De-Minimis Exposure	Confirmation sample results from subsurface soil are below inhalation and ingestion cleanup levels.
Groundwater Ingestion	De-Minimis Exposure	Groundwater was not encountered during tank removal activities.
Surface Water Ingestion	Pathway Incomplete	The nearest surface water body is 0.4 miles from this site.
Wild and Farmed Foods Ingestion	Pathway Incomplete	This site is within the developed portion of Fort Wainwright.
Exposure to Ecological Receptors	Pathway Incomplete	This site is within the developed portion of Fort Wainwright.

**Notes to Table 2:** “De-Minimis Exposure” means that in ADEC’s judgment receptors are unlikely to be affected by the minimal volume or concentration of remaining contamination. “Pathway Incomplete” means that in ADEC’s judgment contamination has no potential to contact receptors. “Exposure Controlled” means there is an administrative mechanism in place limiting land or groundwater use, or a physical barrier in place that deters contact with residual contamination.

### **ADEC Decision**

The cleanup actions have served to adequately remove contaminated soil from the site. This site will receive a “Closed” designation on the Contaminated Sites Database, subject to the following standard conditions.

### **Standard Conditions**

1. Any proposal to transport soil or groundwater off-site requires ADEC approval in accordance with 18 AAC 75.325. A “site” [as defined by 18 AAC 75.990 (115)] means an area that is contaminated, including areas contaminated by the migration of hazardous substances from a source area, regardless of property ownership. (See attached site figure.)
2. Movement or use of contaminated material in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.

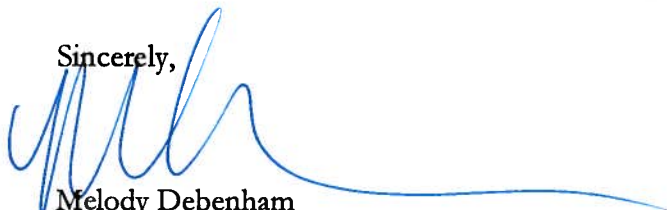
This determination is in accordance with 18 AAC 75.380 and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

### **Appeal**

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 – 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99811-1800, within 15 days after receiving the department’s decision reviewable under this section. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99811-1800, within 30 days after the date of issuance of this letter, or within 30 days after the department issues a final decision under 18 AAC 15.185. If a hearing is not requested within 30 days, the right to appeal is waived.

If you have questions about this closure decision, please feel free to contact me at [melody.debenham@alaska.gov](mailto:melody.debenham@alaska.gov) or (907) 451-5175.

Sincerely,



Melody Debenham  
Environmental Program Specialist

Enclosure: BLM Alaska Fire Service Old Mess Hall Site Sketch

cc: Cliff Seibel, U.S. Army Garrison, Directorate of Public Works

Cliff Seibel  
US Army Garrison, Alaska  
Directorate of Public Works  
Environmental Compliance Division  
1060 Gaffney Road, #4500  
Fort Wainwright, AK 99703-4500



APPLE STREET

MILITARY STORAGE  
YARD. 8' CHAIN LINK  
FENCED AREA

PARKING

PROPANE  
TANK

TANK #3

TANK #1

TANK #2

PARKING

102<sup>ND</sup> STREET

CREDIT  
UNION

GAFFNEY ROAD

BLM AREA