

2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska
Site Summary – Fort Greely Undeveloped Area UST, BRAC 118

Site Identifiers

ADEC File Number: 141.38.085
 ADEC Hazard ID: 3700
 BRAC Site Number: 118



Site Description and Background

This site is located within a cleared, undeveloped area west of Robin Road and north of Big Delta Avenue. A 1961 aerial photo shows several demolished structures in this area. In 1997, an initial site assessment identified scrap metal, car parts, an underground storage tank (UST), and several other magnetic anomalies.

Characterization and Cleanup Activities

In 1998, the 1,000-gallon UST (UST 399), and approximately 100 cubic yards of petroleum contaminated soil, was removed and treated off-site. Confirmation samples following soil removal for gasoline and diesel range organics (GRO and DRO), benzene, toluene, ethylbenzene, and xylenes (BTEX), and lead showed results for DRO above the cleanup level. In addition, the other magnetic anomalies were investigated and determined to be debris. Samples in these areas were collected for GRO, DRO, residual range organics (RRO), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls, and metals. All results were below cleanup levels. In 2010, an additional 115 cubic yards of petroleum contaminated soil was removed from the former UST 399 location and transported to the Fort Greely Landfarm for treatment. Confirmation samples were analyzed for GRO, DRO, RRO, BTEX, and polycyclic aromatic hydrocarbons (PAHs). All results were below cleanup levels.

Exposure Pathway Evaluation Table

Pathway	Result	Explanation
Surface Soil Contact	Pathway Incomplete	Residual petroleum contamination at the site is below ingestion cleanup levels and was not detected in the top two feet of soil.
Sub-Surface Soil Contact	De-Minimis Exposure	Residual petroleum contamination at the site is below ingestion cleanup levels.
Inhalation – Outdoor Air	Pathway Incomplete	Residual petroleum contamination at the site is below inhalation cleanup levels.
Inhalation – Indoor Air (vapor intrusion)	Pathway Incomplete	Residual petroleum contamination at the site is below inhalation cleanup levels.
Groundwater Ingestion	Pathway Incomplete	Residual petroleum contamination at the site is below migration to groundwater cleanup levels. Depth to groundwater is approximately 180 feet.
Surface Water Ingestion	Pathway Incomplete	Residual petroleum contamination at the site is below migration to groundwater cleanup levels. Nearest surface water body is Jarvis Creek, 1.5 miles away.
Wild and Farmed Foods Ingestion	Pathway Incomplete	Residual petroleum contamination at the site is below migration to groundwater cleanup levels. Contaminants of concern are not bio accumulative.
Exposure to Ecological Receptors	Pathway Incomplete	Residual petroleum contamination at the site is below migration to groundwater cleanup levels. Contaminants of concern are not bio accumulative.