

ALASKA LNG PROJECT	DOCKET No. CP17-____-000 RESOURCE REPORT No. 8 APPENDIX E – HAZARDOUS WASTE SITES, CONTAMINATION, AND LANDFILLS WITHIN 0.25-MILE OF THE PROJECT FOOTPRINT	DOC No: USAI-PE-SRREG-00- 000008-000 DATE: APRIL 14, 2017 REVISION: 0
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APPENDIX E HAZARDOUS WASTE SITES, CONTAMINATION, AND LANDFILLS WITHIN 0.25-MILE OF THE PROJECT FOOTPRINT

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TABLE 1

Contaminated Sites within .25 Mile of the Project Footprint

Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
GTP	EXPANDED MODULE HAUL ROAD	0.00	439.12	SE	BPX Abel State 1	Oil Exploration/Onshore	Cleanup Complete	NSB
GTP	NEW HAUL ROAD	0.00	69.27	W	BPX Term Well A	Oil Exploration/Onshore	Cleanup Complete - Institutional Controls	NSB
GTP	EXPANDED CAUSEWAY ROAD	0.00	1,120.53	E	BPX North Prudhoe Bay State #1	Oil Exploration/Onshore	Cleanup Complete	NSB
GTP	CGF ROAD	0.06	424.02	NE	BPX Central Gas Facility Therminol Spill	Oil Production/Field Processing	Open	NSB
MAINLINE ROW	Mainline Temporary ROW	5.04	1,232.46	SE	Alyeska PS 01 Tank 111	Transmission Pipeline	Cleanup Complete - Institutional Controls	NSB
MAINLINE ROW	Mainline Temporary ROW	5.29	727.16	E	Alyeska Pump Station #1 (DS 138-3)	Class III Camp	Retired	NSB
MAINLINE ROW	Mainline Temporary ROW	5.31	624.91	E	Alyeska PS 01 Back 40 Staging Area	Landfill/Dump	Cleanup Complete - Institutional Controls	NSB
MAINLINE	MINOR ST ATWS	14.23	1,210.84	W	ConocoPhillips Hemi Springs 3	Oil Production/Onshore	Cleanup Complete - Institutional Controls	NSB
MAINLINE	Franklin Bluffs Camp	43.69	0.00	W	Alyeska Franklin Bluffs Camp	Other	Cleanup Complete - Institutional Controls	NSB
MAINLINE	Franklin Bluffs Camp	43.73	0.00	W	Alyeska Franklin Bluffs Pipeline Camp	Class III Camp	Retired	NSB
MAINLINE	WS-E-85.7	85.70	174.51	S	Alyeska Happy Valley Camp East	Airport/Airfield	Cleanup Complete - Institutional Controls	NSB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	WS-E-85.7	85.70	1,270.69	N	ADNR Arctic Wilderness Lodge	Hotel/Lodge	Cleanup Complete - Institutional Controls	NSB
MAINLINE	Happy Valley PSY	85.84	0.00	W	Alyeska Happy Valley Camp West	Commercial/Retail/Office	Open	NSB
MAINLINE	MINOR ST ATWS	90.30	777.65	NE	Alyeska Dan Creek Spill	Unknown	Cleanup Complete	NSB
MAINLINE ROW	Mainline Temporary ROW	113.47	970.32	SE	Alyeska Milepost 108.1	Unknown	Cleanup Complete	NSB
MAINLINE	MS-PSY-E-114.73	113.78	358.91	E	Sag River Maintenance Camp (ADOT/PF)	Class III Camp	Retired	NSB
MAINLINE	AR-MS-MLBV-PSY-E-129.55	130.23	47.07	SW	Alyeska Pipeline Site 117-1B Camp	Class III Camp	Active	NSB
MAINLINE	AR-MS-HT-CAMP-PSY-E-141.24	141.56	0.00	W	Alyeska Galbraith Airport Generator	Unknown	Cleanup Complete	NSB
MAINLINE	AR-MS-HT-CAMP-PSY-E-141.24	141.68	112.56	NE	Alyeska Galbraith Airport Diesel	Airport/Airfield	Cleanup Complete - Institutional Controls	NSB
MAINLINE	Galbraith Airstrip FP	142.99	1,023.46	E	BLM Alyeska Galbraith Camp	Oilfield Services	Cleanup Complete - Institutional Controls	NSB
MAINLINE	65-9-056-2 FP	149.02	0.00	W	Alyeska Pump Station #4 (DS 114-0) Galbraith Lake	Class III Camp	Retired	NSB
MAINLINE ROW	Mainline Temporary ROW	197.22	699.11	SW	Alyeska Remote Gate Valve 35A	Transmission Pipeline	Cleanup Complete	YKCA

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	Dietrich Camp	205.86	0.00	W	Alyeska Dietrich Camp	Oil Production/Flow Lines	Open	YKCA
MAINLINE	CAMP-PSY-I-241.07	241.05	0.00	W	Coldfoot Services	Commercial/Retail/Office	Cleanup Complete - Institutional Controls	YKCA
MAINLINE	CAMP-PSY-E-241.07	241.05	107.48	NW	Coldfoot Camp Generator Release	Commercial/Retail/Office	Open	YKCA
MAINLINE	CAMP-PSY-I-241.07	241.05	161.09	SW	Coldfoot Camp Crew Quarters Fuel Line	Residence	Open	YKCA
MAINLINE ROW	Permanent ROW REV C2	264.19	0.00	W	ADOT&PF Dalton Highway Mile 152.7	Unknown	Cleanup Complete	YKCA
MAINLINE	MS-E-271.93	271.68	309.74	N	Jim River Landfill ADOT/PF	Class III Camp	Retired	YKCA
MAINLINE	MS-E-271.93	271.89	249.75	N	ADOT&PF Dalton Highway Mile 145	Unknown	Cleanup Complete	YKCA
MAINLINE	MS-E-271.93	272.00	581.63	S	Alyeska Pump Station #5 (DS 92-3.1)	Class III Camp	Retired	YKCA
MAINLINE	Prospect Camp	278.67	831.48	NE	ADOTPF - Jim River Maintenance and Operations Station	Highway Maintenance Station	Cleanup Complete	YKCA
MAINLINE	Prospect Camp	278.70	757.75	NE	ADOT&PF Jim River Maintenance Camp	Maintenance Yard/Shop	Cleanup Complete	YKCA
MAINLINE	AR-E-278.11	278.83	78.42	SE	Prospect Airport Lease Lot 1	Airport/Airfield	Open	YKCA

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	AR-E-278.11	279.16	516.03	N	Alyeska PS 05 Fuel Island Spill 1	Transmission Pipeline	Cleanup Complete	YKCA
MAINLINE	AR-E-278.11	279.16	516.03	N	Alyeska PS 05 Fuel Island Spill 2	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA
MAINLINE	AR-E-278.11	279.16	516.03	N	Alyeska PS 05 Tank Farm	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA
MAINLINE	AR-E-278.11	279.16	505.95	N	Alyeska PS 05 Well House Spill	Transmission Pipeline	Cleanup Complete	YKCA
MAINLINE	AR-E-278.11	279.16	506.16	N	Alyeska PS 05 Turbine Fuel Spill	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA
MAINLINE	AR-E-278.11	279.19	423.81	N	Alyeska PS 05 20RBO Valve Release	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA
MAINLINE	MS-PSY-I-305.86	305.85	0.00	W	Alyeska Old Man Camp 87-1	Class III Camp	Retired	YKCA
MAINLINE ROW	Mainline Temporary ROW	312.74	278.30	NE	Alaska West Transport	Unknown	Cleanup Complete	YKCA
MAINLINE ROW	Permanent ROW REV C2	351.62	480.01	NE	Alyeska Five Mile Airstrip	Airport/Airfield	Cleanup Complete	YKCA
MAINLINE	AR-XG-N-358.26	358.26	386.64	SW	Alyeska PS 06 Former Mainline Turbine Sump	Transmission Pipeline	Cleanup Complete	YKCA
MAINLINE	AR-XG-N-358.31	358.31	684.85	SW	Alyeska PS 06 Former Turbine Fuel Loading	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA

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MAINLINE	AR-XG-N-358.31	358.32	397.00	S	Alyeska PS 06 Leach Field /Fuel Island	Transmission Pipeline	Open	YKCA
MAINLINE	AR-XG-N-358.31	358.32	396.84	S	Alyeska PS 06 Therminol Spill Site	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA
MAINLINE ROW	Permanent ROW REV C2	358.34	128.58	SW	Alyeska PS 06 JP4 Fueling Facility	Transmission Pipeline	Cleanup Complete	YKCA
MAINLINE ROW	Permanent ROW REV C2	358.34	128.58	SW	Alyeska PS 06 Jet Shed	Transmission Pipeline	Cleanup Complete - Institutional Controls	YKCA
MAINLINE ROW	Mainline Temporary ROW	358.79	535.97	SW	Alyeska Pump Station #6 (DS 77-3)	Class III Camp	Retired	YKCA
MAINLINE	65-3-019-2 FP	365.10	0.00	W	Yukon Ventures (Yukon River Crossing Landfill)	Inert Monofill	Retired	YKCA
MAINLINE	Alternate 65-3-012-2 FP	394.48	0.00	W	Dalton Highway Mile Post 7 Tanker Rollover	Vehicle	Cleanup Complete - Institutional Controls	YKCA
MAINLINE	Livengood Camp	401.11	8.06	S	Tower Hill Mines - Livengood Camp	Mining Operation	Open	YKCA
MAINLINE	AR-MS-E-442.89	440.54	1,058.09	N	Murphy Dome AFS - White Alice Station	Military Installation - Radar/Radio Relay Stn	Cleanup Complete	FNSB
MAINLINE	AR-MS-E-442.89	440.54	1,148.30	N	Murphy Dome AFS - Bldg.1001 UST SS08	Military Installation - Base/Post/Other	Cleanup Complete	FNSB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	AR-MS-E-442.89	444.56	352.80	E	Murphy Dome AFS - Landfill No. 2	Landfill/Dump	Cleanup Complete	FNSB
MAINLINE	YD-FAIRBANKS_001	445.15	830.54	NW	Tank Rollover Spill (AKA Mat-Su, Inc.)	Unknown	Cleanup Complete	FNSB
MAINLINE	DUNBAR	455.63	1,221.04	NE	ARRC Dunbar Siding	Railroad Operation	Cleanup Complete	YKCA
MAINLINE	NENANA	471.89	776.61	SE	Nenana Landfill (City of)	Class III	Retired	YKCA
MAINLINE ROW	Permanent ROW REV C2	501.88	1,118.58	W	AT&T Alascom Birch Creek Repeater	Unknown	Cleanup Complete	DB
MAINLINE	37-2-007-2 FP	525.57	1,015.44	N	Healy Small Tracts Subdivision	Residence	Open	DB
MAINLINE	HEALY	528.86	588.90	E	Usibelli Coal Mine (Lignite Creek) LCF-4, LCF-5, LCF-6, LCF-7	Mining Operation	Cleanup Complete - Institutional Controls	DB
MAINLINE	AR-GA-N-536.47	536.27	765.35	S	Tesoro - Lynx Creek -Parks Hwy	Unknown	Cleanup Complete	DB
MAINLINE ROW	Mainline Temporary ROW	566.29	41.15	E	Cantwell ADOT/PF Inert Waste Landfill	Inert Monofill	Retired	DB
MAINLINE	AR-MS-E-566.75	566.55	343.67	W	Cantwell Landfill	Class III	Retired	DB
MAINLINE	PSY-SP-N-568.79	568.52	487.66	N	Valdez Creek Mine - Waste Motor Oil	Mining Operation	Cleanup Complete	DB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	PSY-SP-N-568.79	568.52	487.66	N	FAA Summit Air Navigation Site - Sitewide	Airport/Airfield	Open	DB
MAINLINE	PSY-SP-N-568.79	568.52	487.66	N	Valdez Creek Mine - Collective Areas	Mining Operation	Cleanup Complete	DB
MAINLINE	PSY-SP-N-568.79	568.52	487.66	N	Valdez Creek Mine - Dam Blow-Out	Mining Operation	Cleanup Complete	DB
MAINLINE	PSY-SP-N-568.79	568.52	487.66	N	Tesoro - Tsesyu - Parks Hwy.	Unknown	Cleanup Complete	DB
MAINLINE	CANTWELL	568.54	977.58	N	Cantwell UAF Inert Landfill	Inert Monofill	Retired	DB
MAINLINE	PSY-SP-N-568.79	568.54	425.52	NW	ADOTPF - Cantwell Maintenance Station	Maintenance Yard/Shop	Cleanup Complete	DB
MAINLINE	PSY-SP-N-568.79	568.55	249.24	NW	ARRC Cantwell Section House	Railroad Operation	Cleanup Complete	DB
MAINLINE	CANTWELL	568.59	335.67	NE	ARRC - Cantwell Section	Unknown	Cleanup Complete	DB
MAINLINE	TOPSOIL ATWS	575.41	1,169.07	SE	FAA Summit NDB/RCO	Airport/Airfield	Open	MSB
MAINLINE	TOPSOIL ATWS	575.41	1,169.07	SE	FAA Summit Flight Service Station	Airport/Airfield	Open	MSB
MAINLINE	AR-E-576.1	575.52	830.10	NE	ARRC Summit Siding	Railroad Operation	Open	MSB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	SP-E-583.86	583.64	0.00	W	ARRC Broad Pass Railroad Station	Railroad Operation	Cleanup Complete - Institutional Controls	MSB
MAINLINE	35-4-101-2 FP	591.90	716.87	NE	ADOTPF - Chulitna Wayside	Unknown	Cleanup Complete	MSB
MAINLINE	AR-N-592.83	592.97	470.28	W	ADOTPF - East Fork Maintenance Station	Maintenance Yard/Shop	Cleanup Complete - Institutional Controls	MSB
MAINLINE	HURRICANE	606.89	726.01	SW	ARRC - Hurricane former UST site	Railroad Operation	Open	MSB
MAINLINE	RAILROAD ATWS	608.98	128.74	NW	Lynden Transport Vehicle Accident - MP 169 Parks Highway	Vehicle	Cleanup Complete	MSB
MAINLINE ROW	Mainline Temporary ROW	627.71	136.23	SE	Denali Air - McKinley Airstrip	Unknown	Cleanup Complete	MSB
MAINLINE	35-3-053-1 FP	636.19	774.44	NE	AT&T Alascom Byers Creek Repeater	Unknown	Cleanup Complete	MSB
MAINLINE	MINOR ST ATWS	658.28	343.40	E	ADOTPF Chulitna Maintenance	Highway Maintenance Station	Cleanup Complete - Institutional Controls	MSB
MAINLINE	SP-E-676.43	676.28	60.92	NE	Sunshine Landfill	Unknown	Cleanup Complete	MSB
MAINLINE	YD-PITTMAN_001	709.76	657.47	S	Kwik Kard - Mile 47.9 Parks Highway	Gas Station	Cleanup Complete - Institutional Controls	MSB
MAINLINE ROW	Mainline Temporary ROW	798.80	118.66	N	Nikiski Airstrip	Landfill/Dump	Cleanup Complete - Institutional Controls	KPB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	TOPSOIL ATWS	798.83	1,081.48	S	Arness Septage	Landfill/Dump	Open	KPB
MAINLINE ROW	Permanent ROW REV C2	799.63	619.67	N	Marathon East Forelands Flare Pit	Transmission Pipeline	Cleanup Complete	KPB
MAINLINE ROW	Permanent ROW REV C2	800.13	933.27	W	Shell Western Middle Ground Shoal	Unknown	Cleanup Complete	KPB
MAINLINE ROW	Permanent ROW REV C2	800.13	823.55	W	Tesoro KPL Middle Ground Shoal Fac	Oil Production/Flow Lines	Open	KPB
MAINLINE ROW	Permanent ROW REV C2	800.13	918.65	W	Middle Ground Shoals Onshore Fac.	Transmission Pipeline	Open	KPB
MAINLINE ROW	Permanent ROW REV C2	800.14	484.59	W	Shell Onshore Facility - Landfarm	Unknown	Cleanup Complete	KPB
MAINLINE	BEND ATWS	800.48	593.05	NW	AMOCO East Forelands Facility	Oil Exploration/Onshore	Cleanup Complete	KPB
MAINLINE	TOPSOIL ATWS	801.29	1,064.95	SE	Alascom - Nikishka Repeater	Unknown	Cleanup Complete	KPB
MAINLINE	TOPSOIL ATWS	804.07	309.33	E	Schlumberger Wireline Services	Unknown	Cleanup Complete	KPB
MAINLINE	TOPSOIL ATWS	804.27	332.99	E	TBE Machine	Oilfield Services	Open	KPB
MAINLINE	TOPSOIL ATWS	804.27	244.89	E	TBE Machine Company	Unknown	Cleanup Complete	KPB
MAINLINE	LOCAL ROAD ATWS	804.27	538.10	W	Bernice Lake Power Plant	Power Generation	Cleanup Complete	KPB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	Kenai Camp	804.30	673.41	S	Chevron USA Refinery-Nikiski	Refinery Operation	Open	KPB
MAINLINE	ARTERIAL ROAD ATWS	804.43	431.52	SW	Beaver Creek Lact Unit	Oil Production/Field Processing	Open	KPB
MAINLINE	ARTERIAL ROAD ATWS	804.48	143.42	N	Dresser Atlas-Mile 22.5 North Kenai Road	Other	Cleanup Complete - Institutional Controls	KPB
MAINLINE	TOPSOIL ATWS	804.53	0.00	W	ADOT&PF Bernice Lake Maintenance Facility	Maintenance Yard/Shop	Cleanup Complete	KPB
MAINLINE	ARTERIAL ROAD ATWS	804.59	1,267.94	SW	Tesoro KPL Bernice Creek Plume	Transmission Pipeline	Open	KPB
MAINLINE	BEND ATWS	804.59	1,317.54	SW	Kenai Pipeline Oily Water Sewer Sys	Crude Oil Terminal	Open	KPB
LNG	LNG Construction Camp	806.22	219.94	NE	UNOCAL Chem/Cabin Lake Drum Site	Unknown	Cleanup Complete	KPB
LNG	LNG Operations Area	806.52	1,266.40	W	UNOCAL Chemical Diesel Spill	Chemical Manufacturing/Storage	Open	KPB
LNG	LNG Operations Area	806.54	1,117.08	W	UNOCAL Chemical Plant - drain	Chemical Manufacturing/Storage	Open	KPB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
LNG	LNG Operations Area	806.54	1,117.08	W	UNOCAL Chemical - Sulfinol Spill	Chemical Manufacturing/Storage	Open	KPB
LNG	LNG Operations Area	806.54	1,117.08	W	UNOCAL Ammonia Plant	Chemical Manufacturing/Storage	Open	KPB
LNG	LNG Operations Area	806.55	1,166.80	W	UNOCAL/Agrium Ammonia Urea Plant	Chemical Manufacturing/Storage	Open	KPB
LNG	LNG Operations Area	806.55	83.20	W	Tesoro South Terminal	Unknown	Cleanup Complete	KPB
LNG	LNG Operations Area	806.57	0.00	W	Tesoro Northstore #201- Nikiski	Gas Station	Cleanup Complete - Institutional Controls	KPB
PTTL	Fox Lake	0.00	1,067.75	N	Exxon Pt. Thompson Exploration Unit 1	Unknown	Cleanup Complete	NSB
PTTL	C-1 Pit	0.22	927.13	NE	Exxon Point Thompson State C1 Pad	Oil Production/Onshore	Open	NSB
PTTL	ROAD CROSSING ATWS	54.11	700.36	SW	BPX Hot Water Plant	Oilfield Services	Open	NSB
PTTL	PTTL PRUDHOE BAY	54.19	1,078.85	NE	BPX Drill Site Maintenance Warm Storage Facility	Oilfield Services	Cleanup Complete - Institutional Controls	NSB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
PTTL	PTTL PRUDHOE BAY	54.25	944.55	NE	BPX Drill Site Maintenance Pad - Shop Site (ARCO)	Oilfield Services	Open	NSB
PTTL	PTTL PRUDHOE BAY	54.28	869.64	N	BPX South Hangar Pad	Oil Exploration/Onshore	Cleanup Complete - Institutional Controls	NSB

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TABLE 2

Contaminated Sites with Institutional Controls within the Project Footprint

Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	Franklin Bluffs Camp	43.69	0.00	W	Alyeska Franklin Bluffs Camp	Other	Cleanup Complete - Institutional Controls	NSB
Problems/Comments		<p>The site was used as a construction camp during construction of the Trans Alaska Pipeline System in the early 1970s. During construction, the camp was used for personnel housing, vehicle maintenance and storage, construction material staging, and fuel storage and transfer. In 1975, approximately 30,000 gallons of diesel were released to the camp pad and some contamination migrated to nearby wetlands at the edge of the pad. Alyeska conducted initial spill response and cleanup including product recovery according to company procedures. In 1985, Alyeska’s camp closeout was approved by Alaska Department of Natural Resources (ADNR). Multiple users have occupied the site since it was used as a construction camp. Multiple contaminants had remained from spills during operations of a pipeline construction camp. Soil, GW and SW contamination existed, fresh water and wetlands present, anadromous fish stream nearby. TAPS Alignment: AS131; MP40. Multiple users have had permits from the State. The Camp was being considered by the Dalton Highway P&A Board for future development. Land was selected by the North Slope Borough. Recreational and subsistence hunting, fishing and food gathering activities occur throughout the area. The site is located within 5 miles of Franklin Bluffs Peregrine Falcon Zone of Restricted Activity.</p>						
Contaminant Information		Name	Level Description					Media
		GRO	Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation					Soil
		DRO	Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation					Soil
		Benzene	Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation					Soil
Requirements		Advance approval required to transport soil or groundwater off-site						

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Contaminated Sites with Institutional Controls within the Project Footprint

Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	CAMP-PSY-I-241.07	241.05	0.00	W	Coldfoot Services	Commercial/Retail/Office	Cleanup Complete - Institutional Controls	YKCA
Problems/Comments		Widespread oil, diesel, and gas contamination dating back several years. Burial of waste oil and batteries. Petroleum product film found in drinking water wells. Multiple burial sites. Spills in tank area and throughout property. Contamination to pond and stream surface waters. Multiple site visits. Cleanup plan proposed. COBC planned. Land owned by DNR.						
Contaminant Information		Name	Level Description					Media
		DRO	Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation					Soil
Requirements		Advance approval required to transport soil or groundwater off-site. When Contaminated Soil is Accessible, Remediation Should Occur.						
Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	Alternate 65-3-012-2 FP	394.48	0.00	W	Dalton Highway Mile Post 7 Tanker Rollover	Vehicle	Cleanup Complete - Institutional Controls	YKCA
Problems/Comments		On 10/29/06 a tanker truck rollover occurred at milepost 7 of the Dalton Highway (9 miles north of Livengood) and released approximately 6,685 gallons of Diesel #1 fuel to the east shoulder ditchline. Following initial response efforts, the contractor estimated there were approximately 1,881.4 gallons of fuel remaining under or near the road. The vertical and horizontal extents of contamination were not reached during initial removal actions. On 3/28/07 additional excavation was performed to a depth of 2.5 to 3.5 feet below the bottom of the ditchline. A 12-mil liner was installed on the bottom of the excavation to prevent contamination of surface water runoff in areas of remaining soil contamination.						

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TABLE 2

Contaminated Sites with Institutional Controls within the Project Footprint

Contaminant Information	Name	Level Description						Media
	DRO	Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation						Soil
Requirements	Excavation / Soil Movement Restrictions: any proposal to excavate soil may require a qualified person to prepare a work plan (for ADEC review and approval) that properly addresses the management and handling of any soil contamination prior to its excavation. The costs associated with assessing and managing these impacted soils shall remain the responsibility of Alaska West Express Inc.							
Facility	Facility Name	MP	Distance to footprint (ft)	Direction to footprint	Site Name	Site Type	Status	Borough
MAINLINE	SP-E-583.86	583.64	0.00	W	ARRC Broad Pass Railroad Station	Railroad Operation	Cleanup Complete - Institutional Controls	MSB
Problems/Comments	In 2009, during a drainage ditch sampling effort for the ARRC - Broad Pass Railroad Station (HAZID 22938), a previously unknown 500-gallon diesel heating oil underground storage tank (UST) was discovered. The UST was found to be partially open and submerged with water. In 2010, the UST was purged of water and removed from the site. Three soil samples collected 6 inches below the former UST, at 3.75 ft. bgs, contained benzene up to 0.387 mg/kg. The excavation was then backfilled with stockpiled soils and clean fill to bring to grade.							
Contaminant Information	Name	Level Description						Media
	Benzene	Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation						Soil
Requirements	Advance approval required to transport soil or groundwater off-site							
Source: ADEC Division of Spill Prevention and Response, Contaminated Sites Program. http://dec.alaska.gov/spar/csp/db_search.htm , accessed 18 March 2017								

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TABLE 3

Contaminated Sites within .25 Mile of the Non-Jurisdictional Facilities

Facility	Facility Name	MP	Distance to footprint (ft)	Direction from footprint	Site Name	Site Type	Status	Borough
KSH	Alt 3 Miller Loop Rd	NA	718.32	SW	UNOCAL Chemical Diesel Spill	Chemical Manufacturing/Storage	Open	KPB
KSH	Alt 3 Miller Loop Rd	NA	685.16	SW	UNOCAL Chemical Plant - drain	Chemical Manufacturing/Storage	Open	KPB
KSH	Alt 3 Miller Loop Rd	NA	685.16	SW	UNOCAL Chemical - Sulfinol Spill	Chemical Manufacturing/Storage	Open	KPB
KSH	Alt 3 Miller Loop Rd	NA	685.16	SW	UNOCAL Ammonia Plant	Chemical Manufacturing/Storage	Open	KPB
KSH	Alt 3 Miller Loop Rd	NA	793.93	SW	UNOCAL/Agrium Ammonia Urea Plant	Chemical Manufacturing/Storage	Open	KPB
KSH	Alt 3 Miller Loop Rd	NA	824.11	S	Tesoro South Terminal	Unknown	Cleanup Complete	KPB
KSH	Alt 3 Miller Loop Rd	NA	268.93	SE	UNOCAL Chem/Cabin Lake Drum Site	Unknown	Cleanup Complete	KPB
KSH	Alt 3 Miller Loop Rd	NA	222.34	SE	Arctic Pipe Inspection, Inc.	Unknown	Cleanup Complete	KPB
KSH	Alt 4 East	NA	230.97	E	Spruce Haven Estates Subd. Lot 7	Unknown	Cleanup Complete	KPB
KSH	Alt 4 East	NA	365.79	NW	Sleepers Trailer Court	Salvage/Recycling/Wrecking Yard	Open	KPB
KSH	Alt 1 LNG S Variant	NA	165.15	W	ASRC Arctic Pipe Inspection	Oilfield Services	Open	KPB
KSH	Alt 4 East	NA	273.94	W	Baker Hughes Kenai Bulk Pressure Plant	Non-Crude Terminal	Open	KPB

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TABLE 3

Contaminated Sites within .25 Mile of the Non-Jurisdictional Facilities

Facility	Facility Name	MP	Distance to footprint (ft)	Direction from footprint	Site Name	Site Type	Status	Borough
PBU MGS	EOA CO2	NA	751.42	SW	BPX Drill Site 2 (former ARCO)	Oil Production/Onshore	Cleanup Complete	NSB
PBU MGS	WOA CO2	NA	323.55	SW	BPX Tuboscope, Inc. Lease Tract	Oilfield Services	Open	NSB
PBU MGS	WOA CO2	NA	519.68	SW	BPX BOC Bulk Fuel Facility Utilidor	Oil Production/Onshore	Open	NSB
PBU MGS	WOA CO2	NA	540.03	SW	BPX BOC Refueling Area, West Op	Unknown	Cleanup Complete	NSB
PBU MGS	EOA CO2	NA	628.22	SW	BPX Hot Water Plant	Oilfield Services	Open	NSB
PBU MGS	Branch to W Pad	NA	942.54	S	BP W Pad Drilling Waste GP	Storage	Active	NSB
PBU MGS	WOA CO2	NA	1,184.13	SE	BPX Kuparuk State #1	Oil Production/Onshore	Cleanup Complete	NSB
PBU MGS	EOA CO2	NA	718.60	NE	BPX Drill Site 9 Well 11	Oil Production/Onshore	Cleanup Complete - Institutional Controls	NSB
PBU MGS	EOA CO2	NA	681.87	NE	BPX Flow Station 1 VSM	Oil Production/Flow Lines	Cleanup Complete	NSB
PBU MGS	EOA CO2	NA	1,113.57	N	BPX Pad 10 Temporary Containment (former ARCO)	Oil Production/Onshore	Cleanup Complete - Institutional Controls	NSB
PBU MGS	Branch to W Pad	NA	202.11	N	BPX Well Pad W Spill	Oil Production/Onshore	Cleanup Complete	NSB

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Facility	Facility Name	MP	Distance to footprint (ft)	Direction from footprint	Site Name	Site Type	Status	Borough
PBU MGS	AGI to GC1	NA	481.91	N	BPX GC1 Skid 40 Snow Shelter	Oil Production/Onshore	Open	NSB
PBU MGS	WOA CO2	NA	1,126.23	N	BPX C Pad Stoddard Solvent Site (former ARCO)	Oil Production/Onshore	Cleanup Complete - Institutional Controls	NSB
PBU MGS	WOA CO2	NA	1,165.73	N	BPX RCRA Administrative Order on Consent for North Slope Sites	Oil Exploration/Onshore	Informational	NSB
PBU MGS	Branch to W Pad	NA	220.53	NW	Eileen West End 21-11-12	Oil Production/Onshore	Cleanup Complete - Institutional Controls	NSB
PBU MGS	EOA CO2	NA	547.86	W	BPX Central Gas Facility Therminol Spill	Oil Production/Field Processing	Open	NSB
PTU Expansion	Central Pad Central	NA	817.58	NE	Exxon Pt. Thompson Exploration Unit 1	Unknown	Cleanup Complete	NSB
PTU Expansion	East Pad Road	NA	411.74	N	Exxon Point Thompson State C1 Pad	Oil Production/Onshore	Open	NSB