

**Appendix L –
Identified Hazardous Material Sites
and Regulated Facilities, and
Database Records**

L. IDENTIFIED HAZARDOUS MATERIAL SITES AND REGULATED FACILITIES, AND DATABASE RECORDS

This appendix describes:

- Known hazardous material sites and regulated facilities; and
- Federal, state and local databases and records.

L.1 Identified Hazardous Material Sites and Regulated Facilities

Table L-1 lists and describes all known hazardous material sites and regulated hazardous facilities within one mile of the proposed alternative segments. Table L-1 also identifies each site by reference map and latitude/longitude. Sites of concern that could present environmental consequences related to construction (excavation) activities are identified with an asterisk.

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
Map 1 of 11 (Along North Common Segment)						
1	Harvey Residence Underground Storage Tank (UST)	3439 Dyke Road	64°43'23.44"N	147°17'13.45"W	Permanently out of service UST	Closed
2	Chena Lakes Recreation Area	Chena Lakes, North Pole	64°44'0.97"N	147°15'51.99"W	Closed USTs and one active UST. Stained soil removed during UST closure.	Closed
3	MAT-SU, INC.	Mile 7.5 Old Richardson Highway	64°43'16.97"N	147°13'35.01"W	2,000-gallons diesel fuel spill from tank rollover. Contamination estimated at 17,000 square feet (sf). Contaminated snow and soil removed.	Closed
4	OIT, Inc.	Richardson Highway	64°43'18.96"N	147°14'5.07"W	Regulated facility handling hazardous and solid waste	Active
5	Sani-Klean Service Station, Former SKS Texaco	Richardson Highway (Moose Creek)	64°43'12.81"N	147°12'57.58"W	Former service station with history of releases. Five regulated USTs and two heating oil tanks were removed in 2004. Also 400-cubic yards (cy) of contaminated soil removed from the site. Identified for a Brownfield site assessment.	Active
Map 2 of 11 (Along North Common Segment)						
6	Moose Creek General Store	4402 Al Cory Drive (Moose Creek)	64°43'1.04"N	147°11'39.83"W	1990 water well samples with high benzene levels and strong chemical odor. Benzene found at 2,500 times the maximum contaminant level (MCL). Possible sources: Leaking USTs (LUSTs) or oil spills. Threat to human health is great. Extent of contamination is unknown. Alaska Department of Environmental Conservation (ADEC) institutional controls (ICs) in place.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
7	Moose Creek Bus Barn LUSTs and Heating Oil Tank (HOT)	4440 Moose Creek Avenue (Moose Creek)	64°43'0.77"N	147°11'15.16"W	Contaminated fuel found during removal of 2000-gal and 4000-gal gasoline USTs, and one non-regulated 500-gal buried HOT. Groundwater monitoring wells installed and water samples collected. ADEC ICs in place.	Closed
8	MP 20.3 Eielson Pipeline JP4 Release	Baker Road (Moose Creek)	64°43'1.30"N	147°10'29.09"W	Release of JP4 fuel discovered during building foundation excavation in 1980's. Soil and groundwater exceed ADEC cleanup levels for gasoline range organics (GRO), diesel range organics (DRO), and benzene, toluene, ethylbenzene and total xylenes (BTEX). ADEC ICs in place.	Active
Map 3 of 11 (Along Eielson Alternative Segment 3)						
9	Hazardous Waste (HW) Satellite Accumulation Point (SAP)	Arctic Avenue	64°41'5.72"N	147°5'30.88"W	Aircraft flight operations and maintenance, as well as installation maintenance, require storage and use of hazardous materials. Once containers of HW at a SAP are full, the SAP has 3 days to transfer the HW from the SAP to the base HW 90-day storage.	Active
10	Eielson Air Force Base (EAFB) 90-day HW Storage Facility	Flight Line Avenue	64°39'5.17"N	147°4'40.24"W	Following HW are stored for up to 90 days at facility: flammable and combustible liquids, include acids, corrosives, caustics, glycols, compressed gases, aerosols, batteries, hydraulic fluids, solvents, paints, pesticides, herbicides, lubricants, fire retardants, photographic chemicals, alcohols, and sealants.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
11	HW SAP	Central Avenue	64°41'6.52"N	147°5'45.75"W	HW SAP	Active
12	HW SAP	Flight Line Avenue	64°40'53.02"N	147°6'14.67"W	HW SAP	Active
13	HW SAP	Flight Line Avenue	64°40'46.65"N	147°6'5.45"W	HW SAP	Active
14	HW SAP	Flight Line Avenue	64°40'42.83"N	147°6'5.45"W	HW SAP	Active
15	HW SAP	Flight Line Avenue	64°40'35.33"N	147°6'5.45"W	HW SAP	Active
16	HW SAP	Flight Line Avenue	64°40'34.61"N	147°6'5.45"W	HW SAP	Active
17	HW SAP	Flight Line Avenue	64°40'34.09"N	147°6'5.45"W	HW SAP	Active
18	HW SAP	Flight Line Avenue	64°40'20.47"N	147° 4'49.73"W	HW SAP	Active
19	HW SAP	Arctic Avenue	64°40'32.63"N	147°4'50.95"W	HW SAP	Active
20	HW SAP	Flight Line Avenue	64°40'24.82"N	147°5'45.21"W	HW SAP	Active
21	HW SAP	Flight Line Avenue	64°40'12.06"N	147°5'35.30"W	HW SAP	Active
22	HW SAP	Flight Line Avenue	64°40'24.82"N	147°5'37.38"W	HW SAP	Active
23	HW SAP	Flight Line Avenue	64°40'24.82"N	147°5'38.63"W	HW SAP	Active
24	HW SAP	Flight Line Avenue	64°40'10.90"N	147°5'35.30"W	HW SAP	Active
25	HW SAP	Wabash Avenue	64°40'15.50"N	147°5'15.19"W	HW SAP	Active
26	Power Plant HW Accumulation Point (AP)	Division and Industrial Streets	64°40'18.57"N	147°4'36.62"W	EAFB requires that AP transfer HW waste to the 90-day facility within 30 days after first HW waste is deposited in a container to avoid exceeding the 90-day limit for the facility.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
27	HW SAP	Division Street and Central Avenue	64°40'13.91"N	147°4'45.04"W	HW SAP	Active
28	HW SAP	Division Street	64°40'9.06"N	147°4'58.80"W	HW SAP	Active
29	HW SAP	Division Street	64°40'8.09"N	147°4'58.80"W	HW SAP	Active
30	HW SAP	Division Street	64°40'8.09"N	147°5'1.22"W	HW SAP	Active
31	HW SAP	Flight Line Avenue	64°40'1.50"N	147°5'20.28"W	HW SAP	Active
32	HW SAP	Central Avenue	64°39'52.99"N	147°4'46.37"W	HW SAP	Active
33	HW SAP	Central Avenue	64°39'36.18"N	147°4'59.29"W	HW SAP	Active
34	HW SAP	Central Avenue	64°39'34.16"N	147°4'38.31"W	HW SAP	Active
35	HW SAP	Flight Line Avenue	64°39'21.87"N	147°4'54.07"W	HW SAP	Active
36	HW SAP	Flight Line Avenue	64°39'6.57"N	147°4'37.02"W	HW SAP	Active
37	HW SAP	E-7 and E-8 Complexes	64°39'1.10"N	147°4'21.73"W	HW SAP	Active
38	HW SAP	E-7 and E-8 Complexes	64°39'4.78"N	147°3'50.54"W	HW SAP	Active
39	HW SAP	E-7 and E-8 Complexes	64°39'1.10"N	147°4'21.73"W	HW SAP	Active
40	HW SAP	E-7 and E-8 Complexes	64°39'3.94"N	147°3'34.94"W	HW SAP	Active
41	HW SAP	E-7 and E-8 Complexes	64°39'4.04"N	147°3'29.16"W	HW SAP	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
42	EAFB (SER-2) (LF01) Landfill	West of Richardson Highway	64°39'10.45"N	147°5'53.60"W	Disposal of empty cans and 55-gallon drums; may have received waste oils, spent solvents, paint residues and thinners from 1950 to 1960. In 1992, 2,500 open drums were removed and disposed in the Fairbanks North Star Borough (FNSB) landfill. EAFB Site ICs in place and long term monitoring (LTM) of groundwater established.	Active
43	EAFB (OU-2) (ST11) Bakery	Central Avenue, South of Division	64°40'11.51"N	147°4'57.92"W	Groundwater and soil contaminated with diesel fuel; possibly released from spills and leaks from tanks at former bakery or former boiler house. Floating product was detected on water table. EAFB Site ICs in place and LTM established.	Active
44	EAFB (OU-2) (ST13) Hydrant System	Flight Line	64°39'2.47"N	147°4'42.83"W	Diesel and motor gasoline (MOGAS) from ruptured, leaking, or overfilled fuel bladders at E-4 refueling/defueling area. Bioventing and product recovery system installed in 1997 and operated continuously. EAFB Site ICs in place and LTM established.	Active
45	EAFB (OU-2) (ST18) Old Boiler Plant	Buildings 3405,3409,3411, 3386	64°40'10.37"N	147°4'49.52"W	Product floating on the water table found during construction activities; possibly from older boiler plant (Building 3405), which reportedly had a cesspool and drywell associated with it. EAFB Site ICs in place and LTM established.	Active
46	EAFB (SER-1) (DP29) Drum Burial	Central Avenue	64°41'59.27"N	147°6'43.67"W	Drum patch; drums removed.	Closed

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
47	EAFB (OU-1) (ST20) Refueling Loop	E-7, E-8 and E-9 Complexes	64°38'43.73"N	147°3'54.04"W	JP-4 fuel spills in the refueling area; also leaks of JP-4 fuel from UST piping. Bioventing system has treated the soil, but groundwater is still impacted. EAFB Site ICs in place and LTM established.	Active
48	EAFB (OU-1) (ST48) Power Plant	Division and Industrial Streets	64°40'18.57"N	147°4'35.02"W	GRO and DRO contamination in soil and groundwater from abandoned 3-inch pipeline near EAFB power plant. Bioventing system has treated soil south of Division street; soil to north is still in question. EAFB Site ICs in place and LTM established.	Active
49	EAFB (OU-3) (SS57) Bldg. 1206	Parking Lot at Flight Line Avenue and Division Street	64°39'58.11"N	147°5'26.62"W	Five USTs at Building 1207 plus a maintenance shed located at the northwest corner of the fire station are believed to be the primary sources of solvent contamination in soil and groundwater. EAFB Site ICs in place and LTM established.	Active
50	EAFB (SER-2) (ST58) Old Quartermaster Station	Wabash Avenue and Division Street	64°40'9.57"N	147°5'13.72"W	Possible releases from above-ground storage tanks (ASTs). In 1993 approximately 700 cy were removed from an excavation for use in an ex-situ composting project. EAFB Site ICs and LTM in place.	Active
51	EAFB (OU-2) (DP26) T300 Sludge Pit	Flight line and Hazmat Yard	64°39'5.65"N	147°4'41.70"W	Fuel in weathered sludge from periodic fuel storage tank cleaning, buried in pit. Site is undergoing active remediation via bioventing since 1997. EAFB Site ICs in place and LTM established.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
52	EAFB (SER-1) (DP28) Fly Ash	Industrial Avenue and Quarry Road	64°39'40.80"N	147°4'0.48"W	Fly ash from Central Heating and Power Plant was deposited in a nearby gravel pit. Site not currently in use.	Closed
53	EAFB (SER-2) (WP32) Sewage Treatment Plant	Central Avenue and Transmitter Road	64°41'42.95"N	147°6'55.63"W	Ponds provide additional contact time for chlorination of primary treated effluent; also serve as diversion ponds for petroleum, oil and lubricant (POL) spills; major spill of unknown industrial chemical or solvent reported 1975. LTM established.	Active
54	EAFB (OU-4) (SS37)	Asphalt Mixing Area	64°39'16.80"N	147°4'40.46"W	Mixing area for asphalt and staging area for road oiling; possible leaks from tanks containing tar and asphalt emulsion, waste oil and contaminated fuel; drums of waste oil, diesel fuel, JP-4 and PD-680. LTM established.	Active
Map 4 of 11 (Along Eielson Alternative Segment 3)						
55	EAFB (OU-4) (SS39)	South of Richardson Highway	64°40'34.40"N	147°7'9.04"W	Asphalt emulsion leaked from several hundred rusted drums over 1 acre area; drums and miscellaneous debris embedded in soft tar to depth of 6-12 inches. EAFB Site ICs in place and LTM established.	Closed
56	EAFB (SER-1) (FT08)	Central Avenue	64°42'11.96"N	147°7'35.83"W	Source may have been used as a fire training area in the past (1948-55). B-29 submerged in lake. LTM established.	Closed
57	EAFB (OU-3) (WP45) Photo Lab	Flight Line Avenue and Division Street	64°40'8.10"N	147°5'27.63"W	Photo chemicals discharged to dry well; trichloroethylene, benzene, and other solvents present in groundwater. EAFB Site ICs in place and LTM established.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
58	EAFB (OU-3) (DP44) Battery Shop	Near Building 1140	64°40'39.39"N	147°6'1.31"W	Battery shop solvents possibly drained to leach fields. EAFB Site ICs in place and LTM established.	Active
59	EAFB (OU-1) (ST49) Bldg. 1300	Combat Alert Hangar	64°38'46.28"N	147°4'33.67"W	Diesel fuel generator discharged through floor drains in combat alert hanger complex to septic system leach field. Free product in groundwater extending 300 feet northwards. EAFB Site ICs in place and LTM established.	Active
60	EAFB (SS67) Garrison Slough PCBs (Base-wide)	2258 Central Avenue	64°40'54.99"N	147° 5'18.05"W	Polychlorinated biphenyls (PCBs) were found in sediment and soil in Garrison Slough as well as in fish. Contaminated groundwater and surface runoff from site. Garrison Slough is a main drainage ditch at Eielson. EAFB Site ICs in place and LTM established.	Active
61	EAFB (OU-5) (LF03) Landfill	East of Hazmat Yard	64°39'14.41"N	147°4'1.34"W	General refuse; landfill received waste oils, spent solvents, paint residues and thinners, radioactive photographic chemicals; POL wastes burned during fire training. Contaminants of concern include BTEX and chlorinated solvents. EAFB Site ICs in place and LTM established.	Active
62	EAFB (SER-1) (LF05) Landfill	South of Runway	64°37'52.93"N	147°3'46.69"W	General refuse including scrap materials and empty drums and containers; probably received small quantities of waste oils and spent solvents. Landfill closed/capped. EAFB Site ICs in place and LTM established.	Closed

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
63	EAFB (SER-1) (ST12)	Building 2351 Bldg. 2351	64°41'1.80"N	147°5'35.36"W	5,000-gallon JP-4 fuel spill with majority contained within building, 100 gallons flowed outside building.	Closed
64	EAFB (SER-1) (SS42)	Along Central Avenue	64°41'35.27"N	147°6'0.38"W	Site used for burial of empty drums and containers; possibly small quantities of POL waste, including solvents, as residue in drums. LTM established.	Closed
65	EAFB (SER-1) (SS47)	Central Avenue and Com Parking Lot	64°40'49.54"N	147°5'33.63"W	Fuel contaminated soil in parking lot found at a depth of 9 feet in 1987; parking lot covers 150,000 square feet.	Closed
66	EAFB (SER-1) (SS30)	Near Hurley Gate Bldg. 2339	64°41'22.25"N	147°5'44.84"W	Formerly stored PCB containing materials including out-of-service transformers and capacitors, and PCB-contaminated soil and liquid from clean-up of PCB spill.	Closed
67	EAFB (SER-1) (SS31)	Warehouse Court Bldg. 3424	64°40'2.72"N	147°4'37.55"W	Formerly stored PCB containing materials including transformers and capacitors, and PCB-contaminated soil and liquid from clean-up of PCB spill. EAFB Site ICs in place and LTM established.	Closed
68	EAFB (OU-3) (SS61)	Vehicle Maintenance Shop (Building 3213)	64°40'7.38"N	147°5'3.75"W	Contaminated soil and groundwater in 3-acre area east and south of Building 3213 contains BTEX and chlorinated volatile organic compounds (VOCs) from disposal of shop wastewater into two drywells. Drywells removed, and LTM and ICs in place. EAFB Site ICs in place and LTM established.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
69	EAFB (OU-3) (SS64)	Transportation Maintenance Drum Storage Area	64°40'6.87"N	147°5'8.76"W	Drum storage area. EAFB Site ICs in place and LTM established.	Closed
70	EAFB (OU-4) (SS35)	Asphalt Mixing and Drum Burial Area	64°39'56.58"N	147°4'52.56"W	Asphalt mixing and drum burial area. EAFB Site ICs in place and LTM established.	Closed
71	EAFB (OU-4) (SS63)	Asphalt Lake Spill Site	64°40'25.40"N	147°7'17.16"W	"Asphalt Lake" spill site	Closed
72	EAFB (OU-5) (FT09)	Former Fire Training Area	64°39'9.07"N	147°4'0.73"W	Former fire training area in LF03. EAFB Site ICs in place and LTM established.	Closed
73	EAFB (SER-1) (SS41)	Central Avenue and Old Hobby Shop Quarry Road	64°39'21.84"N	147°4'43.29"W	Waste oil and contaminated fuel from 55 gallon drums; small quantities of industrial solvents	Closed
74	EAFB (WP34)	Near Main Gate and Quarry Road Sewage Treatment Plant	64°41'20.16"N	147°6'49.54"W	Sewage treatment plant	Closed
75	EAFB (WP33)	Near Main Gate and Quarry Road Sewage Treatment Waste Pond	64°41'19.16"N	147°6'49.54"W	19 acre effluent infiltration pond receiving treated liquid effluent from the wastewater treatment plant discharged into unlined pond.	Active
Map 5 of 11 (Along Eielson Alternative Segments 2 and 3)						
76	Residence - 7139 Old Richardson Hwy	7139 Old Richardson Highway (Salcha) HOT	64°35'22.87"N	147°4'22.85"W	DRO-contaminated soil found at 7.5 to 9.5 feet below ground surface in the vicinity of a partially buried HOT.	Closed

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
Map 6 of 11 (Along Salcha Alternative Segment 2)						
77	Nike Site Jig	Johnson Access Road (Salcha)	64°32'12.10"N	146°59'52.32"W	U.S. Army Corps of Engineers (USACE) conducted soil sampling under Formerly Used Defense Sites (FUDS) program. Found 45 cy of PCB contaminated soil and numerous incidental spills. ADEC ICs in place.	Active
78	Residence 6432 Richardson Highway HOT*	6432 Richardson Highway	64°31'34.93"N	146°59'22.37"W	Confirmed 1,200 gallon heating oil release from corroded leaking UST that was removed at the residence. Contaminated soil removal limited at western end of excavation by structures. Soil confirmation sample at western end of excavation had BTEX, GRO and DRO above cleanup levels. Over 500 gallons of product was removed from the culvert recovery well. Four soil stockpiles left onsite were thermally treated. ADEC ICs in place.	Active
Map 7 of 11 (Along Salcha Alternative Segment 2)						
79	Haines Fairbanks Pipeline (HFP) Mile 541.5*	Salcha River Crossing Gate Valve #67	64°28'11.38"N	146°56'8.85"W	HFP valve area on north side of Salcha River; contamination found in 2007. Extent unknown.	Active
80	HFP Mile 539*	Section 21, Township 9 South/Range 10 East (T9S/R10E), FM	64°28'11.38"N	145°45'52.40"W	Delta Alternative Segment 2 railbed right-of-way (ROW) parallels HFP in area with documented herbicide use in 1960's and undocumented releases.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
Map 8 of 11 (Along Salcha Alternative Segment 2)						
81	Harding Lake Micro Repeater	Milepost 322; Richardson Highway	64°24'22.49"N	146°57'6.14"W	A 4,000-gallon diesel UST was removed in 1990. Fuel contamination at the filler pipe area was discovered. About 80 cy of soil was removed and stockpiled onsite. Subsequent total petroleum hydrocarbon (TPH) analysis indicated that the excavation pit is below cleanup guidelines.	Closed
Map 9 of 11 (Along Delta Alternative Segment 2)						
82	HFP Mile 538.5 to Mile Sections 22 and 27, 536.5 (section-wide)*	T9S/ R10E, FM	64° 6'47.84"N	145°45'43.99"W	Delta Alternative Segment 2 railbed ROW parallels HFP in area with 1960's herbicide use and undocumented releases.	Active
83	HFP Mile 536.5 to Mile Sections 26 and 35, 535 (section-wide site)*	T9S/R10E, FM	64° 5'49.11"N	145°45'6.44"W	Delta Alternative Segment 2 railbed ROW parallels HFP in area with documented herbicide use in 1960's and undocumented releases.	Active
84	HFP Mile 535 to Mile 534 (section-wide)*	Sections 34and 35 T10S/R10E, FM	64° 4'14.10"N	145°43'16.28"W	Delta Alternative Segment 2 railbed ROW parallels HFP. 1960's documented herbicide use and undocumented POL releases.	Active
Map 10 of 11 (Along Delta Alternative Segment 1)						
85	Delta Jct. Micro Repeater	Milepost 1422; Alaska Highway	64° 2'16.07"N	145°43'38.43"W	During removal of four USTs in 1989, about 50 cy of contaminated soil was stockpiled. Excavation sidewalls and bottom were clean. Contaminated soils spread onsite.	Closed

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
86	Alaska Department of Transportation & Public Facilities (ADOT&PF) Delta Junction Maintenance Camp	MP 265.5 Richardson Highway; Corner of Alaska and Richardson Highways	64° 2'15.96"N	145°44'1.91"W	A 3000-gallon heating oil UST was removed in 1992; 130 cy of contaminated soil also was removed and stockpiled onsite. Contaminated soil exceeding ADEC cleanup levels remained beneath the building. In 1998, three more USTs were removed; 2,950 mg/kg DRO and 0.088 mg/kg benzene contamination were detected at the bottom of the excavation. ADEC ICs in place.	Cond. closure
87	ADOT&PF Delta Maintenance Facility	Richardson Highway (Delta Junction)	64° 1'48.77"N	145°43'51.44"W	Removal of 3,000 gallon HOT resulted in the excavation of 135 cubic yards of soil. Stockpile was approved for use in a non-environmentally sensitive area. ADEC ICs in place.	Cond. closure
Map 11 of 11 (Along Delta Alternative Segments 1 and 2)						
88	HFP Mile 534 to Mile 531.8 (section-wide site)*	Sections 11, 12 and 15, T10S/ R10E, FM	64° 2'50.47"N	145°41'21.49"W	Delta Alternative Segment 2 railbed ROW parallels HFP in area with documented herbicide use in 1960's and undocumented releases.	Active
89	HFP Mile 531.8 to Mile 530.5 (section-wide site)*	Section 19 T10S/R10E and Section 24, T10S/ R11E, FM	64° 1'50.00"N	145°40'37.04"W	Delta Alternative Segment 2 railbed ROW parallels HFP in area with documented herbicide use in 1960's and undocumented releases.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
90	HFP Ft Greely Pump Station and Terminal Mile 528.5*	Sections 25 T10S/R10E and Section 30 T10S/R11E, FM	64° 1'27.42"N	145°40'20.00"W	Investigation of terminal and pump station underway by U.S. Army as an active U.S. Department of Defense (DoD) installation. Documented past practices for purging fuels between different runs and documented releases indicate extensive soil and groundwater contamination.	Active
91	HFP Mile 530 to Mile 529 (section-wide site)*	Section 29, 30 and 32, T10S/R11E , FM	64° 1'11.12"N	145°39'12.91"W	Delta Alternative Segment 1 railbed ROW parallels HFP in area with documented herbicide use in 1960's and undocumented releases.	Active
Maps 1,2, 3, 4, 5, 6, 7, 9, 10 and 11 of 11 (Along North Common Segment, Eielson Alternative Segment 2, Eielson Alternative Segment 3, Salcha Alternative Segment 2, Delta Alternative Segment 1, and Delta Alternative Segment 2)						
92	Alaska-Canadian (ALCAN) Highway construction camps (Project-wide orphan site[s])	Project-wide	N/A	N/A	FUDS investigation of ALCAN Highway construction camps from 1940's underway. Anecdotal information on disposal practices suggests potential for contaminated sites.	Active

**Table L-1
Known Hazardous Material Sites and Regulated Facilities Within 1 Mile of the Rail ROW (continued)**

Map No.	Name	Address	Longitude	Latitude	Notes	Status
---------	------	---------	-----------	----------	-------	--------

Notes:

* Indicates sites that present a high risk of environmental consequences related to construction (excavation) activities.

EAFB Institutional Controls (ICs) include:

- Prohibition on the installation or use of drinking water wells
- All monitoring wells are secured with locks
- Any activity that may result in exposure to contaminated soil and groundwater requires approval of Civil Engineering Squadron/Environmental Flight (CES/CEV)
- Contaminated soil/groundwater removed from the source must be disposed of or treated in accordance with regulation
- Any activity disturbing a remedial action requires approval of CES/CEV
- Notify ADEC and U.S. Environmental Protection Agency of any proposal to change the existing land use or land use controls at the site.

ADEC Institutional Controls include:

- Site added ADEC Contaminated Sites Database identifying the nature and extent of contamination remaining onsite.
- In accordance with 18 AAC 78.274(b) OR 18 AAC 75.370(b), ADEC approval must be obtained prior to removal and/or disposal of soil or groundwater from this site to an offsite location.

Active Risk sites include:

- Sites within the ROW where potential contamination remains or is suspected and where excavations for railbed cuts, separated crossings, retaining walls and embankments may occur.
- Sites within 1 mile of route alternatives where contamination remains or is suspected and there are no land restrictions or ICs for borrow pit development.

L.2 Federal, State and Local Databases and Records

Table L-2 summarizes Federal, state, and local databases that were reviewed to identify known contaminated sites within the project area. Table L-2 also lists the regulatory agencies responsible for oversight and their administrative programs.

**Table L-2
Database and Records Reviewed**

Database/Records	Agency/ Program	Source/ Release Date	Description
Federal Records			
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	USEPA/ Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), also known as Superfund	http://www.USEPA.gov/superfund/sites/npl/ak.htm (11/27/07)	USEPA's computerized inventory of potential hazardous substance release sites.
National Priority List (NPL)	USEPA/ Superfund	http://www.USEPA.gov/superfund/sites/npl/ak.htm (11/27/07)	Subset of CERCLIS of 1,200 sites identified for priority cleanup under the Superfund program.
NPL sites with Record of Decisions (RODs) documentation	USEPA/ Superfund	http://yosemite.USEPA.gov/R10/CLEANUP.NSF/0/5583e4d056ffb3e08825650d004f1d2d?OpenDocument (5/22/06)	Lists sites with RODs (mandated permanent cleanup remedies containing technical & health information to aid in cleanup).
CERCLA Consent Decrees	USEPA/ Superfund	http://yosemite.USEPA.gov/R10/CLEANUP.NSF/0/5583e4d056ffb3e08825650d004f1d2d?OpenDocument (5/22/06)	Lists Superfund (CERCLA) sites where cleanup by owners has been negotiated with the USEPA resulting in a Consent Decree
Proposed NPL sites	USEPA/ Superfund	http://www.USEPA.gov/superfund/sites/npl/ak.htm (11/27/07)	Lists a subset of CERCLIS sites undergoing evaluation to determine if they should be listed for priority cleanup under Superfund.
NPL Liens	USEPA/ Superfund	http://www.USEPA.gov/superfund/sites/npl/ak.htm (11/27/07)	Lists NPL sites with superfund liens held against them by the USEPA

**Table L-2
Database and Records Reviewed**

Database/Records	Agency/ Program	Source/ Release Date	Description
Delisted NPL sites	USEPA/ Superfund	http://www.USEPA.gov/superfund/sites/npl/ak.htm (11/27/07)	Lists sites deleted from the NPL due to cleanup or USEPA finding of no harm to environment or human health exists.
NPL sites with Engineering Controls and/or with Institutional Controls	USEPA/ Superfund	http://www.USEPA.gov/superfund/sites/npl/ak.htm (11/27/07)	Lists NPL sites with engineering controls in place.
Resource Conservation & Recovery Act (RCRA) Info database.	USEPA/ RCRA	http://www.USEPA.gov/enviro/html/em/index.html and http://yosemite1.USEPA.gov/R10/OWCM.NSF/webpage/homUSEPAge/ (3/12/06)	Information on sites generating, storing, transporting, treating and/or disposing of RCRA-defined hazardous waste.
CORRACTS list.	USEPA/ RCRA	http://www.nv.blm.gov/lvdiseis/docs/EIS/Appendix%20D%20%20Environmental%20Database.pdf (9/17/03)	Corrective action list of non-compliance in generating, transporting, treating, storing, disposing hazardous waste
Open Dump Inventory (ODI)	USEPA/ RCRA	http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=6269222 (1/21/08)	Lists open dumps on Federal lands
Emergency Response Notification System (ERNS)	USEPA/ National Reporting Center (NRC)	www.nrc.uscg.mil/wdbcgi/wdbcg.andEDR (12/31/02)	Stores information from all Federal agencies on releases of oil & hazardous substances in a standardized format.
Hazardous Material Information Resource System (HMIRS)	DoD/ Defense Logistics Agency (DLA)	http://www.dec.state.ak.us/spar/csp/DoD_sites.htm#fuds (1/21/08)	Central repository for Material Safety Data Sheets (MSDS) for U.S. military services, civil agencies and contractors.
DoD Sites/ U.S. Army, U.S. Air Force, U.S. Navy and Defense Energy Support Center	USEPA	http://www.dec.state.ak.us/spar/csp/DoD_sites.htm#fuds (1/21/08)	Lists active DoD sites with known contamination by the primary Federal agency responsible for oversight

**Table L-2
Database and Records Reviewed**

Database/Records	Agency/ Program	Source/ Release Date	Description
Formerly Used Defense Sites (FUDS)	DoD/ USACE	http://www.poa.usace.army.mil/fuds/index.htm (1/09/08)	Lists properties formerly operated by DoD containing hazardous, toxic, or radioactive wastes in soil or groundwater.
US Brownfields	USEPA/ Brownfields	http://www.brownfieldstsc.org/ (1/21/08)	Lists properties where redevelopment or reuse may be complicated by the presence or potential presence of a contamination.
Superfund (CERCLA) Consent Decrees	U.S. Department of Energy (DOE)/ Office of Environmental Management	http://www.em.doe.gov/StatePages/AK (1/21/08)	Superfund (CERCLA) Consent Decrees
DOE Legacy Management (LM)	USEPA/ Toxic Release Inventory (TRI)	http://www.energy.gov/environment/index.htm (1/9/08)	Lists sites associated with the legacy of the nation's nuclear weapons program or other USDOE research and development activities.
Toxic Release Inventory System	USEPA/ TSCA	http://www.USEPA.gov/tri/ (8/31/07)	Provides annual information on toxic chemical releases & other waste management activities by certain industry groups & Federal facilities

**Table L-2
Database and Records Reviewed**

Database/Records	Agency/ Program	Source/ Release Date	Description
State Records			
ADEC/Division of Spill Prevention and Response (ADEC/SPAR) Contaminated Sites Program (CSP) DoD contaminated sites database	ADEC/CSP	http://www.dec.state.ak.us/spar/csp/DoD_sites.htm#fuds and http://www.dec.state.ak.us/spar/csp/sites/eielson.htm (1/21/08)	Interactive Web site tracks, lists and describes DoD facilities containing contaminated sites. This includes sites listed as Formally Used Defense Sites (FUDS) plus active US Air Force and U.S. Army sites
ADEC CSP Contaminated Sites and Leaking Underground Storage Tanks (LUST) database	ADEC/CSP	http://info.dec.state.ak.us/SPAR/CSP/Search/csites_search.asp (1/19/08)	Interactive Web site tracks, lists and describes all reported contaminated sites and LUSTs
ADEC CSP Voluntary Cleanup Program (VCP) and Institutional or Engineering Controls (ICE) database	ADEC/CSP	http://info.dec.state.ak.us/SPAR/CSP/Search/csites_search.asp (1/19/08)	Interactive Web site tracks, lists and describes all contaminated in the VCP and/or containing ICE.
ADEC CSP Regulated Underground Storage Tank (UST) and Aboveground Storage Tank (AST) database	ADEC Industry Preparedness Program	http://www.dec.state.ak.us/spar/ipp/ust/search/default.htm (1/19/08)	Interactive Web site tracks, lists and describes all active, inactive and closed USTs and ASTs.
Solid Waste Landfills (SWL)	ADEC Division of Health, Solid Waste Program (SWP)	http://www.dec.state.ak.us/eh/sw/index.htm (1/10/08)	Interactive Web site tracks, lists and describes all active and closed regulated landfills by region and disposal permit. Also list known unregulated landfills.