



THE STATE  
of **ALASKA**  
GOVERNOR SEAN PARNELL

**Department of Environmental  
Conservation**

Division of Spill Prevention and Response  
Contaminated Sites Program

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File: 141.26.018

February 8, 2013

Andrea Carlson  
Doyon Utilities  
P.O. Box 74040  
Fairbanks, AK 99707

Re: Decision Document, Doyon Utilities at Fort Greely Building 625, Corrective Action Complete Determination

Dear Ms. Carlson:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Doyon Utilities at Fort Greely Building 625, Fort Greely, Alaska. Based on the information provided to date, the ADEC has determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment, and this site will be closed.

This decision is based on the administrative record for the Doyon Utilities Fort Greely Building 625 site, which is located in the offices of the Alaska Department of Environmental Conservation (ADEC) in Fairbanks, Alaska. This letter summarizes the decision process used to determine the environmental status of this site and provides a summary of the regulatory issues considered in the Corrective Action Complete Determination.

**Site Name and Location**

Doyon Utilities at Ft Greely Building 625  
East 5<sup>th</sup> Street and Arctic Avenue  
Fort Greely, Alaska

**DEC Site Identifiers**

File: 141.26.018  
Hazard ID: 25964

**Regulatory Authority for Determination**

18 AAC 75 and 18 AAC 78

**Underground Storage Tank Assessment and Closure**

Shannon & Wilson, Inc. (S&W) performed site assessment and closure activities associated with the 300-gallon gasoline underground storage tank (UST) at the Building 625 site. On August 6, 2012, Heritage General Contracting (HGC) excavated and removed the UST. The UST was in good condition and no

indications of a release were observed. After removing the UST, HCG backfilled the excavation with the soil removed from the excavation. The UST was cleaned and will be reused as an above ground storage tank.

Ten analytical samples were collected from the limits of the excavation and the excavated soils and analyzed for gasoline range organics (GRO) and benzene, toluene, ethylbenzene, and xylenes (BTEX). One sample was analyzed for lead and polynuclear aromatic hydrocarbons (PAHs). Results were compared to the ADEC Method 2 Table B-1 and B-2 migration to groundwater cleanup levels. GRO and BTEX results were all non-detect; lead and 6 PAH compounds were detected below the cleanup levels, as shown below:

	Results	ADEC Method 2 Cleanup Level
Phenanthrene	0.00567 mg/kg	3,000 mg/kg
Fluoranthene	0.00687 mg/kg	1,400 mg/kg
Chrysene	0.00579 mg/kg	360 mg/kg
Benzo(a)anthracene	0.00307 mg/kg (J)	3.6 mg/kg
Benzo(b)fluoranthene	0.00377 mg/kg (J)	12 mg/kg
Benzo(a)pyrene	0.00240 mg/kg (J)	2.1 mg/kg
Lead	6.81 mg/kg	400 mg/kg

Note: (J) = estimated concentration is above the limit of detection but below the limit of quantitation

### 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. De-minimis exposure means that in ADEC's judgment receptors are unlikely to be affected by the minimal volume 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.

Pathway	Result	Explanation
Surface Soil Contact	De Minimis	PAH and lead results are below the direct contact cleanup levels.
Sub-Surface Soil Contact	De Minimis	PAH and lead results are below the direct contact cleanup levels.
Inhalation – Outdoor Air	Pathway Incomplete	PAH results are below the outdoor inhalation cleanup levels.
Inhalation – Indoor Air (vapor intrusion)	Pathway Incomplete	PAH results are below applicable cleanup levels.
Groundwater Ingestion	Pathway Incomplete	PAH results are below the migration to groundwater cleanup levels. Groundwater at this location is greater than 180 feet deep.
Surface Water Ingestion	Pathway Incomplete	PAH results are below applicable cleanup levels and there are no surface water bodies located within ¼ mile of the site.
Wild Foods Ingestion	Pathway Incomplete	This site is located in a developed area of Fort Greely and
Exposure to Ecological Receptors	Pathway Incomplete	This site is located in a developed area of Fort Greely.

**ADEC Decision**

The cleanup actions to date have served to excavate and adequately remove contaminated soil from the site. Based on the information available, ADEC has determined no further assessment or cleanup action is required. There is no longer a risk to human health or the environment, and this site will be designated as closed on the Department's database. Although a Corrective Action Complete determination has been granted, ADEC approval is required for off-site soil disposal in accordance with 18 AAC 78.600(h). It should be noted that movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is unlawful.

This determination is in accordance with 18 AAC 78.276(f) 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 99801, 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 99801, 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.

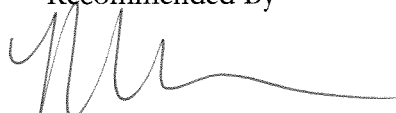
If you have questions about this closure decision, please feel free to contact the ADEC project manager, Melody Debenham, at [melody.debenham@alaska.gov](mailto:melody.debenham@alaska.gov) or (907) 451-5175.

Approved By



Fred Vreeman  
Environmental Manager

Recommended By



Melody Debenham  
Environmental Program Specialist

cc: Glen Shonkwiler, Space Missile Defense Command (e-mail only)  
Dan Miller, Ft. Greely Environmental (e-mail only)