



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

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File: 141.38.038, 141.38.078,
141.38.068, 141.26.003,
141.38.085, 141.38.083

October 17, 2016

Glen Shonkwiler
US Army Space Missile Defense Command
PO Box 1500
Huntsville, AL, 35807

Re: Decision Document – Cleanup Complete Determinations for Six Sites;

Fort Greely SMDC BRAC 41 Bldg 614 Gas Station
Fort Greely Bldg 351/352 BRAC 76
Fort Greely Evergreen Road POL Yard BRAC 102
Fort Greely – Bldg. 663 Tank #448
Fort Greely Undeveloped Area UST BRAC 118
Fort Greely Bldg 107 BRAC 96

Dear Mr. Shonkwiler:

The Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program has completed a review of the environmental records associated with the six above referenced sites at Fort Greely, Alaska. Based on the information provided to date, it has been determined that the contaminant concentrations remaining at these sites do not pose an unacceptable risk to human health or the environment, and no further remedial action will be required unless new information becomes available that indicates residual contaminants may pose an unacceptable risk.

This Cleanup Complete determination is based on the administrative record for the sites specified in this letter, which are located in the ADEC office in Fairbanks, Alaska. This decision letter summarizes the sites history, cleanup actions and levels, and standard site closure conditions that apply.

Regulatory Authority for Determination

18 AAC 75 and 18 AAC 78

Site Name	Location	Legal Description	ADEC File Number	ADEC Hazard ID	BRAC Site Number
Fort Greely SMDC BRAC 41, Bldg 614 Gas Station	Fort Greely Administrative/ Industrial Area South side of Shaw Avenue, in the parking area south of Building 615	Section 12, Township 11 South, Range 10 East, Fairbanks Meridian	141.38.038	4577	41
Fort Greely Bldg 351/352, BRAC 76	Fort Greely Mid-Post Geographic Area South of East Post Road, approximately 800 feet from Robin Road inside a fenced area	Section 11, Township 11 South, Range 10 East, Fairbanks Meridian	141.38.078	2671	76
Fort Greely Evergreen Road POL Yard, BRAC 102	Fort Greely Old Post Geographic Area Between Fourth and Sixth Avenues, between D Street and Evergreen Road	Section 2, Township 11 South, Range 10 East, Fairbanks Meridian	141.38.068	3846	102
Fort Greely Bldg 663, Tank # 448	Fort Greely Administrative/ Industrial Area Southeast corner of Arctic Avenue and First Street	Section 11, Township 11 South, Range 10 East, Fairbanks Meridian	141.26.003	25005	111
Fort Greely Undeveloped Area UST, BRAC 118	Fort Greely Northwest Undeveloped Geographic Area Approximately 0.2 miles north of Big Delta Avenue and 0.3 miles west of Robin Road	Section 11, Township 11 South, Range 10 East, Fairbanks Meridian	141.38.085	3700	118
Fort Greely Bldg 107, BRAC 96	Fort Greely Old Post Geographic Area Northwest corner of B Street and Fifth Avenue	Section 2, Township 11 South, Range 10 East, Fairbanks Meridian	141.38.083	26497	96

Fort Greely Description and Background

Fort Greely is located approximately 5 miles south of Delta Junction, Alaska, on the Richardson Highway. It was established in 1942 by the Army Air Corps and served as a strategic staging area for aircraft during World War II. Fort Greely was placed on inactive status in 1945 – 1947, but then reopened as an Army installation and designated as the Army's Cold Regions Testing Center. In 1995, Fort Greely was identified for closure and started the Base Realignment and Closure (BRAC) program. As part of the closure process a comprehensive cleanup program was initiated. Base closure was cancelled in 2002, when the Space Missile Defense Command selected Fort Greely as one of their locations to deploy a missile defense system.

Fort Greely has a continental climate typical of Interior Alaska, characterized by extreme seasonal variations in temperature and by low total precipitation. The upper 250 feet of soil at Fort Greely consists of sandy gravels interlaced with discontinuous silt layers. Depth to groundwater at Fort Greely is between 150 and 200 feet below ground surface. Groundwater levels fluctuate seasonally by approximately 20 feet, and flow direction varies seasonally from northeast to east-northeast.

Historic uses resulted in petroleum contaminated soil at the six sites addressed in this cleanup complete determination. Descriptions and additional details for each site are presented in the enclosed individual site summaries.

Contaminants of Concern

Contaminants at the six sites addressed in this closure document are related to past use and storage of petroleum. The following contaminants were detected above the applicable cleanup levels and are considered contaminants of concern at these sites:

- Gasoline Range Organics (GRO)
- Diesel Range Organics (DRO)
- Residual Range Organics (RRO)
- Benzene
- Lead

Cleanup Levels

The cleanup levels applicable to these sites are based on ADEC Method Two Soil Cleanup Levels, 18 Alaska Administrative Code (AAC) 75.341 Tables B1 and B2 for the "Under 40-Inch" precipitation zone.

Approved Cleanup Levels

Contaminant	Migration to Groundwater (mg/kg)
GRO	300
DRO	250
RRO	11,000
Benzene	0.025
	Direct Contact/Ingestion (mg/kg)
Lead	400

mg/kg = milligrams per kilogram

Characterization and Cleanup Activities

Characterization and cleanup activities were performed at all six of the sites addressed in this cleanup complete determination. Contaminated soil generated during cleanup activities at these sites were treated at Fort Greely by either thermal remediation or landfarming. Based on characterization and confirmation sampling results, no contaminants of concern remain at any of these sites above the approved cleanup levels. Details of the characterization and cleanup activities at each site are included in the enclosed individual site summaries.

Cumulative Risk Evaluation

Pursuant to 18 AAC 75.325(g), when detectable contamination remains on-site following a cleanup, a cumulative risk determination must be made that the risk from hazardous substances does not exceed a cumulative carcinogenic risk standard of 1 in 100,000 across all exposure pathways and does not exceed a cumulative non-carcinogenic risk standard at a hazard index of one across all exposure pathways.

Based on a review of the environmental record, ADEC has determined that residual contaminant concentrations meet the human health cumulative risk criteria for residential land use at each of the six sites addressed in this cleanup complete determination.

Exposure Pathway Evaluation

Following investigation and cleanup at the sites, 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 either De-Minimis Exposure or Pathway Incomplete. De-Minimis Exposure means that in ADEC's judgment receptors are unlikely to be adversely 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. A summary of the ETM pathway evaluation is included for each site in the enclosed site summaries.

ADEC Decision

Soil and groundwater contamination at these six sites have been cleaned up to concentrations below the approved cleanup levels. These sites will receive a "Cleanup Complete" designation on the Contaminated Sites Database, subject to the following standard conditions:

1. Any proposal to transport soil or groundwater off-site requires ADEC approval in accordance with 18 AAC 75.325(i) and 18 AAC 78.600(h). A "site" as defined by 18 AAC 75.990 (115) and 18 AAC 78.995(134) means an area that is contaminated, including areas contaminated by the migration of hazardous substances from a source area, regardless of property ownership.
2. Movement or use of contaminated material in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.
3. Groundwater throughout Alaska is protected for use as a water supply for drinking, culinary and food processing, agriculture including irrigation and stock watering, aquaculture, and industrial use. Contaminated site cleanup complete determinations are based on groundwater being considered a potential drinking water source. In the event that groundwater from this site is to be used for other purposes in the future, such as aquaculture, additional testing and treatment may be required to ensure the water is suitable for its intended use.


This determination is in accordance with 18 AAC 75.380 and 18 AAC 78.276(f) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that contaminants at this site may pose an unacceptable risk to human health, safety or welfare, or to 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, 555 Cordova Street, Anchorage, Alaska, 99501-2617, 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, P.O. Box 111800, 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 (907) 451-5175, or email at melody.debenham@alaska.gov.

Sincerely,



Melody Debenham
Project Manager

Enclosures: Fort Greely Site Locations

- Site Summary - Fort Greely SMDC BRAC 41 Bldg 614 Gas Station
- Site Summary - Fort Greely Bldg 351/352 BRAC 76
- Site Summary - Fort Greely Evergreen Road POL Yard BRAC 102
- Site Summary - Fort Greely - BLDG. 663 TANK #448 (BRAC 111)
- Site Summary - Fort Greely Undeveloped Area UST BRAC 118
- Site Summary - Fort Greely Bldg 107 BRAC 96

cc: Spill Prevention and Response, Cost Recovery Unit (via email)

2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska

Site Locations



2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska
Site Summary – Fort Greely SMDC BRAC 41, Building 614 Gas Station

Site Identifiers

ADEC File Number: 141.38.038
ADEC Hazard ID: 4577
BRAC Site Number: 41



Site Description and Background

Former Building 614 was a gas station located on the south side of Shaw Avenue, in the parking area south of Building 615. Two regulated 10,000-gallon underground storage tanks (USTs) were removed from this site in 1986. UST 483 held gasoline, and UST 484 held diesel fuel. No samples were collected during removal activities. The building and former dispensers have been removed, but the concrete floor slab and the slab at the former dispenser remain in place.

Characterization and Cleanup Activities

In 2006, passive soil gas monitoring was conducted at the site to determine if petroleum contamination associated with the former USTs was present. The passive soil gas modules were analyzed for volatile organic compounds and total petroleum hydrocarbons; results were detected at very low levels. Five borings were drilled in 2007 near the former UST locations and at the dispenser slab. Sample results for diesel and gasoline range organics, benzene, toluene, ethylbenzene, xylenes, and lead were all below ADEC migration to groundwater cleanup levels.

Exposure Pathway Evaluation Table

Pathway	Result	Explanation
Surface Soil Contact	De-Minimis Exposure	Residual petroleum contamination at the site is below ingestion cleanup levels.
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, 0.8 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.

2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska
Site Summary – Fort Greely Building 351/352, BRAC 76

Site Identifiers

ADEC File Number: 141.38.078
ADEC Hazard ID: 2671
BRAC Site Number: 76

Site Description and Background

The Building 351/352 site is located within the fenced Roads and Grounds Yard south of East Post Road. A 100-gallon diesel fuel spill was reported in 1992 in front of Building 351 (originally reported at Building 352). Both buildings have been removed.



Characterization and Cleanup Activities

Approximately 75 cubic yards of petroleum contaminated soil was removed for treatment during initial response actions in 1992, however no sampling was conducted. In 1998, three soil borings were installed at the spill location. Samples were analyzed for gasoline and diesel range organics (GRO and DRO); benzene, toluene, ethylbenzene, and xylenes (BTEX); and polycyclic aromatic hydrocarbons (PAHs). Results from one soil boring contained DRO above the cleanup level. In 2010, the soil boring was relocated and 4 cubic yards of contaminated soil was removed and treated at the Fort Greely landfarm. Confirmation sample results were below cleanup levels for GRO, DRO, BTEX, and PAHs.

Exposure Pathway Evaluation Table

Pathway	Result	Explanation
Surface Soil Contact	De-Minimis Exposure	Residual petroleum contamination at the site is below ingestion cleanup levels.
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 mile 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.

2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska
Site Summary – Fort Greely Evergreen Road POL Yard, BRAC 102

Site Identifiers

ADEC File Number: 141.38.068
 ADEC Hazard ID: 3846
 BRAC Site Number: 102

Site Description and Background

The Evergreen Road Petroleum, Oil, and Lubricants (POL) Yard is located between 4th and 6th Avenues, between D Street and Evergreen Road. This area was historically used as a drum storage area.



Characterization and Cleanup Activities

In 1997, samples from the site were analyzed for gasoline, diesel, and residual range organics (GRO, DRO, and RRO); benzene, toluene, ethylbenzene, and xylenes (BTEX); and semi-volatile organic compounds (SVOCs). Results showed GRO, DRO, and RRO above the cleanup level. In 1999, 780 cubic yards of petroleum contaminated soil were removed and thermally treated. Confirmation samples at the limits of the excavation were analyzed for GRO, DRO, RRO, and BTEX; results were all below cleanup levels.

Trichloroethylene (TCE) was detected in a passive soil gas survey in the Old Post area in 2004 that included the Evergreen Road POL Yard. Nine soil borings were installed in 2005 to determine if there was a source of TCE at the site. TCE was not detected in any of the samples.

Exposure Pathway Evaluation Table

Pathway	Result	Explanation
Surface Soil Contact	De-Minimis Exposure	Residual petroleum contamination at the site is below ingestion cleanup levels.
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, 0.6 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.

2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska
Site Summary – Fort Greely Building 663, Tank 448 (BRAC 111)

Site Identifiers

ADEC File Number: 141.26.003
ADEC Hazard ID: 25005
BRAC Site Number: 111



Site Description and Background

Building 663 is located on the southeast corner of Arctic Avenue and 1st Street. In 1978, a 700-gallon regulated underground storage tank (UST), UST 448, was installed to supply gasoline and later, diesel, to an emergency generator.

Characterization and Cleanup Activities

UST 448 was removed in 1995, and replaced with a 1,000-gallon regulated diesel UST (UST 448A). No contamination was found and confirmation sample results for gasoline and diesel range organics (GRO and DRO); benzene, toluene, ethylbenzene, and xylenes (BTEX); and lead, were all below cleanup levels. The GRO and BTEX samples were not properly preserved and the data was determined to be compromised. In 2006, UST 448A was removed. No contamination was encountered during the removal, and confirmation sample results for DRO and BTEX were below cleanup levels. In 2009, three additional samples were collected to verify the results of the 1995 samples that were not preserved correctly. Samples were analyzed for GRO, DRO, BTEX, polycyclic aromatic hydrocarbons (PAHs), and lead; all results were below cleanup levels.

Exposure Pathway Evaluation Table

Pathway	Result	Explanation
Surface Soil Contact	De-Minimis Exposure	Residual petroleum contamination at the site is below ingestion cleanup levels.
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 mile 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.

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.

2016 Decision Document
Cleanup Complete Determination for Six Sites at Fort Greely, Alaska
Site Summary – Fort Greely Building 107, BRAC 96

Site Identifiers

ADEC File Number: 141.38.083
ADEC Hazard ID: 26497
BRAC Site Number: 96



Site Description and Background

Building 107 was a power plant located at the northwest corner of B Street and Fifth Ave. The generators were supplied by fuel pipelines connected to the bulk fuel storage area. A 1950 drawing identified a diesel underground storage tank (UST) on the south side of the building. Building 107 and the UST were removed prior to 1997.

Characterization and Cleanup Activities

In 2007, investigation activities were conducted to identify any buried fuel lines or USTs at the former Building 107 location. Soil borings were installed at 7 locations and sampled for gasoline and diesel range organics (GRO and DRO), benzene, toluene, ethylbenzene, and xylenes (BTEX), and lead; all results were below cleanup levels. In 2008, test pits were installed along the length of the pipeline connecting Building 107 to the former bulk fuel storage area. Samples were analyzed for GRO, DRO, BTEX, polycyclic aromatic hydrocarbons (PAHs), and lead. One sample from near Building 107 had a result for lead above the cleanup level, with a result of 609 mg/kg; all other results were below cleanup levels. The pipeline was removed in 2010. Confirmation samples following the pipeline removal were analyzed for GRO, DRO, BTEX, PAHs, and lead. All results were below the cleanup levels, including a sample collected from the location where lead was detected above the cleanup level in 2008.

Exposure Pathway Evaluation Table

Pathway	Result	Explanation
Surface Soil Contact	De-Minimis Exposure	Residual petroleum contamination at the site is below ingestion cleanup levels.
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 water body is Jarvis Creek, 0.6 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.