

PHASE I ENVIRONMENTAL SITE ASSESSMENT

First Student, Inc. #20218B
4443 Claude Street
Moose Creek, Alaska 99705

Prepared for:

First Student, Inc.
600 Vine Street, Suite 1400
Cincinnati, Ohio 45202

Prepared by:

Strata Environmental Services, Inc.
110 Perimeter Park Road, Suite E
Knoxville, Tennessee 37922

September 2021



TABLE OF CONTENTS

COMMON ACRONYMS AND ABBREVIATIONS	iii
SECTION 1.0 INTRODUCTION AND EXECUTIVE SUMMARY	1
1.1 Purpose.....	1
1.2 Findings and Conclusions.....	1
1.3 Non-Scope Considerations.....	2
SECTION 2.0 PROPERTY DESCRIPTION	3
2.1 Current Uses of the Property.....	3
2.2 Current Uses of the Adjoining Properties	4
SECTION 3.0 RECORDS REVIEW	5
3.1 Historical Use Information	5
3.1.1 The Property	5
3.1.2 Adjoining Properties.....	6
3.2 Environmental Records Information	6
3.3 Additional Records	7
SECTION 4.0 PROPERTY RECONNAISSANCE	8
4.1 Hazardous Substances and Petroleum Products.....	8
4.2 Storage Tanks.....	8
4.2.1 Aboveground Storage Tanks.....	8
4.2.2 Underground Storage Tanks	9
4.3 Solid and Hazardous Waste	9
4.4 Polychlorinated Biphenyls (PCBs) and Oil-Filled Equipment.....	9
4.5 Air Emissions	9
4.6 Storm Water and Wastewater	9
4.7 Asbestos-Containing Materials	10
SECTION 5.0 INTERVIEWS AND USER-PROVIDED INFORMATION	11
5.1 Interviews	11
5.2 User Provided Information	11
5.2.1 Environmental Cleanup Liens or Activity and Use Limitations (40 CFR 312.25, 312.26)	11
5.2.2 Specialized Knowledge or Experience (40 CFR 312.28)	11
5.2.3 Valuation Reduction for Environmental Issues (40 CFR 312.29)	12
5.2.4 Commonly Known or Reasonably Ascertainable Information (40 CFR 312.30)	12
5.2.5 Obvious Indicators of Contamination (40 CFR 312.31).....	12
SECTION 6.0 SOURCES	13
SECTION 7.0 SCOPE AND LIMITATIONS.....	14
7.1 Purpose.....	14
7.2 Scope of Services.....	14
7.3 Significant Assumptions.....	14
7.4 Limitations and Exceptions	14
7.5 Special Terms and Conditions	15
7.6 User Reliance	15
7.7 Data Gaps and Deviations.....	15
7.8 Signatures of Environmental Professional(s)	16
7.9 Qualifications of Environmental Professionals.....	16



APPENDICES

Appendix A – Figures

Appendix B – Photographs

Appendix C – Historical Research Documentation

Appendix D – Regulatory Records Documentation

Appendix E – Qualifications



COMMON ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Description
AAI	All Appropriate Inquiry
ACM	Asbestos-Containing Material
AST	Aboveground Storage Tank
bgs	Below Ground Surface
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS-NFRAP	Comprehensive Environmental Response, Compensation, and Liability Information System – No Further Remedial Action Planned
CORRACTS	Corrective Action Report
ECHO	Enforcement & Compliance History Information
EDR	Environmental Data Resources, Inc.
EDR MGP	EDR Manufactured Gas Plant – Suspected coal gas plants operating from the 1800s to 1950s to produce gas using whale oil, rosin, coal, or a mixture of coal, oil, and water.
EDR Hist Auto	EDR Historic Auto Gas Stations – Suspected gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.
EDR Hist Cleaner	EDR Historic Dry Cleaner – Suspect dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.
ENG CONTROLS	Engineering Controls
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
FINDS	Facility Index System/Facility Registry System
HIST	Historical
HMIRS	Hazardous Materials Incident Reporting System
HWS	Hazardous Waste Site
INST CONTROL	Institutional Controls
LUST	Leaking Underground Storage Tank
MANIFEST	Hazardous Waste Manifest
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
OSHA	Occupational Health and Safety Administration
RCRA-CESQG	Resource Conservation Recovery Act – Conditionally Exempt Small Quantity Generator
RCRA-LQG	Resource Conservation Recovery Act – Large Quantity Generator
RCRA NonGen/NLR	Resource Conservation Recovery Act – Non Generators/No Longer Regulated
RCRA-SQG	Resource Conservation Recovery Act – Small Quantity Generator
RCRA-TSDF	Resource Conservation Recovery Act – Treatment Storage and Disposal
RGA	Recovered Government Archives
SHWS	State Hazardous Waste Site
SWF/LF	Solid Waste Facility/Landfill
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program



SECTION 1.0 INTRODUCTION AND EXECUTIVE SUMMARY

First Student, Inc., (First Student) authorized Strata Environmental Services, Inc. (Strata) to conduct a Phase I Environmental Site Assessment (ESA) of the real property, physical plant, and operations of First Student, Inc. #20218B, 4443 Claude Street, Moose Creek, Fairbanks North Star Borough, Alaska (the Property). First Student owns the Property. Mr. Paul Platillero, Strata, conducted the site reconnaissance on August 17, 2021, and fulfilled other necessary research, interviews, and reviews. Mr. Skeet Styer, First Student (Delta Junction) Maintenance Manager, and Ms. Susan Kirkpatrick, First Student Senior Environmental Project & Program Manager, (Site Contacts) provided knowledge of the uses and physical characteristics of the Property.

1.1 Purpose

The primary purpose of the Phase I ESA is to identify recognized environmental conditions (RECs) in connection with the Property in conformance with American Society for Testing and Materials (ASTM) Practice E1527-13, and the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312). ASTM defines REC as the “presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release [as defined by CERCLA 42 U.S.C. § 9601] to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.” RECs in connection with a property include the presence and/or migration of hazardous substances or petroleum products in any form including solid and liquid at the surface or subsurface, and vapor in the subsurface. The definition of an REC does not include de minimis conditions that generally do not present a material risk of harm to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The Phase I ESA also serves to identify any known or suspect controlled recognized environmental conditions (CRECs), or historical recognized environmental conditions (HRECs) in connection with the Property. ASTM defines CREC as an “REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by the regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.” ASTM defines an HREC as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority (using current criteria), or meeting unrestricted use criteria established by the regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)”.

1.2 Findings and Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527 of First Student, Inc. #20218B, 4443 Claude Street, Moose Creek, Fairbanks North Star Borough, Alaska,



the Property. Any exceptions to, or deletions from, this practice are described in Sections 2 through 5 of this report. Strata identified no RECs, CRECs, or HRECs in connection with the Property, except for the following:

- Alaska Department of Environmental Conservation (ADEC) environmental regulatory records list the Property as a Leaking Underground Storage Tank (LUST) site and State Hazardous Waste Site (SHWS) due to historical releases of petroleum products. According to ADEC records, petroleum cleanup was initiated when one 4,000-gallon gasoline underground storage tank (UST), one 2,000-gallon gasoline UST, and one 500-gallon heating oil buried (nonregulated) underground tank were closed and removed from the Property in 1991. A Corrective Action Plan (CAP) was prepared, approved, and implemented with ADEC oversight as part of the closure. All confirmatory sample results were below ADEC cleanup levels except the arsenic level in one soil sample (yet within the background levels for the Fairbanks area: 5.6 mg/kg). ADEC issued a No Further Action letter (NFA) on December 16, 2004, after completion of the CAP. Based on the 2004 NFA, the mitigated historical presence of petroleum products associated with UST releases on the Property is an HREC.
- Historical releases of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) at nearby United States Air Force (USAF) Eielson Base, documented in ADEC records and reported by Site Contacts, have impacted groundwater on the Property at concentration levels above United States Environmental Protection Agency (USEPA) lifetime health advisory levels, which led to the establishment of a Critical Water Management Area (CWMA) including the Property and Moose Creek Community. The CWMA required an environmental response project pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, Superfund). The USAF, USEPA, and ADEC established an Activity and Use Limitations (AUL) for the Property because of groundwater impacts to prohibit access to and use of and protect against exposure to contaminated groundwater. First Student agreed to the Environmental Covenant and Right of Access and Water Transition Agreement (Environmental Covenant), which was recorded in the Fairbanks Recorder's office. Therefore, contaminated groundwater on the Property is a CREC.

1.3 Non-Scope Considerations

In addition to the requirements of ASTM and AAI, the user may investigate certain environmental issues beyond the scope of E1527 (e.g., non-scope considerations, additional aspects). These include asbestos-containing material (ACM); radon and naturally occurring radioactive material (NORM); lead-based paint; wetlands; endangered species; electromagnetic fields; lead in drinking water; obvious mold, fungi, and microbial growth; workplace-related environmental incidents; non-REC actual or potential environmental investigation or litigation; and general compliance with applicable federal, state, and local environmental regulations as well as potential new laws or regulations, which may result in significant impact to the Property or cost.

As requested by the client, Strata investigated the additional aspect, ACM, at the Property. Strata's findings from the investigation of additional aspects are discussed in Section 4.7.



SECTION 2.0 PROPERTY DESCRIPTION

The Property is in the census-designated place of Moose Creek, ~5 miles southeast of North Pole and ~17 miles southeast of Fairbanks, Alaska. Figure 1, Appendix A, shows the location and topographic features of the Property. Figure 2, Appendix A, presents property layout and surrounding land use. Appendix B includes photographs taken during the site reconnaissance. Table 1 summarizes Property information.

Table 1. Property Information

Feature	Description
Property size:	4.23 acres (4 lots)
Property shape:	Irregular
Legal description:	Property Assessor Number (PAN) 515701; Parcel Numbers 142549, 142557, 142565, 142573, as recorded with Fairbanks North Star Borough Assessor
Property topography:	Relatively flat
Groundwater flow:	Inferred southwest toward Tanana River
Surface water features:	None
Building description and use:	Large vacant single-story building formerly used for bus parking, maintenance garage (Shop), and administration (Office)
Building size:	~30,000 square feet (ft ²)
Building age:	48 years (1973)
Building construction:	Steel frame with insulated metal siding walls and roof; concrete slab-on-grade floor
Other structures:	None
Heating system(s):	Office – heating oil-powered central heating system Maintenance– heating oil ceiling heaters
Cooling system(s):	None
Landscaped or unimproved areas:	No landscaped areas; wooded area along east side
On-site roads/ parking/paved areas:	Employee and bus parking lots south and west of building
Potable water source:	Town of North Pole
Wells on-site:	One groundwater monitoring well (historical sampling)
Sanitary sewer:	Septic system
Storm sewer:	Moose Creek municipality
Zoning:	Agricultural and Commercial

2.1 Current Uses of the Property

The facility was vacant and not in use at the time of the site reconnaissance.



2.2 Current Uses of the Adjoining Properties

The property vicinity is an area of mixed agricultural, commercial, and residential development. Table 2 summarizes current uses of adjoining properties, observed by Strata from property boundaries or reported by Site Contacts.

Table 2. Adjoining Properties

Direction	Occupant and/or Use	Potential Impact to the Property
North	Moose Creek Avenue and residential properties	None Likely
South	Old Richardson Highway; railroad tracks	None Likely
East	Residential and undeveloped areas	None Likely
West	Claude Street and Moose Creek General store and gas station	Potential for Impacts – Gasoline station and historical LUST site

Strata observed no evidence of environmental contamination (e.g., spills, stained soils, groundwater monitoring wells), pits, ponds, or lagoons at adjoining properties or other activities indicative of releases that could potentially impact the Property. Historical environmental records indicate the existing Moose Creek General store is listed as a closed leaking underground storage tank (LUST) site. See Section 3.1.2 for additional details.



SECTION 3.0 RECORDS REVIEW

3.1 Historical Use Information

Strata reviewed reasonably ascertainable, standard historical sources, including aerial photographs, historical topographic maps, and city street directories and interviewed the Site Contacts. Sanborn® fire insurance maps were not available for the Property.

3.1.1 The Property

Strata investigated past uses of the Property from the present back to its first developed use or 1940, whichever was earlier. Table 3 summarizes Property history. Appendix C provides historical research documentation.

Table 3. Property History

Time Period/Date	Occupant/Use	Source(s) of Information
Before ~1973	Undeveloped/Vacant	Aerial photographs, Property Assessor records
~1973 to ~2008	Joe & Mary Blackard, Mayflower Transit, Laidlaw/Bus maintenance, parking, fueling	Topographic maps, aerial photos, environmental records
~2009 to July 2021	First Student/School bus maintenance, parking, fueling	Site Contacts, First Student records reviewed
August 2021, to Present	First Student/Vacant	Site Contacts

ADEC environmental regulatory records list the Property as a LUST site and SHWS due to historical releases of petroleum products. According to ADEC records, petroleum cleanup was initiated when one 4,000-gallon gasoline UST, one 2,000-gallon gasoline UST, and one 500-gallon heating oil buried (nonregulated) underground tank were closed and removed from the Property in 1991. A CAP was prepared, approved, and implemented with ADEC oversight as part of the closure. The CAP included collecting soil samples and installing three temporary groundwater monitoring wells to collect groundwater samples. Soil and groundwater samples were analyzed for diesel range organics (DRO), gasoline range organics (GRO), and benzene, toluene, ethylbenzene, and xylenes (BTEX); soil in the former UST area was also analyzed for arsenic, cadmium, chromium, and lead. All sample results were below ADEC cleanup levels except the arsenic level in the one soil sample (yet within the background levels for the Fairbanks area: 5.6 mg/kg). ADEC issued an NFA on December 16, 2004, after completion of the CAP. Based on the 2004 NFA, mitigated presence of petroleum products associated with historical UST releases is an HREC.

Table 4 summarizes USTs historically located on the Property.



Table 4. Summary of USTs at the Property

Tank ID #	Contents	Capacity (gallons)	Location	Observations /Status/Comments
01	Gasoline	4,000	Unknown	Removed in 1991
02	Gasoline	2,000	Unknown	Removed in 1991
03	Heating oil (non-regulated)	500	Unknown	Removed in 1991

3.1.2 Adjoining Properties

Strata identified the potential for environmental contamination of the Property by historical activities on the west adjoining property from ADEC records. The Moose Creek General Store (MCGS) is listed as a closed LUST site. ADEC records indicate historical soil and groundwater impacts to the MCGS site; however, all remedial actions have been completed to the satisfaction of ADEC, and no further remedial action is required. Strata identified no evidence of direct contamination migration to the Property from historical releases from the Moose Creek General Store.

Historical releases of PFOS and PFOA from nearby USAF Eielson Base, documented in ADEC records and reported by Site Contacts, have impacted groundwater on the Property at concentration levels above USEPA lifetime health advisory levels, which led to the establishment of a CWMA including the Property and Moose Creek Community. The CWMA required an environmental response project pursuant to CERCLA. The USAF, USEPA, and ADEC established an AUL for the Property, because of groundwater impacts to prohibit access to and use of, and protect against exposure to, contaminated groundwater. First Student agreed to the Environmental Covenant, which was recorded in the Fairbanks Recorder’s office. Therefore, contaminated groundwater on the Property is a CREC.

3.2 Environmental Records Information

Strata evaluated available environmental regulatory records information prepared by Environmental Data Resources, Inc. (EDR). EDR searched (1) ASTM standard federal, state, and tribal environmental record sources; (2) reasonably ascertainable local records and/or additional federal, state, or tribal records provided to enhance and supplement the ASTM standard environmental record sources; and (3) EDR’s proprietary collection of potential historical auto stations, dry cleaners, and manufactured gas plants. Appendix D provides the EDR Radius Map Report (EDR Report), dated August 17, 2021. Table 5 summarizes facilities identified in the EDR Report for the Property and sites within the search radius of the Property and judged by Strata to be within a reasonable proximity to the Property.



Table 5. Summary of Environmental Records Information

Site Name Address Position to the Property	Database Listing(s)	Risk Posed to Property/Evaluation/Comments
Mat-Su/Moose Creek Bus Barn 343 Moose Creek/4440 Moose Creek Ave. Target Property	SHWS (2), LUST (2)	Confirmed impact to the Property – See Section 3.1.1
Moose Creek General Store 4402 Al Cory Dr. 0.063 mile west	LUST, SHWS, UST, AK Financial Assurance 1	None Likely – See Section 3.1.2; downgradient
Eielson USAF Base RR R/W – MP 20.3 0.575 mile southeast	FUDS, SHWS, INST CONTROL	Confirmed impact to the Property – See Section 3.1.2

Strata judged all other listings in the EDR Report for sites within the search radius, including those on the unmappable orphan site listing (sites that could not be mapped due to inaccurate or insufficient address data), to be hydrologically crossgradient or downgradient, a sufficient distance away, and/or hydrologically separated from the Property and deemed them not a significant environmental risk to the Property. Except as discussed in Table 5, Strata discovered no evidence for likely impact to the Property from hazardous substances or petroleum products from the Property or surrounding properties.

3.3 Additional Records

According to ASTM E1527-13 Section 8.2, pertinent regulatory agency files and/or records from an alternative source should be reviewed if the Property or any adjoining property is identified on one or more of the standard federal, state, or tribal environmental record sources as listed in Section 8.2.1 of the ASTM standard. Strata accessed and relied on the ADEC online record access program, which stores data and information for sites (regulatory communication with responsible parties, regulatory actions, and records of decision) regulated by ADEC. These include cleanup sites (LUSTs, Brownfields, state hazardous waste sites, etc.), and permitted facilities (USTs, RCRA generators, NPDES, etc.). In addition, Strata completed a Public Records Request form to obtain additional environmental records from ADEC. ADEC provided Strata with a copy of the December 16, 2004, NFA letter for the Property. Site Contacts also provided records regarding the Environmental Covenant.



SECTION 4.0 PROPERTY RECONNAISSANCE

Strata interviewed the Site Contacts and inspected the Property to evaluate property uses, activities, procedures, and practices. The site reconnaissance included an inspection of the interior and exterior of structures and property grounds. Access was provided to all areas considered necessary to perform this assessment. Strata encountered no limiting conditions.

4.1 Hazardous Substances and Petroleum Products

Strata observed hazardous substances and/or petroleum products on the Property, including automotive lubricants (motor oil, antifreeze, and fluid washer) in 55-gallon drums in the former Shop. Strata observed de minimis quantities of maintenance and cleaning materials in other designated areas of the building. All storage containers appeared to be in good condition and adequately contained.

Strata observed no stressed vegetation, discolored or stained soil or pavement, areas of corrosion, pools of liquid, or other signs of historical spills, releases, or environmental damage related to the use, handling, or storage of hazardous substances or petroleum products on the Property, and the Site Contacts reported no such incidences. Based on site reconnaissance and information from the Site Contacts, Strata discovered no evidence for significant contamination of the Property from the use, handling, or storage of hazardous substances or petroleum products (see Section 3.1.1 respecting historical releases).

4.2 Storage Tanks

Strata used visual inspection and standard data sources to identify storage tanks on the Property.

4.2.1 Aboveground Storage Tanks

Table 6 summarizes ASTs on the Property.

Table 6. ASTs on the Property

Contents	Capacity (gallons)	Tank Construction	Location
Diesel	5,000	Double-wall steel tank with continuous monitoring	Outdoors, property boundary ~280 feet east of building (dispenser south of AST)
Motor oil	275	Single-wall steel with steel containment	Former Shop
Heating oil	650	Double-wall steel tank	Outdoors, main building north side
Heating oil	650	Double-wall steel tank	Outdoors, main building south side
Used oil	275	Single-wall steel tank without containment	Outdoors, Property east side; (empty)

Strata observed no evidence of AST leaks or releases. Environmental regulatory records information and Site Contact interviews revealed no reports of releases from ASTs at the Property. Strata identified no issues regarding potential impact from ASTs to the environmental condition of the Property.



4.2.2 Underground Storage Tanks

Strata identified no evidence of USTs on the Property. Strata observed a groundwater monitoring well, evidence of prior groundwater investigations on the Property. Based on historical information, at least three USTs have been removed from the Property. See Section 3.2.1 for discussion regarding historical USTs on the Property.

4.3 Solid and Hazardous Waste

Strata interviewed the Site Contact and surveyed the Property to evaluate solid wastes generated on the Property. Strata observed, and the Site Contacts reported, no solid or hazardous waste generation or disposal (i.e., dumping or burying) on the Property. Refer to Section 3.1.1 for discussion relative to hazardous wastes formerly generated at the Property. Based on observations, Strata discovered no evidence for significant contamination of the Property from the generation, handling, disposal, or storage of solid or hazardous wastes.

4.4 Polychlorinated Biphenyls (PCBs) and Oil-Filled Equipment

Because of nonflammable characteristics, polychlorinated biphenyls (PCBs) may be found in oil-filled electrical equipment such as transformers, capacitors, switches, compressors, and heat transfer equipment. U.S. EPA regulation 40 CFR, Part 761 identifies three categories for classifying electrical equipment: less than 50 ppm of PCBs, "Non-PCB"; between 50 and 500 ppm, "PCB-Contaminated"; and greater than 500 ppm, "PCB." PCBs can also be found in hydraulic lift systems, such as vehicle lifts, hoists, and elevators. Strata inspected the Property for the presence of liquid-cooled electrical and hydraulic equipment, which could be potential sources of PCBs and/or petroleum impacts to the Property.

Strata observed no transformers or other potential sources of PCBs on the Property. Strata identified no issues regarding potential impact of PCBs to the environmental condition of the Property.

4.5 Air Emissions

Based on observed and reported activities, Strata identified no active air emissions sources at the Property. Strata identified no issues relating to odors or fumes from facility operations, and Site Contacts reported no historical or current complaints from neighbors or regulatory agencies. Strata identified no issues regarding air emissions.

4.6 Storm Water and Wastewater

Storm water runoff from roof drains and parking lots on the Property flows overland to low areas of the Property and discharges mostly as sheet flow, non-point source runoff around the perimeter of the Property. Strata observed a drainage ditch along the north side of the Property, parallel to Moose Creek Avenue. Strata observed no sheens or other signs of contamination associated with storm water drainage features and identified no issues related to storm water.



Sanitary wastewater is discharged from the facility into an on-site septic system. Strata observed the August 2021 installation of a new 1000-gallon capacity septic tank system and 500-square-foot drain field, replacing a deteriorated steel tank and obstructed leach field. Strata observed no petroleum products or hazardous materials in, or around, the soil pit and excavated materials during the septic tank system replacement. The city of North Pole installed municipal potable water to the Property, removed the existing aboveground potable water tank, and closed the existing (nonpotable water) groundwater well in June 2021.

Strata observed no floor drains in the Shop and identified no issues regarding potential impact of wastewater to the environmental condition of the Property.

4.7 Asbestos-Containing Materials

Strata inspected the facility for, and interviewed the Site Contacts about, the presence of suspect ACM. Suspect ACM is any material that could potentially contain asbestos, based on age and physical appearance. Certain suspect ACM may or may not be regulated under the Asbestos Hazard Emergency Response Act (AHERA), the National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation, or the Occupational Safety and Health Administration (OSHA) regulations. The inspection was designed to identify the potential presence of suspect ACM in readily accessible and visible locations and did not include dismantling permanent structures. The inspection was not intended as an asbestos survey or to identify all suspect ACM at the facility. Based on observations of the site building and construction of the building, Strata identified no suspect ACMs, and none are expected to be present at the facility. Strata identified no issues regarding asbestos.



SECTION 5.0 INTERVIEWS AND USER-PROVIDED INFORMATION

Strata conducted interviews and obtained information from the user as required by the AAI and ASTM standards to identify RECs in connection with the Property.

5.1 Interviews

Table 7 lists interviews Strata conducted with present owners and occupants. All information relating to the environmental condition of the Property revealed in the interviews is discussed in the report. Section 5.2 summarizes information provided by the user.

Table 7. Interviews

Date	Name	Title or Position	Organization
August 17, 2021	Skeet Styer	Maintenance Manager	First Student (Delta Junction)
September 8, 2021	Susan Kirkpatrick	Sr. Environmental Program and Projects Manager	FirstGroup
September 14, 2021	Evonne Reese	Environmental Program Specialist	Alaska Department of Environmental Conservation

5.2 User Provided Information

For Landowner Liability Protections (LLP) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the Brownfields Amendments), the user, defined by ASTM as the party on whose behalf the ESA of the Property is prepared, must provide certain information, if available. The user for this ESA is First Student, Inc. (the client). This section is based on a user questionnaire, which includes the key user-provided information necessary to meet the AAI standard.

5.2.1 Environmental Cleanup Liens or Activity and Use Limitations (40 CFR 312.25, 312.26)

The client is not aware of environmental cleanup liens against the Property filed or recorded under federal, tribal, state, or local law. However, the client was aware of the following AUL, such as engineering controls, land use restrictions, or institutional controls in place at the Property and/or filed or recorded in a registry:

- An Environmental Covenant, including AUL, which requires eliminating the use and exposure to groundwater from the Property, has been recorded in the Fairbanks Recorder's office because of groundwater contamination of PFOS and PFOA from the USAF Eielson Base. See Section 3.1.2 for additional information.

5.2.2 Specialized Knowledge or Experience (40 CFR 312.28)

The client has the following specialized knowledge or experience related to the Property or nearby properties:



- The client is involved in the same line of business as the current and past occupants of the Property and has specialized knowledge of the chemicals and processes used by this type of business.
- The client was notified about the groundwater contamination of PFOA/PFOS to the Property and provided Strata with additional environmental records related to historical releases from the USAF Eielson Base.

5.2.3 Valuation Reduction for Environmental Issues (40 CFR 312.29)

The client does not believe the current value for this Property reasonably reflects the fair market value of the Property because contamination is known or believed to be present at the Property.

5.2.4 Commonly Known or Reasonably Ascertainable Information (40 CFR 312.30)

The client (1) was aware of the past uses of the Property, discussed in Section 3.0; (2) was aware of specific chemicals present and formerly present at the Property, discussed in Section 4.0; (3) does not know of spills or other chemical releases at the Property; and (4) does not know of environmental cleanups at the Property.

5.2.5 Obvious Indicators of Contamination (40 CFR 312.31)

The client, based on knowledge and experience related to the Property, was aware of obvious environmental indicators that point to the presence, or likely presence of contamination of the Property. The client was aware of groundwater impacts to the Property due to releases from USAF Eielson Base.



SECTION 6.0 SOURCES

American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-13).

ADEC, (2021, September 13–14), *Contaminated Sites Search* [Online], Available: <https://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Search>.

ADEC, Division of Spill Prevention and Response, Contaminated Sites Program, Deborah Williams and Lawrence Johnson, “No Further Action (NFA), Moose Creek Bus Barn, Event ID 2154,” letter to Dan Blackard, December 16, 2004.

ADEC, “Oil and Other Hazardous Substances Pollution Control,” 18 AAC 75, as amended through June 24, 2021.

ADEC, “Site Report: Eielson AFB Basewide (AKA Sitewide) PFAS,” August 17, 2020.

Alaska Dept. of Natural Resources, Water Section, Tom Barrett, letter to Laidlaw Transit, Inc., June 12, 2020.

City of North Pole, Alaska, William Butler, “Moose Creek Water Expansion – Environmental Covenants, PAN 515701,” letter to Laidlaw Transit, Inc., June 24, 2020.

City of North Pole, Moose Creek Water Expansion, “Environmental Covenants – Updated PAN 515701,” December 4, 2020.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA or Superfund), as amended by Superfund Amendments and Reauthorization Act of 1986 (SARA) and Small Business Liability Relief and Brownfields Revitalization Act of 2002 (Brownfield Amendments), 42 U.S.C. §§9601, et. Seq.

Department of Environmental Conservation, Division of Spill Prevention and Response Contaminated Sites Program, No Further Action (NFA) Moose Creek Bus Barn Event ID 2154, December 16, 2004.

Environmental Data Resources, Inc., “Certified Sanborn® Map Report – First Student, 4443 Claude Street, North Pole, AK 99705 – Unmapped Property,” Inquiry No. 6623441.3, August 17, 2021.

Environmental Data Resources, Inc., “EDR Historical Topo Map Report – First Student, 4443 Claude Street, North Pole, AK 99705 – 1949, 1950, 1952, 1972, 1975, and 1992” Inquiry No. 6623441.4, August 17, 2021.

Environmental Data Resources, Inc., “The EDR Aerial Photo Decade Package – First Student, 4443 Claude Street, North Pole, AK 99705 – 1974, 1980, 1985, and 1999,” Inquiry No. 6623441.8, August 19, 2021.

Environmental Data Resources, Inc., “The EDR-City Directory Image Report – First Student, 4443 Claude Street, North Pole, AK 99705,” Inquiry No. 6623441.5, August 22, 2021.

Environmental Data Resources, Inc., “The EDR Radius Map™ Report with GeoCheck® – First Student, 4443 Claude Street, North Pole, AK 99705,” Inquiry No. 6623441.2s, August 17, 2021.

Fairbanks North Star Borough Assessing, Property Search, (2021, September 2), *Property Summary – PAN 0142557* [Online], Available: <https://data.fnsb.us/Assessing/propacctsum?idx=0142557>.

Fairbanks Recording District, “Environmental Covenant and Right of Access – Lots 1, 2, 3 and 4, Block 3 of Moose Creek Acres,” March 5, 2021.

SES Construction and Fuel Services LLC, “Final Site Investigation Report for Site Investigations of Fire Fighting Foam Usage at Various Air Force Bases in the United States for Eielson Air Force Base, Fairbanks North Star Borough, Alaska,” Contract No. W912HN-12-D-0021, Delivery Order No. 0007, February 2005.

U.S. Geological Survey Topographic Map, Fairbanks C Quadrangle, Dated 1992.



SECTION 7.0 SCOPE AND LIMITATIONS

First Student authorized Strata to conduct a Phase I ESA of the real property, physical plant, and operations of First Student, Inc. #20218B, 4443 Claude Street, Moose Creek, Fairbanks North Star Borough County, Alaska, referred to in this report as “the Property.” First Student owns the Property. This ESA was performed in accordance with ASTM Practice E1527-13 and AAI (40 CFR Part 312).

7.1 Purpose

The general purpose of this Phase I ESA is to provide an objective, independent evaluation and professional opinion regarding environmental conditions, if any, associated with the Property. Strata reviewed available environmental records maintained by the company and interviewed persons knowledgeable about the Property. The services performed and outlined in this report were based, in part, upon visual observations of the Property and attendant structures.

7.2 Scope of Services

The scope of work for this assessment was in general accordance with the ASTM Standard Practice for ESAs: Phase I ESA Process (ASTM Designation: E1527-13) and the EPA Standards and Practices for AAI. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying Recognized Environmental Conditions (RECs).

7.3 Significant Assumptions

While this report may provide an overview of potential environmental concerns, both past and present, the ESA is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the Property may have occurred which could not be identified. The conclusions and recommendations regarding environmental conditions that are presented in this report are based on a scope of work authorized by the client. Note, that virtually no scope of work, no matter how exhaustive, can identify all contaminants or all conditions above and below ground.

7.4 Limitations and Exceptions

The report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM E1527-13 and AAI and contains all limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

Strata conducted this assessment using standard engineering and scientific judgment, principles, and practices. Written qualifications of the assessor to perform this environmental review have been presented to the authorizing party. The ESA is based on visual observations recorded by the assessor and information provided by personal interviews and records reviews from reasonably ascertainable/standard



sources that were practically reviewable, which information is assumed to be correct. Strata has made no independent investigation as to the accuracy or completeness of the information gained from secondary sources or personal interviews, and Strata also cannot guarantee the accuracy or interpretations by others except where evidence suggested such information to be incomplete or inaccurate and such information had significant bearing on matters under assessment.

This ESA does not include any intrusive sampling of soils or subsurface materials. Materials and conditions that are concealed or inaccessible may not have been discovered during this ESA. The ESA may include an evaluation of the nature and extent of potential contamination, but this evaluation is a professional judgment based on interpretation of available investigations, geological and hydrogeological reports for the Property and vicinity, experience with apparently similar properties, and other relevant information. The information contained in this report is deemed reliable; however, there cannot be a guarantee that all hazardous or potentially hazardous conditions have been identified or located.

All findings and conclusions stated in this report are based on facts and circumstances as they existed during the site reconnaissance and during the time period of preparation of this report and are further limited by the mutually agreed upon Scope of Work, budget, and schedule. The objective of this report was to assess environmental conditions at the Property, within the context of our contract and existing environmental regulations within the applicable jurisdiction. Evaluating compliance of past or future owners with applicable local, state, and federal government laws and regulations was not included in our contract for services. The report is not intended to be exhaustive in scope or imply a risk-free property. Any change in fact or circumstance upon which this report is based may affect the expressed findings and conclusions of this report. Should this occur, Strata reserves the right to modify its opinion(s), as necessary.

Strata makes no warranties, expressed or implied, as to marketability of the Property or fitness for a particular use. This report is intended to be used in its entirety; taking or using excerpts from this report is not permitted and any party doing so does at its own risk. Information in this report is not to be construed as legal advice. All data, maps, field notes, report drafts, and other related information held by the consultant are confidential and restricted, and are only available to the client, and upon written approval from client to client's attorney or designated agents, unless otherwise required by law.

7.5 Special Terms and Conditions

There were no special terms or contractual conditions for this ESA.

7.6 User Reliance

This report may be distributed and relied upon by First Student, Inc., its successors and assigns. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of Strata.

7.7 Data Gaps and Deviations

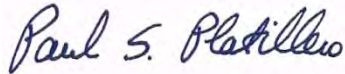
Strata identified no data gaps that affected the ability to identify RECs associated with the Property.



7.8 Signatures of Environmental Professional(s)

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:



Paul S. Platillero, PE, CPEA
Principal Engineer



Charles W. Ferst, PE, CPEA, REPA

7.9 Qualifications of Environmental Professionals

The qualifications of the environmental professional(s) and personnel conducting the site reconnaissance and interviews (if conducted by someone other than an environmental professional) are provided in Appendix E.



APPENDIX A

FIGURES

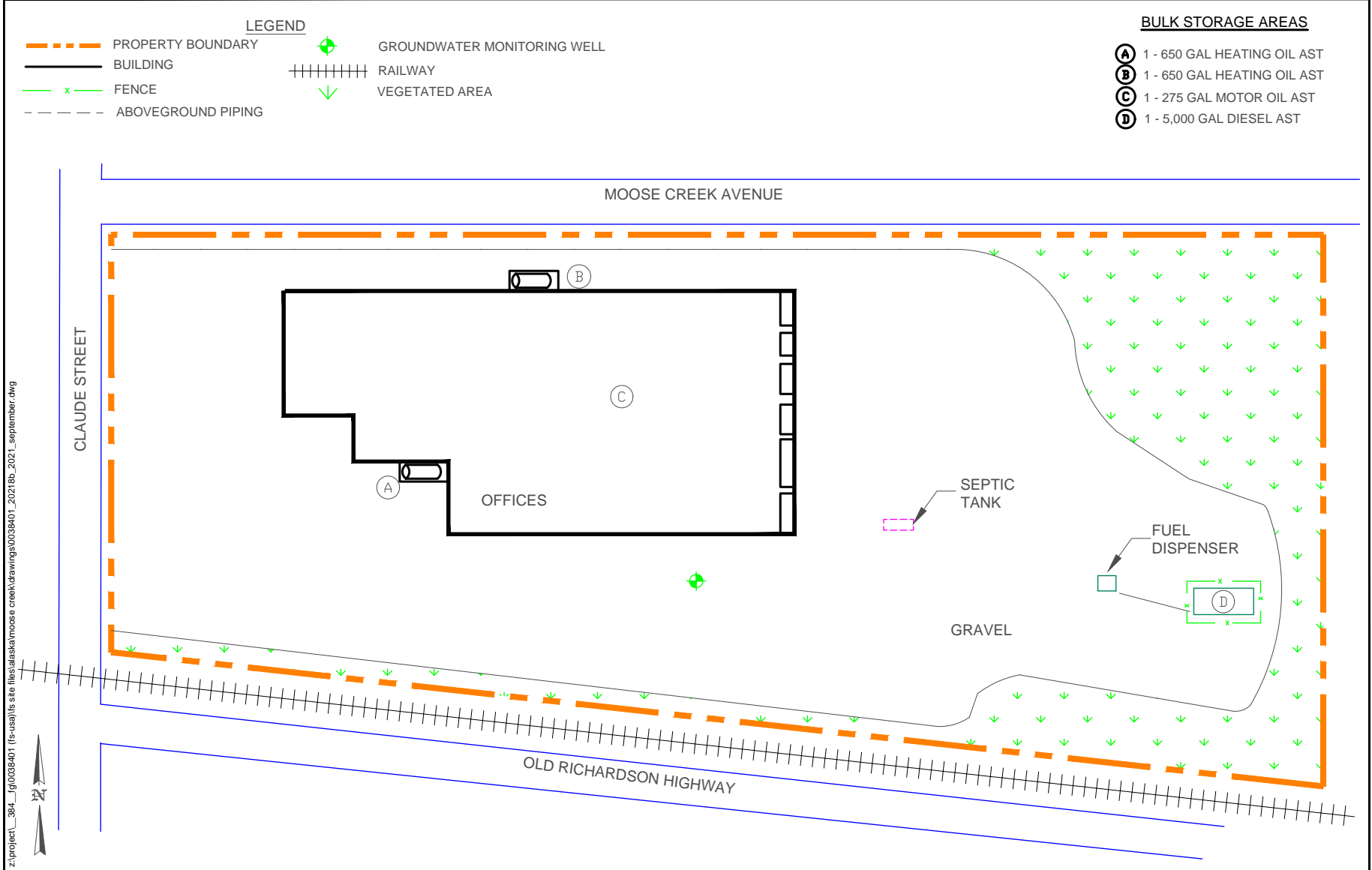


BULK STORAGE AREAS

- (A)** 1 - 650 GAL HEATING OIL AST
- (B)** 1 - 650 GAL HEATING OIL AST
- (C)** 1 - 275 GAL MOTOR OIL AST
- (D)** 1 - 5,000 GAL DIESEL AST

LEGEND

- PROPERTY BOUNDARY
- BUILDING
- FENCE
- ABOVEGROUND PIPING
- GROUNDWATER MONITORING WELL
- RAILWAY
- VEGETATED AREA



z:\project\...384..._fg\0038401 (fs-usa)\site files\alaska\moose creek\drawings\0038401_2021\bb_2021_september.dwg

110 PERIMETER PARK ROAD
 SUITE E
 KNOXVILLE, TN 37922
 PHONE (865) 539-2077
 FAX (865) 539-3970



PROJECT NUMBER | DATE
 0038401_20218B | September 2021

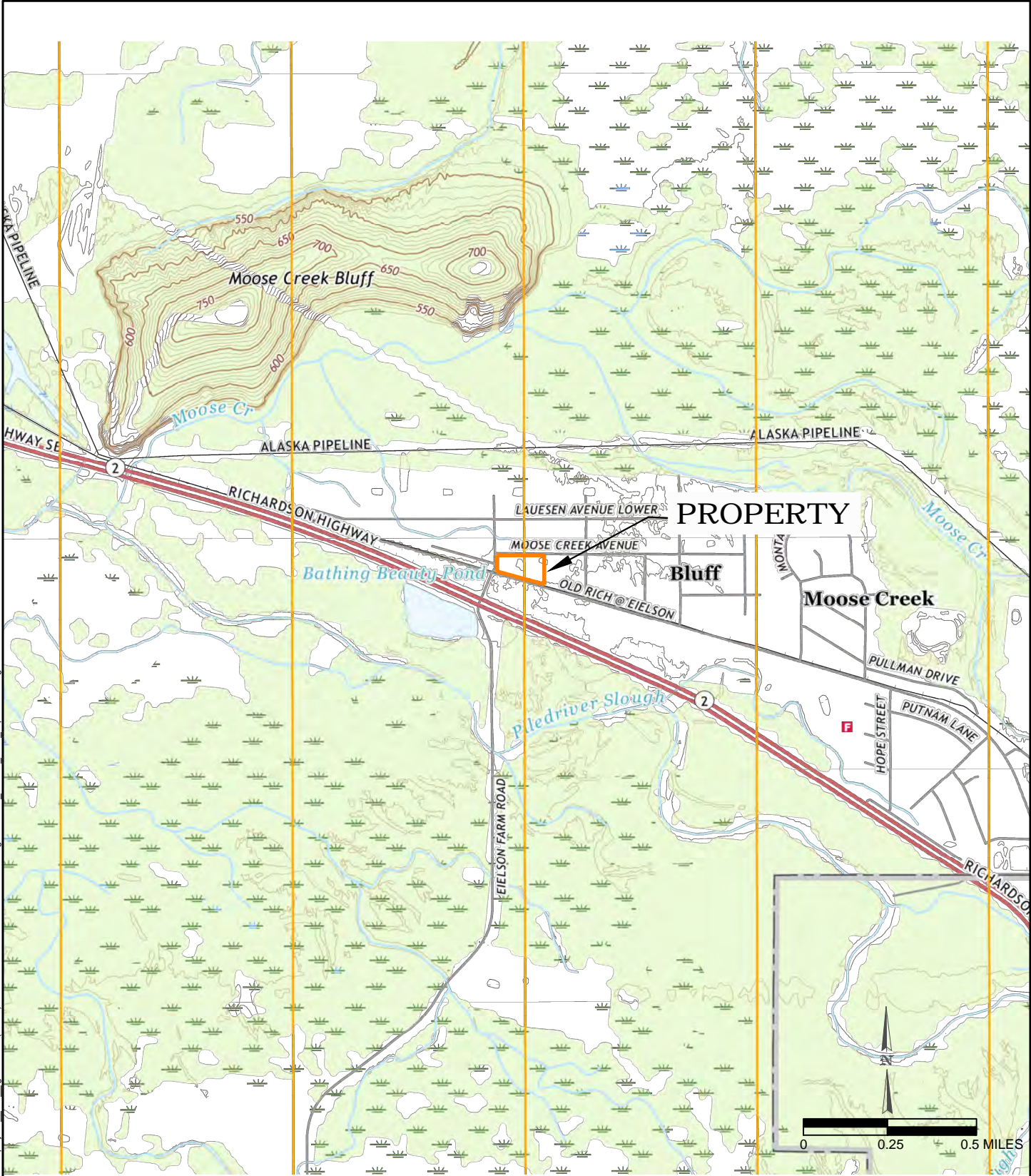
Site Layout - Location of Septic Tank

First Student, Inc. #20218B
 4443 Claude Street, Moose Creek, Alaska 99705

FIGURE

1

z:\project_384_1g\0038401 (s-ras)\1s site files\alaska\moose creek\drawings\0038401_20218b_2021_september.dwg



SOURCE: USGS 2021

LEGEND	
	SITE BOUNDARY
	PRIMARY ROADS
	TOPOGRAPHY
	WATERWAY



110 PERIMETER PARK ROAD
 SUITE E
 KNOXVILLE, TN 37922
 PHONE (865) 539-2077
 FAX (865) 539-3970

PROJECT NUMBER | DATE
 0038401_20218B | September 2021

Topographic Map
 Fairbanks C-1 NE Quadrangle, 2021

First Student, Inc. #20218B
 4443 Claude Street, Moose Creek, Alaska 99706

FIGURE
 2

APPENDIX B PHOTOGRAPHS





Photograph 1: Building entrance, east side



Photograph 2: Building entrance bays, west side



Photograph 3: Building north side



Photograph 4: Building south side (office entrance)



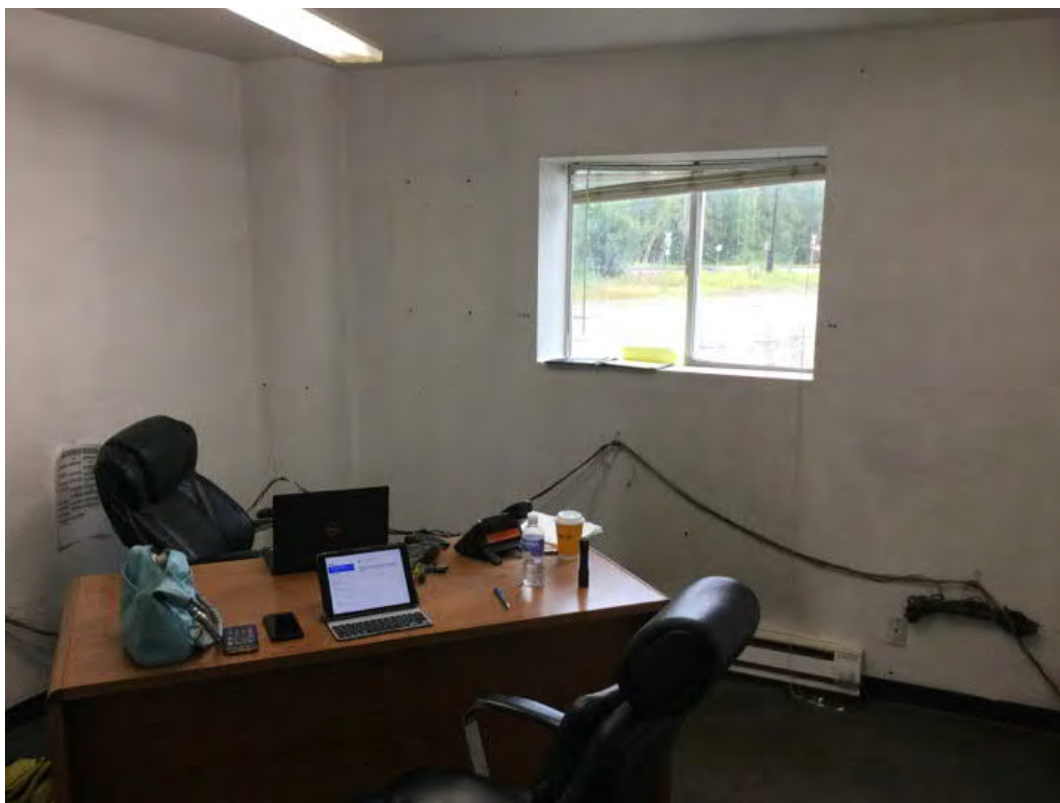
Photograph 5: Main administrative area lobby near entrance



Photograph 6: Wash sink adjacent to office area and near fire water tanks



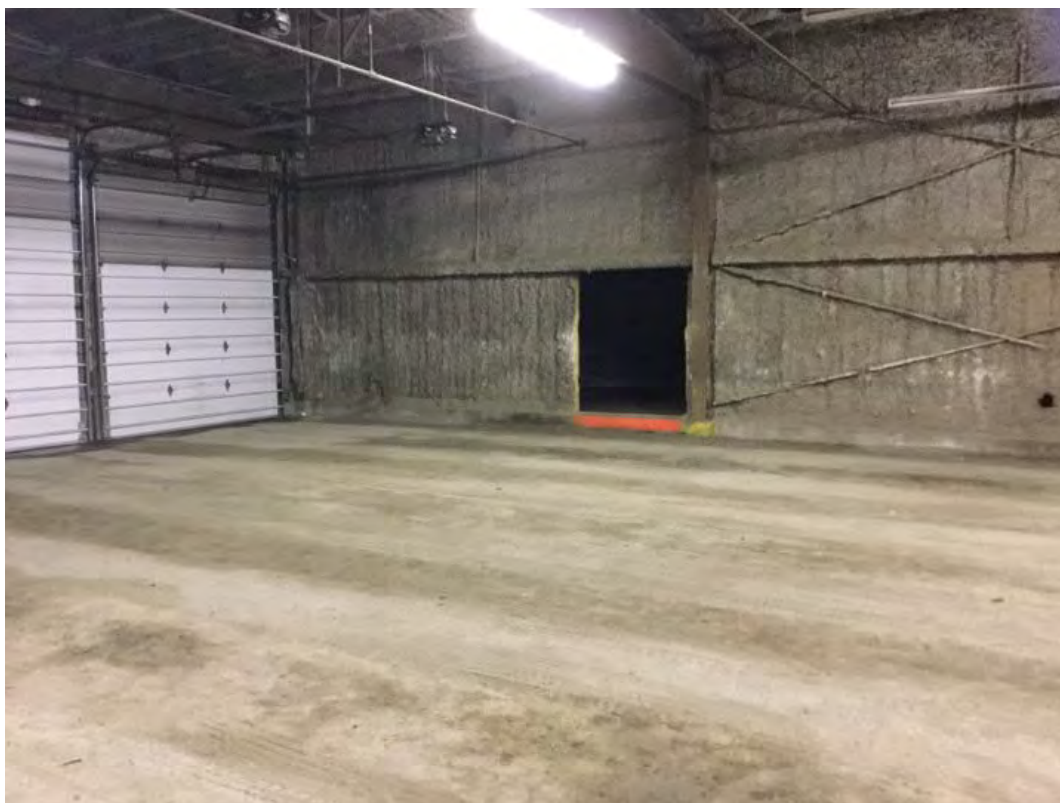
Photograph 7: Office area near main lobby at entrance



Photograph 8: Office on building west side



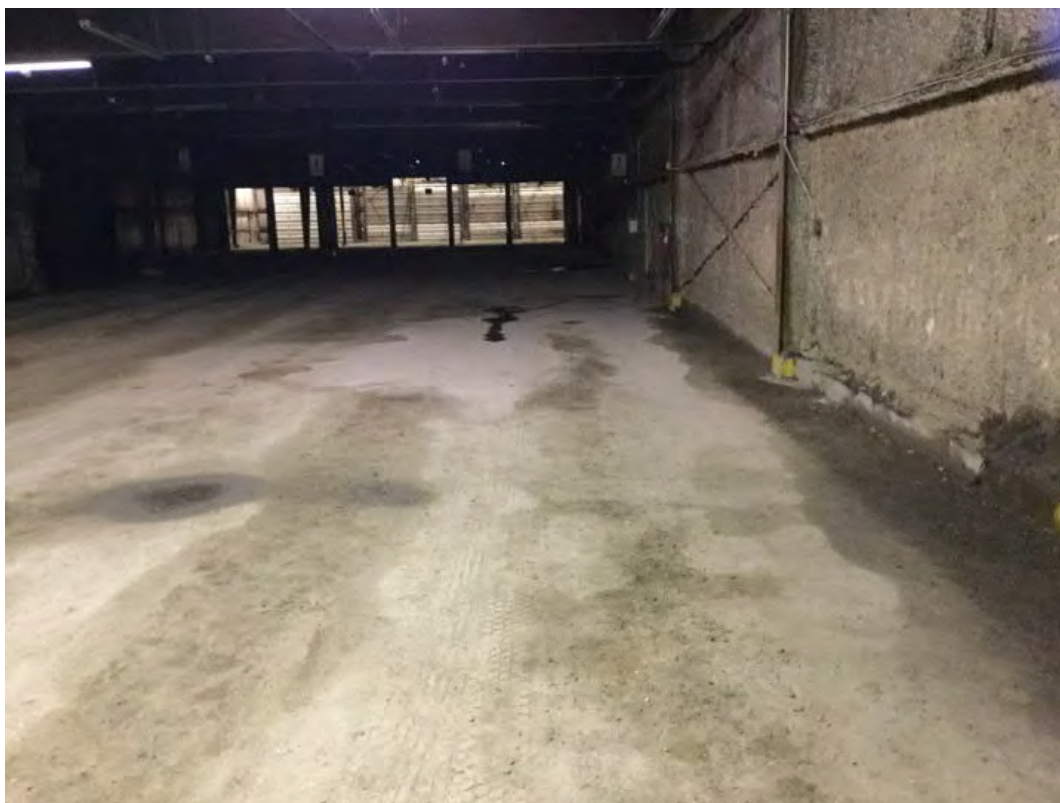
Photograph 9: Shop doors/bays/entrance east side



Photograph 10: Parking area in main building



Photograph 11: West side entrance to building; municipal water meter in southwest corner



Photograph 12: Parking area in building, looking east



Photograph 13: 10,000-gallon diesel fuel AST



Photograph 14: Remote diesel fuel dispenser area



Photograph 15: Heating oil AST on building north side



Photograph 16: Access road and parking lot, building south side



Photograph 17: Septic tank replacement project underway



Photograph 18: Closure of former groundwater production well and new potable water meter and recirculation pump

APPENDIX C

HISTORICAL RESEARCH DOCUMENTATION



First Student

4443 Claude Street

North Pole, AK 99705

Inquiry Number: 6623441.4

August 17, 2021

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/17/21

Site Name:

First Student
4443 Claude Street
North Pole, AK 99705
EDR Inquiry # 6623441.4

Client Name:

STRATA Environmental Serv Inc.
110 Perimeter Park
Knoxville, TN 37922
Contact: Paul Platillero



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by STRATA Environmental Serv Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

P.O.#	NA	Latitude:	64.716698 64° 43' 0" North
Project:	FS - Moose Creek, AK	Longitude:	-147.190542 -147° 11' 26" West
		UTM Zone:	Zone 6 North
		UTM X Meters:	490919.64
		UTM Y Meters:	7176895.39
		Elevation:	515.00' above sea level

Maps Provided:

1992
1975
1972
1952
1950
1949

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2021 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1992 Source Sheets



Fairbanks C-1 NE
1992
7.5-minute, 25000
Aerial Photo Revised 1985

1975 Source Sheets



Fairbanks C-1
1975
15-minute, 63360
Aerial Photo Revised 1975

1972 Source Sheets



Fairbanks C-1
1972
15-minute, 63360
Aerial Photo Revised 1972

1952 Source Sheets

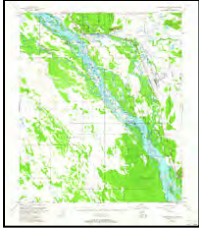


Fairbanks C-1
1952
15-minute, 63360
Aerial Photo Revised 1949

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1950 Source Sheets

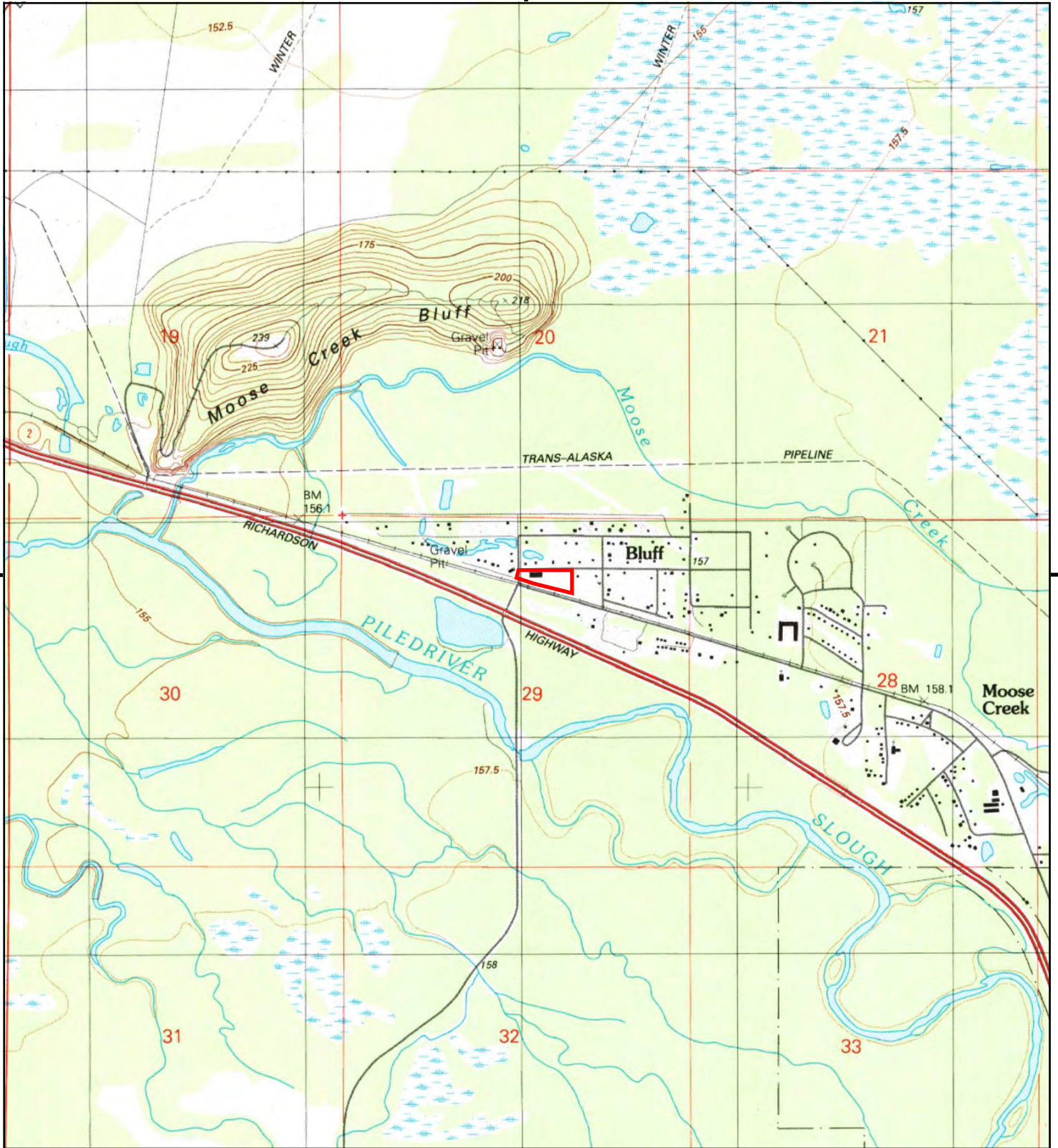


Fairbanks C-1
1950
15-minute, 63360
Aerial Photo Revised 1949

1949 Source Sheets



Fairbanks C-1
1949
15-minute, 63360
Aerial Photo Revised 1949



This report includes information from the following map sheet(s).



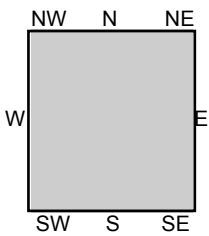
TP, Fairbanks C-1 NE, 1992, 7.5-minute

SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole, AK 99705
 CLIENT: STRATA Environmental Serv Inc.





This report includes information from the following map sheet(s).



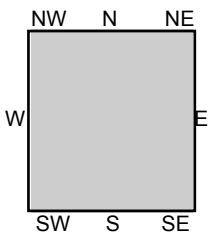
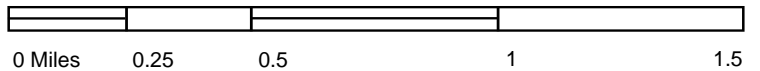
TP, Fairbanks C-1, 1975, 15-minute

SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole, AK 99705
 CLIENT: STRATA Environmental Serv Inc.





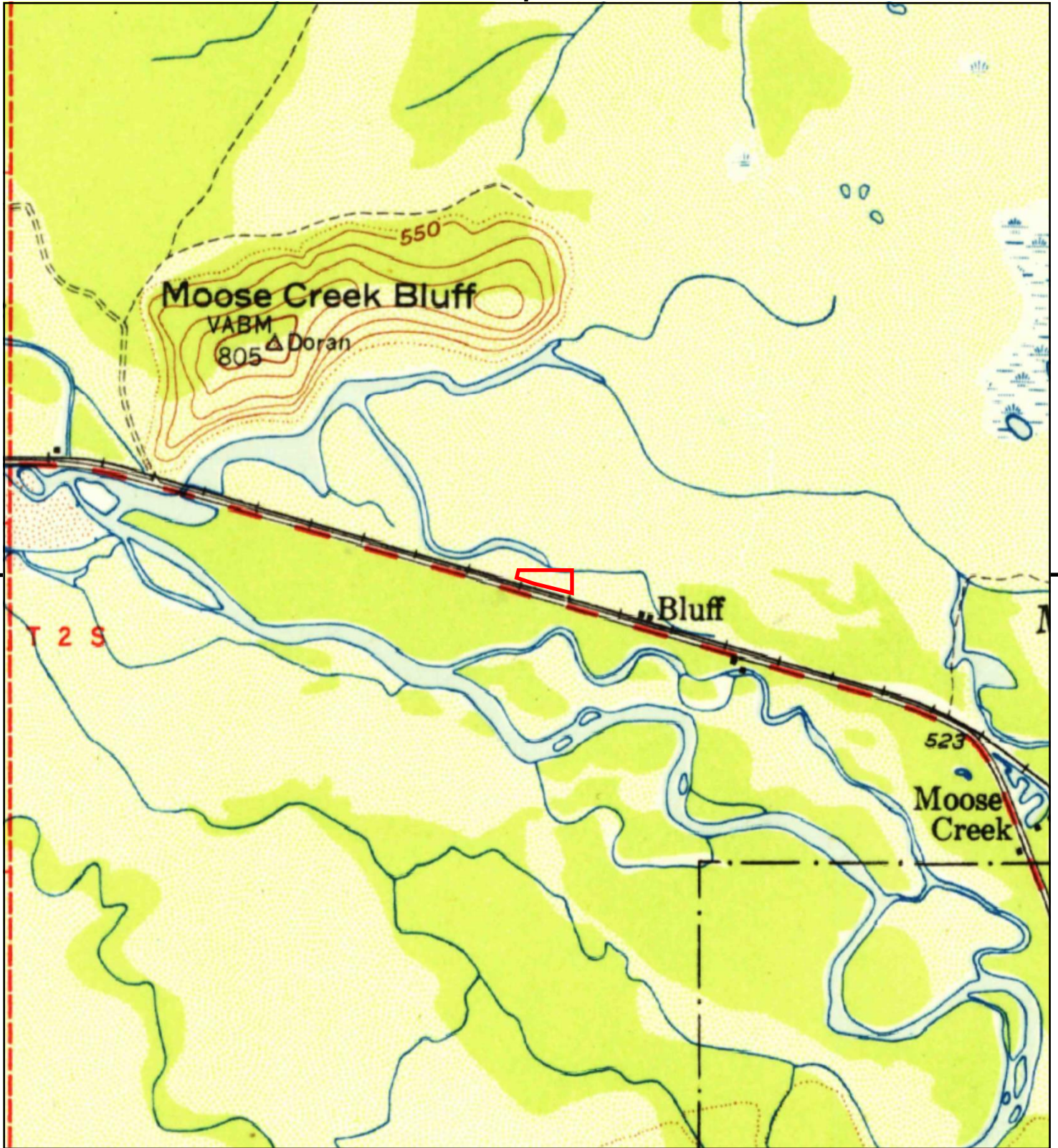
This report includes information from the following map sheet(s).



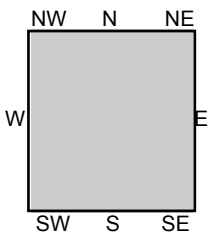
TP, Fairbanks C-1, 1972, 15-minute

SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole, AK 99705
 CLIENT: STRATA Environmental Serv Inc.





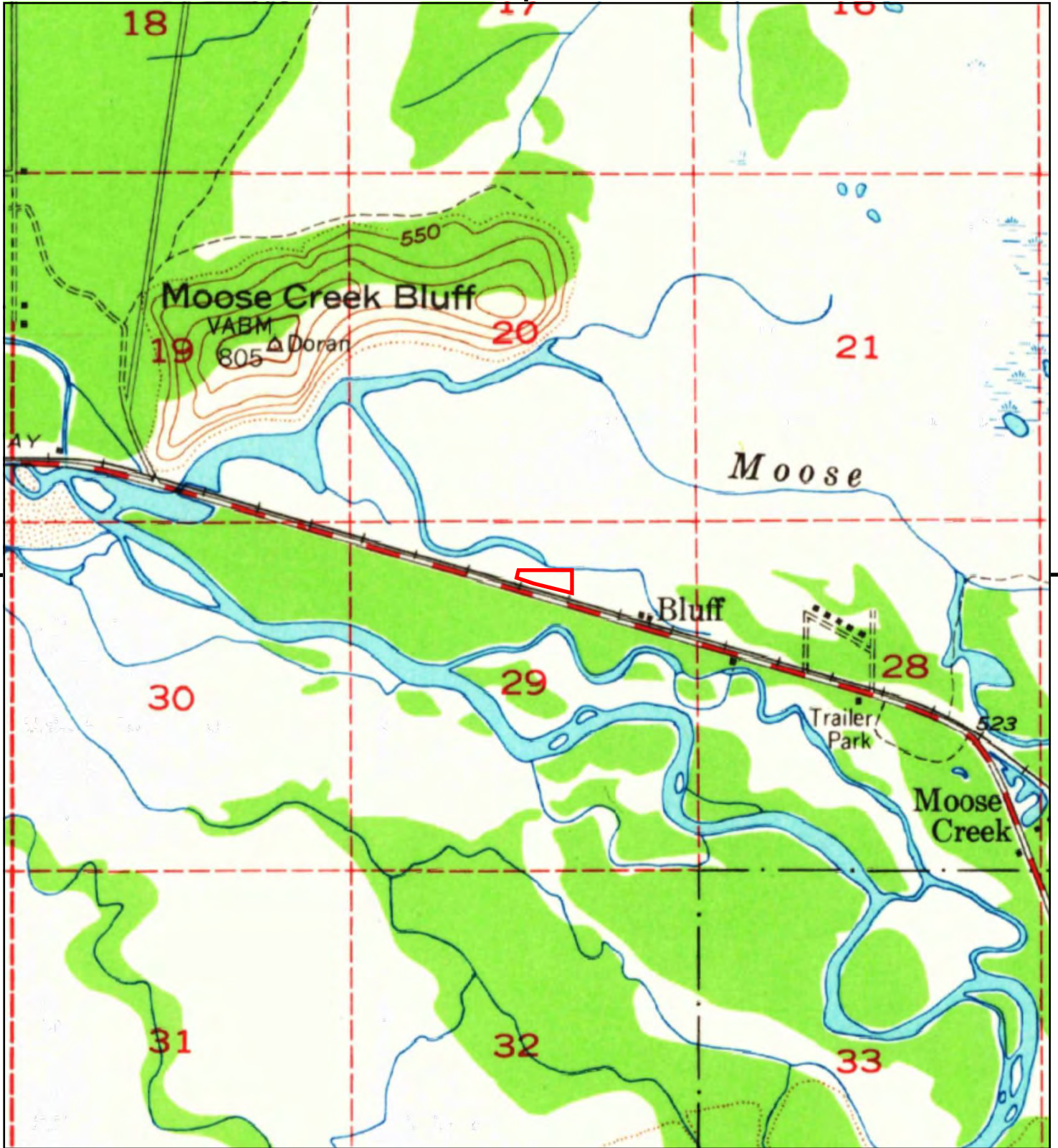
This report includes information from the following map sheet(s).



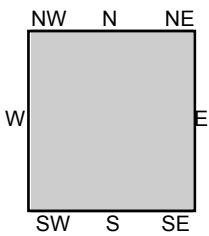
TP, Fairbanks C-1, 1952, 15-minute

SITE NAME: First Student
ADDRESS: 4443 Claude Street
North Pole, AK 99705
CLIENT: STRATA Environmental Serv Inc.





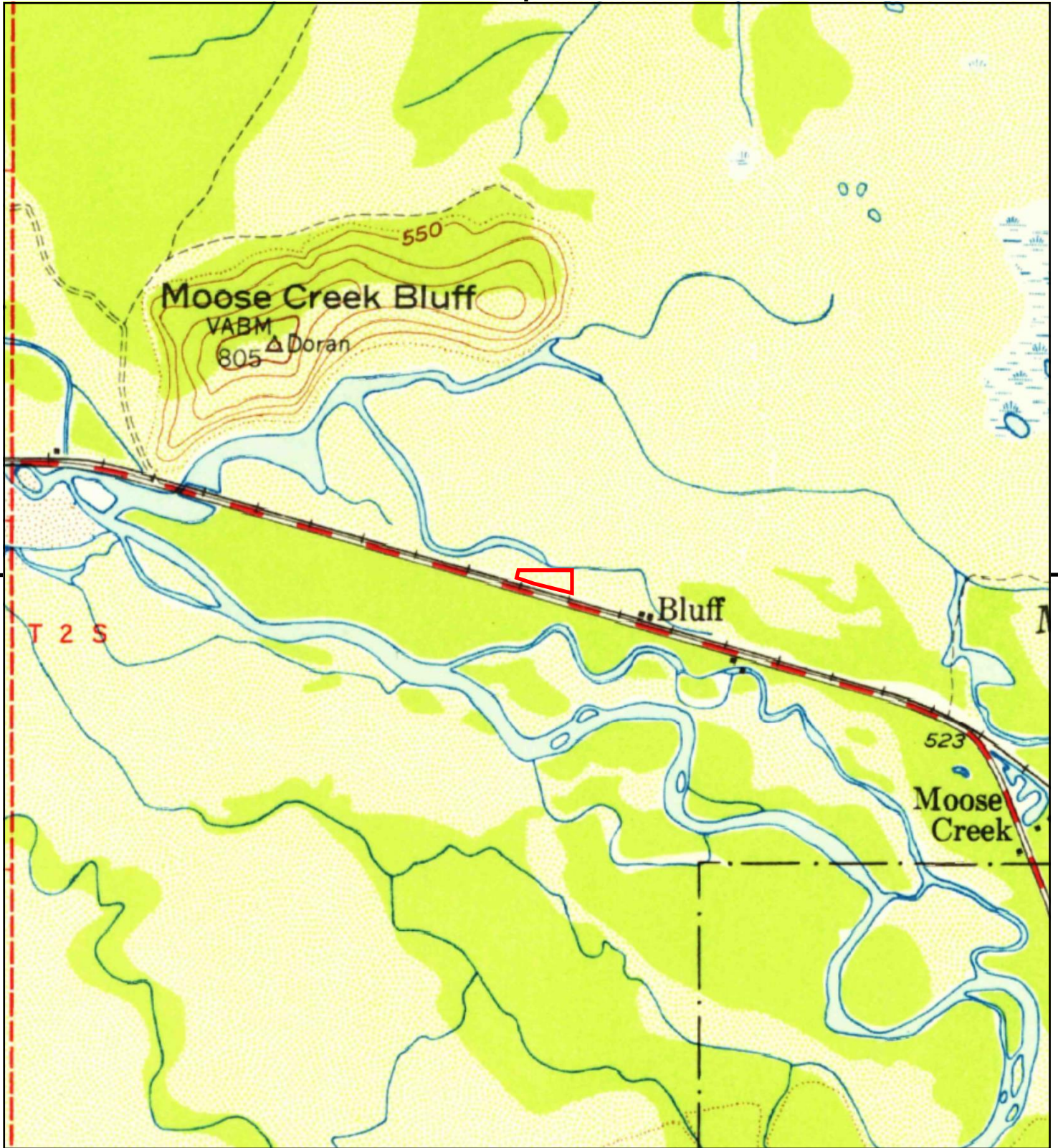
This report includes information from the following map sheet(s).



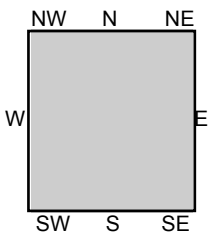
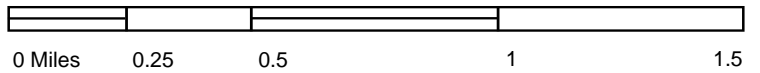
TP, Fairbanks C-1, 1950, 15-minute

SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole, AK 99705
 CLIENT: STRATA Environmental Serv Inc.





This report includes information from the following map sheet(s).



TP, Fairbanks C-1, 1949, 15-minute

SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole, AK 99705
 CLIENT: STRATA Environmental Serv Inc.





First Student

4443 Claude Street

North Pole, AK 99705

Inquiry Number: 6623441.8

August 19, 2021

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/19/21

Site Name:

First Student
4443 Claude Street
North Pole, AK 99705
EDR Inquiry # 6623441.8

Client Name:

STRATA Environmental Serv Inc.
110 Perimeter Park
Knoxville, TN 37922
Contact: Paul Platillero



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1985	1"=750'	Flight Date: July 19, 1985	USGS
1980	1"=500'	Flight Date: August 05, 1980	USGS
1974	1"=500'	Flight Date: September 10, 1974	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2021 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

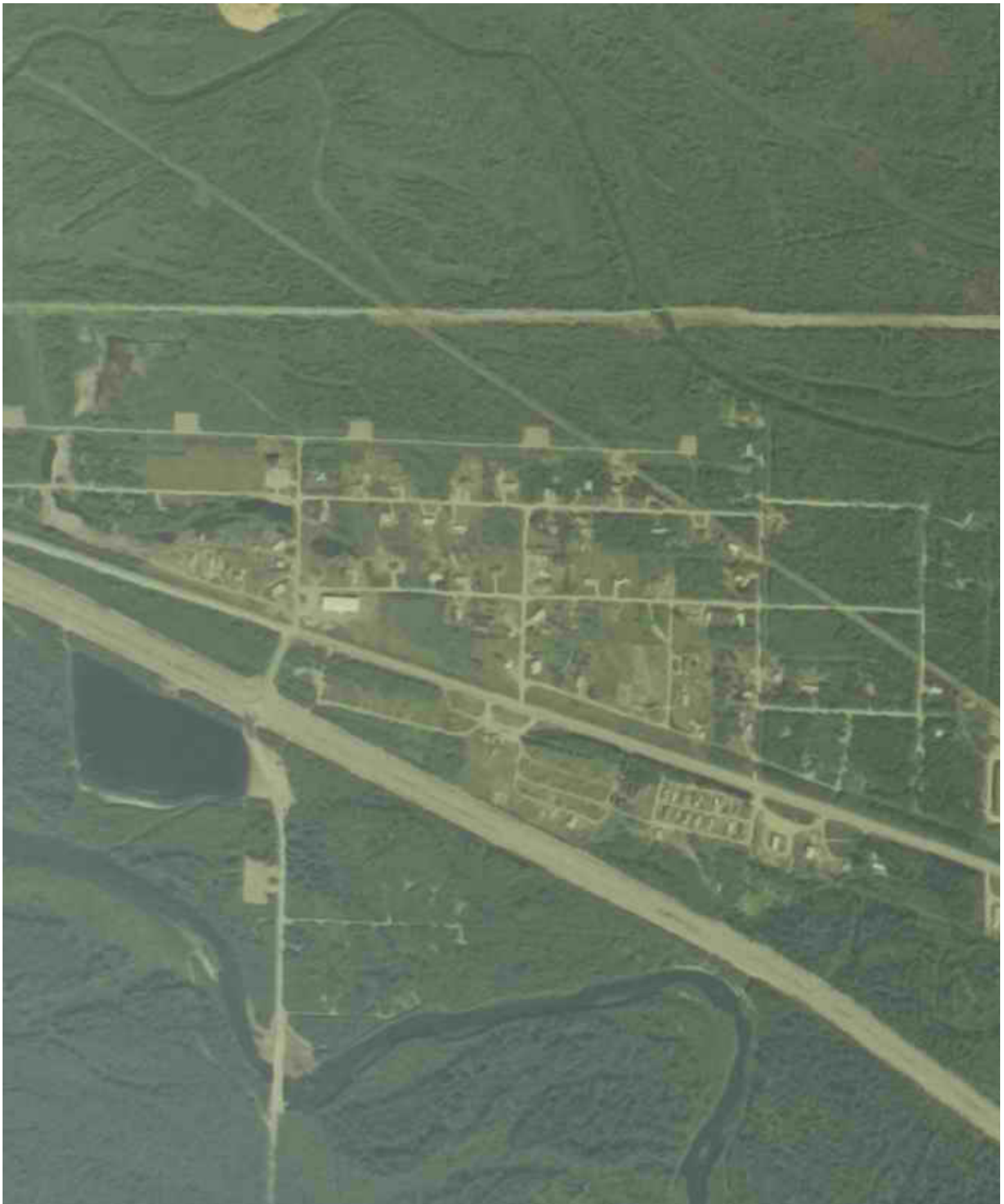


INQUIRY #: 6623441.8

YEAR: 1999

— = 500'





INQUIRY #: 6623441.8

YEAR: 1985

— = 750'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



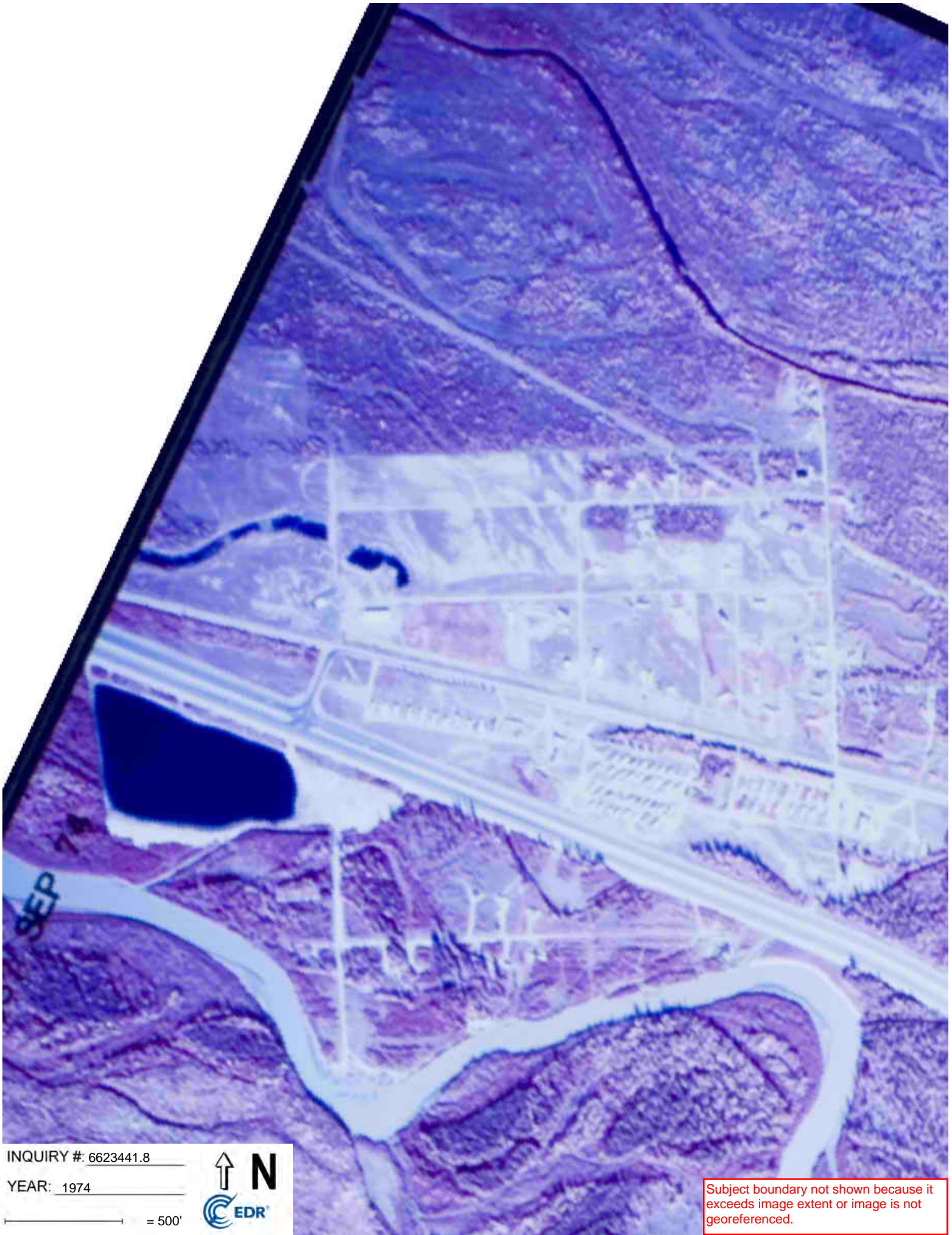
INQUIRY #: 6623441.8

YEAR: 1980

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6623441.8

YEAR: 1974

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



First Student

4443 Claude Street

North Pole, AK 99705

Inquiry Number: 6623441.3

August 17, 2021

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/17/21

Site Name:

First Student
4443 Claude Street
North Pole, AK 99705
EDR Inquiry # 6623441.3

Client Name:

STRATA Environmental Serv Inc.
110 Perimeter Park
Knoxville, TN 37922
Contact: Paul Platillero



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by STRATA Environmental Serv Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # F9F0-42EA-BEC7
PO # NA
Project FS - Moose Creek, AK

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: F9F0-42EA-BEC7

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

STRATA Environmental Serv Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2021 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

First Student

4443 Claude Street
North Pole, AK 99705

Inquiry Number: 6623441.5
August 22, 2021

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.



RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
1987	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1978	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1977	<input type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1973	<input type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1968	<input type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1964	<input type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO

EXECUTIVE SUMMARY

Year Target Street Cross Street Source

FINDINGS

TARGET PROPERTY STREET

4443 Claude Street
North Pole, AK 99705

Year

CD Image

Source

CLAUDE ST

2017	pg A1	EDR Digital Archive	
2014	pg A4	EDR Digital Archive	
2010	pg A7	EDR Digital Archive	
2005	pg A10	EDR Digital Archive	
2000	-	EDR Digital Archive	Street not listed in Source
1995	pg A14	EDR Digital Archive	
1992	pg A16	EDR Digital Archive	
1987	-	POLK DIRECTORY CO	Street not listed in Source
1982	-	POLK DIRECTORY CO	Street not listed in Source
1977	-	POLK DIRECTORY CO	Street not listed in Source
1973	-	POLK DIRECTORY CO	Street not listed in Source
1968	-	POLK DIRECTORY CO	Street not listed in Source
1964	-	POLK DIRECTORY CO	Street not listed in Source

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

OLD RICHARDSON HWY

2017	pg. A2	EDR Digital Archive
2014	pg. A5	EDR Digital Archive
2010	pg. A8	EDR Digital Archive
2005	pg. A11	EDR Digital Archive
2000	pg. A13	EDR Digital Archive
1995	pg. A15	EDR Digital Archive
1992	pg. A17	EDR Digital Archive

Old Richardson Hwy

1973	-	POLK DIRECTORY CO	Street not listed in Source
1968	-	POLK DIRECTORY CO	Street not listed in Source
1964	-	POLK DIRECTORY CO	Street not listed in Source

City Directory Images



-

CLAUDE ST 2017

- 3337 LEWIS, CHARLES K
- 3349 MOOSE CREEK GENERAL STORE
SAMUEL, AL M
- 3354 MAYFLOWER CONTRACT SERVICES

OLD RICHARDSON HWY 2017

900	H C CONTRACTORS INC
1237	TUPPER, KORI L
1262	K & K RECYCLING
1285	RIDDLE, JESSIE
1287	HEGDAL, DAVID
1356	KOPF, DAVID M
1360	BUCK, DAVIS D
	LOVING COMPANIONS ANIMAL RESCUE INC
1361	GRANDY, KIM M
	MILLER, EDNA L
1375	SHAW, MONTE I
1391	SIMPKIN, HELEN E
1431	LEES ORIENTAL MASSAGE
1441	COOK, GINA M
1460	MCGOWAN, MICHAEL G
1493	BEAN, ZACK T
2250	12 MILE ROAD HOUSE BAR & LIQUOR STOR
2260	HAWKS GREENHOUSE
2310	MATHEWS, KRISTIANNE M
2315	FAIRES, NICOLA
2325	KINDEN, DAVIE J
2334	MATTZELA, BRANDON C
	MATTZELEA, BRANDON
2340	ROBERTS, LAWRENCE D
2352	BALLEK, JOEL A
2364	BROWN, JAMES D
2391	THOMAS, ANDREW B
2398	ROBINSON, NIKKI M
2415	GLENN, JUSTIN L
2473	TERRIAULT, KENNETH W
2483	MCCUMBY, DONALD F
2517	ENVIRONMENTAL COMPLIANCE CONSULTANTS
2525	AIR CENTER
3115	PAYNE, MAC A
3135	HELEAN, MIKE
3150	OLSON, CHRISTAN C
3216	DAWLEY, LYLE M
3423	LYNNE, VICTOR A
3435	HAGAN, SHERIDAN
3439	SWEARINGEN, RYAN
3445	EIELSON CHURCH OF CHRIST
	ROBINSON, DAN H
3457	FAIR, SHANA L
3483	THE AMERICAN LEGION
3547	SANFORD, TAMMY S
3555	BELLMAY, KATHY
	HERTZBERG, ASHLEIGH
	SEPPI, STACY L
	STONE, KELLY J
3560	THE LOYAL ORDER OF MOOSE

OLD RICHARDSON HWY 2017 (Cont'd)

3579 ABEYTA, CHARLENE N
ERNST, JENNEFER L
KING, RACHEL
WAKEFIELD, PAIGE
3614 CATILLER, DAVID D
THE AMERICAN LEGION

CLAUDE ST 2014

3337 LEWIS, CHARLES K
3349 SAMUEL, AL M
3354 MAYFLOWER CONTRACT SERVICES

OLD RICHARDSON HWY 2014

21	RILEY, EUGENE L
900	H C CONTRACTORS INC HC REDIMIX INC
933	OCCUPANT UNKNOWN,
935	HARRIS, HEATHER
990	OCCUPANT UNKNOWN,
1199	S & S TOWING & RECOVERY
1237	TUPPER, KORI L
1262	K & K RECYCLING
1287	CHANDLER, JESSIE HEGDAL, DAVID
1291	OCCUPANT UNKNOWN,
1356	BREWER, PERCY G
1360	DAVIS, ANDREW J LOVING COMPANIONS ANIMAL RESCUE INC
1361	GRANDY, KIM M MURRAY, SAMANTHA
1368	OCCUPANT UNKNOWN,
1375	SHAW, MONTE I
1391	SIMPKIN, RICHARD J
1397	SCHREDER, GARY
1441	COOK, GINA M
1460	MCGOWAN, MICHAEL G
1484	OCCUPANT UNKNOWN,
1493	BEAN, ZACHARY T
1505	RUBERT, GERALD L
2250	12 MILE ROAD HOUSE BAR & LIQUOR STOR
2260	HAWKS GREENHOUSE
2277	OCCUPANT UNKNOWN,
2310	MATHEWS, KRISTIANNE M
2315	OCCUPANT UNKNOWN,
2325	OCCUPANT UNKNOWN,
2334	LILLEY, JONAH S MATTZELA, BRANDON C
2336	OCCUPANT UNKNOWN,
2340	JAMES, CHRISTINA
2348	DYE, JOHN R
2364	BROWN, JAMES D
2375	GEORGE, JUSTIN
2391	OCCUPANT UNKNOWN,
2398	ROBINSON, NICOLE M
2415	CAMPBELL, KATHERINE E
2431	OCCUPANT UNKNOWN,
2437	OCCUPANT UNKNOWN,
2457	FAIR, DAN
2473	PAGE, ROBERT
2483	MCCUMBY, DONALD F
2517	ENVIRONMENTAL COMPLIANCE CONSULTANTS
2525	AIR CENTER OCCUPANT UNKNOWN,

OLD RICHARDSON HWY 2014 (Cont'd)

2575	CARNEY, NICHOLAS
2684	RAY, HANNAH
2800	OCCUPANT UNKNOWN,
3115	WARES, CODI
3117	OCCUPANT UNKNOWN,
3135	MINOR, SHARON E
3391	PIONEER BAPTIST CHURCH
3423	LYNNE, VICTOR A
3427	SORENSEN, JEREMY H
3435	HAUGAN, CLAYTON
3439	ROSS, WILLIAM
3445	EIELSON CHURCH OF CHRIST
	OCCUPANT UNKNOWN,
3457	FAIR, SHANA L
3477	OCCUPANT UNKNOWN,
3479	OCCUPANT UNKNOWN,
3540	UNDERWOOD-WAGER, CYNTHIA
3547	SANFORD, TAMMY S
3555	BELLMAY, ED D
	HERTZBERG, ASHLEIGH
	SEPPI, STACY L
	STONE, KENDRA A
3560	MOOSE CREEK LODGE
3579	EYRING, PAUL W
	FROHNE, PETER
	LOWRY, JOHN
	PUENTE, SABRINA
	REGINA, GUY
	WEEKS, JEFF
	WHITE, ALEXANDER
3614	SCHUSTER, HAROLD G
	THE AMERICAN LEGION

CLAUDE ST 2010

3349 MOOSE CREEK GEN STORE
SAMUEL, AL M
UHAUL CO

OLD RICHARDSON HWY 2010

5	MASSINGILL, OWEN R
21	RILEY, EUGENE L
32	STENBERG, ERIC
155	BUNDTZEN, CHERYL R
900	H C CONTRACTORS INC H C REDIMIX INC
903	SIMMONS, BENJAMIN
933	OCCUPANT UNKNOWN,
990	OCCUPANT UNKNOWN,
1138	MEDINA, FABIAN R
1199	49ER CLUB S & S TOWING & RECOVERY
1275	TURNER, STEPHANIE
1285	OCCUPANT UNKNOWN,
1287	STRAND, RICHARD A
1289	FAST ALASKA HEATING SALES SHUMONN, EUGENE
1324	LOWELL, DONALD
1356	KOPF, DAVID M
1360	BUCK, DAVIS D LOVING COMPANIONS ANML RESCUE
1361	CRESSLEY, DONALD CROFT, LAWRENCE
1368	KRAUSE, DUANE R
1375	SHAW, MONTE Y
1391	SIMPKIN, RICHARD J
1397	SCHREDER, GARY
1398	PETES COLLISION
1431	LEES ORIENTAL MASSAGE
1441	MORTENSON, KEVIN B
1460	MCGOWAN, MICHAEL G
1484	OCCUPANT UNKNOWN,
1505	RUBERT, GERALD L
2250	12 MILE ROAD HOUSE
2260	HAWK ENTERPRISES HAWKS GREENHOUSE
2277	OCCUPANT UNKNOWN,
2315	OCCUPANT UNKNOWN,
2325	OCCUPANT UNKNOWN,
2336	LILLEY, JON H
2340	ROBERTS, LAWRENCE D
2344	GOODNOH, GERALD L
2348	DYE, JOHN R
2352	RUSSELL, DONALD A
2364	BROWN, JAMES D
2375	GEORGE, JUSTIN
2391	OCCUPANT UNKNOWN,
2398	ROBINSON, TIMOTHY D
2415	WILSON, MICHAEL A
2431	WINANS, MARK A

OLD RICHARDSON HWY 2010 (Cont'd)

2437	OCCUPANT UNKNOWN,
2457	FAIR, DAN
2473	HECTORS WELDING KT SURPLUS ENTERPRISES LLC WRIGHT, PAUL E
2483	MCCUMBY, DONALD F
2525	AIR CENTER
2575	CARNEY, NICHOLAS
2577	AMBROSIA, LETITIA A BROWN, ARNOLD F
2684	RAY, HANNAH
2700	MCCORMICK, RICHARD L
2800	OCCUPANT UNKNOWN,
3115	PAYNE, MAC A
3117	OCCUPANT UNKNOWN,
3135	HELEAN, MICHAEL B
3150	PUFFER, CURT
3216	OCCUPANT UNKNOWN,
3423	LYNNE, VICTOR A
3435	HAUGAN, CLAYTON
3445	CHURCH OF CHRIST MIXON, SEAN
3453	FAIR, DAN
3457	FAIL, DAN
3477	OCCUPANT UNKNOWN,
3479	OCCUPANT UNKNOWN,
3481	WEBER, AMY L
3483	AMERICAN LEGION
3540	UNDERWOOD-WAGER, CYNTHIA UNIVERSITY READY MIX
3560	MOOSE CREEK LODGE
3574	BUNKES, JAY
3579	BORNDS, BRADLEY KALMAR, MICHAEL R LEWIS, KERENSA WINTERHALTER, STEPHANIE
3614	CATILLER, AMY MAMA CS MOOSE CREEK KITCHEN



-

CLAUDE ST 2005

- 3349 MOOSE CREEK GENERAL STORE
SAMUEL, AL M
U HAUL CO
- 3354 MAYFLOWERS CONTRACT SERVICES

OLD RICHARDSON HWY 2005

16	SMITH, MATTHEW R
65	MASSINGILL, OWEN R
125	SMITH, MARK
155	BUNDTZEN, CHERYL R
900	H C REDI MIX INC HC CONTRACTORS INC
903	OCCUPANT UNKNOWN,
933	OCCUPANT UNKNOWN,
935	AUSTIN, SCOTT W
990	OCCUPANT UNKNOWN,
1235	CIRCLE M OCCUPANT UNKNOWN,
1237	OCCUPANT UNKNOWN,
1289	OCCUPANT UNKNOWN,
1324	3343 COLLEGE RD LLC LOWELL, DONALD
1360	DAVIS, ANDREW J LOVING COMPANIONS ANIMAL RESCU LOVING COMPANIONS ANIMAL RSC INC
1361	BURCHAM, KYLE
1375	DIAS, MALEE
1391	SIMPKIN, HELEN E
1398	SAUNDERS, PETER H
1460	MCGOWAN, MICHAEL G
1493	BEAN, ZACHARY T
1505	RUBERT, GERALD L
1585	COWLTHORP DRAGLINES INC
2260	HAWKS FARM & GARDEN CENTER PROPERTIES LLC
2285	TADPOLE AUTO
2310	OCCUPANT UNKNOWN,
2340	ROBERT, LAUREN
2348	DYE, JOHN R
2415	GOTTHARDT, DAVID D
2431	HOOD, JAMES A
2473	K T SURPLUS ENT THERRIAULT, KENNETH W
2483	OCCUPANT UNKNOWN,
2525	AIR CENTER
2575	OCCUPANT UNKNOWN,
2577	AMBROSIO, BARBARA E
2681	EAGLES NEST CONDOMINIUM ASCTN EAGLES NEST CONDOMINIUM ASSOCIATION
2700	MCCORMICK, RICHARD L
2800	OCCUPANT UNKNOWN,
3115	OCCUPANT UNKNOWN,
3117	OCCUPANT UNKNOWN,
3135	HELEAN, MICHAEL B
3391	PIONEER BAPTIST CHURCH
3423	LYNNE, VICTOR A

OLD RICHARDSON HWY 2005 (Cont'd)

3427 CARDARO, PETER P
3433 OCCUPANT UNKNOWN,
3445 KNIGHT, KEVIN J
THE EIELSON CHURCH O CHRIST
3457 OCCUPANT UNKNOWN,
3477 OCCUPANT UNKNOWN,
3479 OCCUPANT UNKNOWN,
3560 MOOSE CREEK LODGE
3579 KALMAR, MICHAEL R
LAMM, CRAIG
LANNING, JOE
NO BURN DISTRIBUTORS OF ALASKA LLC
STEINLE, KENNETH M
3600 OCCUPANT UNKNOWN,
3614 CATILLER, AMY
MAMA CS
MAMA CS MOOSE CREEK KITCHEN

OLD RICHARDSON HWY 2000

831	49ER CLUB
1235	GROWDEN, JAY
1289	KEITH, R H
1324	LOWELL, DONALD
1360	OAKMAN, MICHAEL T
1460	MCGOWAN, MICHAEL G
2473	TERRIAULT, HECTOR
3115	ALLEN, NORRIS M WHITE, GENE C
3445	HOLLIDAY, WILLARD SWINNEY, HOWARD
3457	FASSOTTE, SHANY L MOOSE CREEK AUTO REPAIR & BODY SHOP
3465	OCCUPANT UNKNOWN,
3477	OCCUPANT UNKNOWN,
3511	OCCUPANT UNKNOWN,
3555	MOLLY ANNS BAKERY & FINE DINING OCCUPANT UNKNOWN,
3560	MOOSE CREEK LODGE
3577	PEREZ, RANDY L
3579	ARNOLD, TALISA M REYOR, MICHAEL R ROBERTS, S SETLOCK, DARRELL B
3614	MAMA CS MOOSE CREEK KITCHEN

CLAUDE ST 1995

3337 OCCUPANT UNKNOWNN

OLD RICHARDSON HWY 1995

829	CLUB TOKYO
905	OCCUPANT UNKNOWNN
933	OCCUPANT UNKNOWNN
935	MITCHELL, LORI A
945	OLSON, DAVID L
947	OLSON LUMBER & LOG
963	OCCUPANT UNKNOWNN
1237	OCCUPANT UNKNOWNN
1262	KARL, BERNIE
1289	OCCUPANT UNKNOWNN
1361	ACQUARA, ESTHER
1396	OCCUPANT UNKNOWNN
1398	SAUNDERS, PETER
2285	TADPOLE AUTO
2415	MINTON, F
2431	OCCUPANT UNKNOWNN
2439	NORTH POLE BODY & PAINT
2469	OCCUPANT UNKNOWNN
2473	HECTORS WELDING INC TERRIAULT, HECTOR
2525	AIR CENTER
2700	MCCORMICK, RICHARD L
2859	SANDBO, RUSSELL
3135	HELEAN, M B
3427	OCCUPANT UNKNOWNN
3445	CHURCH OF CHRIST SWINNEY, HOWARD
3457	FAIR, DAN MOOSE CREEK AUTOBODY
3555	JENSEN, DOUGLAS
3560	MOOSE CREEK LODGE
3579	DAIL, JERRY MACARTHUR, CAMERIN
3600	SKINNER, ALVIN
3614	LEONARDOS PIZZARIA



-

CLAUDE ST 1992

3354 LORAL AEROSPACE

OLD RICHARDSON HWY 1992

935	BRAHAM, JOHN
945	OLSON, DAVID L
1262	KARL, BERNIE
1289	BECWAR, RAY
2285	TADPOLE AUTO
2439	NORTH POLE BDY PAIN NORTH POLE BODY&PNT
2469	SEARS, JAMES D
2473	TERRIAULT, HECTOR
2525	AIR CENTER
2700	MCCORMICK, RICHARD L
2859	SANDBO, RUSSELL
2885	ALASKA CONTRACTING
2893	CALDWELL, BOB L
3445	CHURCH OF CHRIST SWINNEY, HOWARD
3457	FAIR, DAN MOOSE CRK AUTOBODY
3477	MOOSE CRK FIRE DEPT
3481	UNIV MOOSE CRK CTR
3614	LEONARDOS PIZZARIA LEONARDOS' PIZZARIA
4695	SMITTYS GARAGE

Old Richardson Hwy

1987

9

**OLD RICHARDSON HWY
—FROM AIRPORT WAY &
GAFFNEY ST SOUTH EAST**

ZIP CODE 99701

32 Vacant

146 Columbia Mobile Homes sls &
serv 451-7000

157 Alaskan Battery Enterprises
Inc 452-2002

★Romans Earl F 452-2002

205 Persinger's Marine 456-6821

253 Alaskan Cleaners The
456-7256

Carpenter Benj D © 456-7256

285 Silverspur restr & lounge
456-6300

340 Pizza Hut 456-6776

345 Sunset Inn restr & lounge
456-4754

No Return

440 Frontier Lodge & Wild Bill's
Saloon The restr 456-4733

Bar-B-Q-Pit Stop restr
451-8960

751 Teamsters Union Local Nine
Fifty Nine 452-8221

Alaska Teamsters Federal
Credit Union 456-6658

Fairbanks Athletic Club
452-6801

2-5mi Williams Russell H ©
452-2503

751 Teamsters Pharmacy 452-1705
Alaska Teamsters Employer
Service Corp 452-8221

2½ mi Fairbanks Sand & Gravel
Inc 452-4743

Old Richardson Hwy

1987

214

OLD RICHARDSON HWY

—Contd

1-4 International Bookstore &
Mini Theater 452-2723
Paris Massage 452-1068
1-4mi Vacant
7mi Chase Arctic Vacuum
Pumping & Steam Thawing
488-9005
Denali Mobile Homes Sales
451-8302
11mi Club Eleven restr 488-6611
Greig John B
12mi Lindsoe Larent ☉

King Dean ☉
Hite Loren C ☉ 488-9069
7 ½ Syverson Robt W ☉ 488-9031
7 ½mi Jackson James D ☉
488-2310
Northern Lights Freewill
Baptist Mission
1124 Lash Paul A ☉ 488-6956
7½mi Jenkins Norman R 488-2184
7½ mi Gieck Robt ☉ 488-6455
7½mi Hill Blain E 488-6898
Mc Fadden James C ☉
488-6695
1237 Ambuehl Alaskan Crafts
gifts
Ambuehl Donald R ☉
1262 Gehrke Curtis
8½mi Alaska Garage Door Co
488-6200
K & K Recycling Inc
488-1409

34

**OLD RICHARDSON HWY
(NORTH POLE)—FROM
NORTH WEST RICHARDSON
HWY EAST**

ZIP CODE 97705
NUMBER IRREGULAR

6mi Becwar Ray ☉ 488-6604
301 Alaska R R (Section
Foreman) 488-2237
900 Mc Peak Sand & Gravel Inc
488-4242
831 Forty Nine'er Club tavern
488-0626
6 mi Conley Tim 488-9024
Yrjana Wm H 488-6638
Dunehew Bill C ☉ 488-6690
Knight Phyllis G ☉
6mi Conley Michl D 488-6482
986 Dempsey Robt H ☉ 488-9766
6½mi Krause Shirley 488-6851
1031 El Rancho Motel 488-2278
Sweet Mike 488-2278
6½mi A B C Block & Precast
bldg matls 488-6334
Mark Michl R 488-6334
907 Circle M bar & lounge
488-9956
6½ Massingill Owen R ☉
488-6928
6 ½ mi Ginn Carl W ☉ 488-6609
6½mi Olson Lumber & Log Mill
488-6465
Lowell Donald E 488-2879
Simpkin Richd ☉ 488-2185
Great Land Health Food
7½mi Williams Stanley H ☉
488-3846
7 ½mi Moneymaker Paul Danl ☉
488-9797

**OLD STEESE HWY —FROM
CHENA RIVER NORTHEAST**

6

ZIP CODE 99701

155 Under Constn
157 Lettershop The 452-4035
Northern Transfers & Screens
456-1650
160 Crafton's Furniture Inc
452-4747
2D ST INTERSECTS
200 Burger King 452-8591
CIRCLE AV INTERSECTS
230 Sunshine Travel 452-8992
3D ST INTERSECTS
300 Micro Age Computer Store sls
& supplies 456-3524
306 Transalaska Data Systems
456-3524
308 City Mortgage mtge loans
452-8843
314 Fedalaska Federal Credit
Union 456-2362
316a Susan's Doll Shop 451-7980
316b Katskin 479-0965
322 Alaskan Federal Credit Union
452-4239
324 Linens & Lace 456-3322
330 Baker & Baker Booksellers
456-2278
332 Baker & Baker
338 A Moveable Feast 456-4701

Old Richardson Hwy

1982

O'CONNOR RD—Contd

40 Nelson Eldon D 456-8880
 41★Yates Del G
 42★Breeze Darryl
 43★Cooper Eug R ☉
 44 No Return
 45★Bower Martin
 ★Lee Vernon J Jr 456-7950

WARREN AV ENDS
 BUNNEL ST ENDS

34

**OLD RICHARDSON HWY
 (NORTH POLE)—FROM
 NORTH WEST RICHARDSON
 HWY EAST**

ZIP CODE 97705

6mi Arctic Redi Mix concrete
 supps 488-2388
 Alaska Sand & Gravel
 Club Tokyo restr 488-2301
 Lloyd's Liquor 488-2301
 Ritter Lloyd
 Forty Nine'er Club tavern

6 mi Mc Key Jerry
 Faulken Irene
 ★Gentlemen Dennis M
 488-6634
 ★Spaulding K C ☉
 Kness Robt ☉
 Cabbits Donald ☉
 Fisher Gregory ☉
 Germme Michl
 Mc Neil Joanne
 No Return
 ★Beebe Loy 488-9578
 ★Hess Bernard J
 ★Fiebeit Harris I
 Daniel Herbert H 488-6434

6mi Oldham Chester G

6 mi Turnipseed Thos P 488-2468
 ★Harris Gilbert J
 ★Peyton James M
 Thomsett Peter R 488-9310
 Becwar Ray 488-6604
 ★Herlow Brett
 ★Gerraght June G
 Hurn Gene 488-2475
 ★Marshall James D
 ★Holland Jim O
 Schott Albert C 488-3663
 ★Shepperd Clinton
 ★Karlton Brenda L
 Eckbeck E 488-9759
 ★Holt Harry E

★Ashton Robt

★Parker Wanda C

★Waite Jennifer

★Creamer Walter

6mi Davison Jesse 488-6180

6 mi★Homer James J

★Mc Farland Karen

Six Mile Trailer Court

★Karis Jim B

★Conley Tim 488-9024

★Fitzgerald L G 488-9566

★Yrjana Wm H 488-6638

Young Francis R 488-6449

★Sullivan James P 488-2944

★Critchfield M A 488-6826

★Bennett Scott S 488-9661

Bennett Michl B A 488-9090

★Wright Danl V

Dunehew Bill C 488-6690

★Knight Pyllis G

Carter Marvin J 488-9553

Conley Michl 488-6482

Pennington Glen 488-6516

★Dwight James J

★Phillip June

6mi Durkin Gilbert D

6 mi Eades

★Romeny Ronnie

★Gates Eldon

★Michaelson Gary M

Johnston Gordon W 488-6685

★Womack Del

★Furness Walt

★Murphy Dottie

★Hampton Dean

6½mi Klondike Signs Inc coml
 sign preparation

Dangerfield Michl A

El Rancho Motel 488-2278

Sealard James

A B C Block & Precast

bldg matls 488-6334

6 ½mi★Ahsehn Wm 488-2762

6½mi Stubbs Ronald J ☉
 488-2365

6½★Massingill Owen R 488-6928

6 ½ mi 2* ★Ginn Carl
 488-6609

6½mi Anderson Joe L 488-9154

6½ mi Olson Log Mill 488-6465

★Lowell Donald 488-2879

Simpkin Richd 488-2185

★Schrank A W Jr 488-6017

Hollandsworth

Great Land Health Food

488-6717

Old Richardson Hwy

1982

OLD RICHARDSON HWY (NP)

—Contd

- 7 ½mi Moneymaker Danl Paul
488-9797
- 7½ mi Hendrickson Joe W ☉
488-6265
- 7 ½mi★Wells Ronald R 488-9071
Krause Duane R 488-3820
Campbell Donald N ☉
488-6264
King Dean 488-6282
Hite Loren C ☉ 488-9069
- 7 ½ Syverson Robt W ☉ 488-9031
- 7½mi Bodenstadt Gary ☉
488-2483
- 7 ½mi Jackson James D ☉
488-2310
Northern Lights Freewill
Baptist Mission
- 7½mi Elsbergs David 488-3398
Lash Paul A ☉ 488-6956
- 7½ mi Hofland Donald ☉
488-3350
- 7 ½mi Hofland Arnold 488-9881
- 7½ mi Whittle Ora L 488-6467
Jenkins Norman B
488-2184
Clark John 488-3872
Gieck Robt 488-6455
- 7½mi Hill Blain E 488-6898
Sandra's Parka's
- 7½ mi★Mc Fadden James C
488-6695
Mc Gowan Michl G
488-2096
★Taylor Roger D 488-9788
- 7½mi Wridge Doug 488-2143
- 7½ mi★Thibedeau M 488-2647
★Almquist Wm 488-6625
★Jones James A 488-2196
★Sirk James 488-2017
★Kokatorvick Geo 488-2651
1★Berry James J
2 Arthur Tony E 488-2419
- 8mi Ambuehl Alaskan Crafts
crafts & gifts 488-9679
- 8 mi Ambuehl Donald K ☉
488-9679
King Trucking 488-6500
★Scruba Donald
Culbertson Mark E 488-2588
★Sanka Paul
- 8½mi D & M Door Co Inc
488-6200
Alaska Garage Door Mfg
Co 488-6200

Old Richardson Hwy

1978

34

**OLD RICHARDSON HWY
(NORTH POLE)—FROM
NORTH WEST RICHARDSON
HWY EAST**

ZIP CODE 97705

**6mi Arctic Redi Mix concrete
supps 456-5700**

**Alaska Sand & Gravel
456-5700**

Club Tokyo restr 488-2301

Lloyd's Liquor 488-2301

Forty Nine'er Club tavern

6½mi King Trucking 456-1772

**Fairbanks Truck Parts &
Equipment Rental sls-
rental 456-1772**

**Klondike Signs Inc coml
sign preparation 488-6863**

El Rancho Motel 488-2278

**A B C Block & Precast
bldg matls 488-6334**

16

APPENDIX D

REGULATORY RECORDS DOCUMENTATION



First Student

4443 Claude Street
North Pole, AK 99705

Inquiry Number: 6623441.2s
August 17, 2021

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	49
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-12
Physical Setting Source Map Findings	A-14
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4443 CLAUDE STREET
NORTH POLE, AK 99705

COORDINATES

Latitude (North): 64.7166980 - 64° 43' 0.11"
Longitude (West): 147.1905420 - 147° 11' 25.95"
Universal Tranverse Mercator: Zone 6
UTM X (Meters): 490919.2
UTM Y (Meters): 7176701.5
Elevation: 515 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: N/A
Source: U.S. Geological Survey

MAPPED SITES SUMMARY

Target Property Address:
 4443 CLAUDE STREET
 NORTH POLE, AK 99705

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	EIELSON AIR FORCE BA		DOD	Same	4151, 0.786, SSE
1	MAT-SU (AKA MOOSE CR	343 MOOSE CREEK AVEN	SHWS, LUST	Higher	41, 0.008, ENE
A2	MOOSE CREEK BUS BARN	4440 MOOSE CREEK AVE	LUST	Higher	108, 0.020, NE
A3	MOOSE CREEK BUS BARN	4440 MOOSE CREEK AVE	SHWS	Higher	108, 0.020, NE
B4	MOOSE CREEK GENERAL	3349 CLAUDE ST	UST, Financial Assurance	Higher	133, 0.025, WNW
B5	MOOSE CREEK GENERAL	4402 AL CORY DRIVE	LUST	Higher	335, 0.063, West
B6	MOOSE CREEK GENERAL	4402 AL CORY DRIVE	SHWS	Higher	335, 0.063, West
7	SANI-KLEAN SERVICE S	TL-2902	SHWS, ENG CONTROLS, INST CONTROL, BROWNFIELDS	Higher	724, 0.137, ESE
8	DESC MP 20.3 EIELSON	MP 20.3 EIELSON PIPE	SHWS, INST CONTROL	Higher	2452, 0.464, ENE
9	EIELSON AFB RR R/W		FUDS	Higher	3038, 0.575, East
10	FNSB - NORTH STAR VO	3477 OLD RICHARDSON	SHWS	Lower	3932, 0.745, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Regulated Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
CDL..... Illegal Drug Manufacturing Sites
US CDL..... National Clandestine Laboratory Register
PFAS..... PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

SPILLS..... Spills Database
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
ECHO..... Enforcement & Compliance History Information
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... AIRS Facility Listing
COAL ASH..... Coal Ash Disposal Sites
DRYCLEANERS..... Drycleaner Facility Listing
Financial Assurance..... Financial Assurance Information Listing
NPDES..... Wastewater Discharge Permit Listing
UIC..... UIC Information
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

SHWS: State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with where cleanup will be paid for by potentially responsible parties.

A review of the SHWS list, as provided by EDR, and dated 05/21/2020 has revealed that there are 6 SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>MAT-SU (AKA MOOSE CR)</i> Facility Status: Cleanup Complete Hazard ID: 24196	<i>343 MOOSE CREEK AVEN</i>	<i>ENE 0 - 1/8 (0.008 mi.)</i>	<i>1</i>	<i>8</i>
MOOSE CREEK BUS BARN Facility Status: Cleanup Complete Hazard ID: 24973	4440 MOOSE CREEK AVE	NE 0 - 1/8 (0.020 mi.)	A3	10
MOOSE CREEK GENERAL Facility Status: Active Hazard ID: 24244	4402 AL CORY DRIVE	W 0 - 1/8 (0.063 mi.)	B6	14
<i>SANI-KLEAN SERVICE S</i> Facility Status: Cleanup Complete - Institutional Controls Hazard ID: 24962	<i>TL-2902</i>	<i>ESE 1/8 - 1/4 (0.137 mi.)</i>	<i>7</i>	<i>21</i>
<i>DESC MP 20.3 EIELSON</i> Facility Status: Active	<i>MP 20.3 EIELSON PIPE</i>	<i>ENE 1/4 - 1/2 (0.464 mi.)</i>	<i>8</i>	<i>34</i>

EXECUTIVE SUMMARY

Hazard ID: 4327

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FNSB - NORTH STAR VO Facility Status: Cleanup Complete Hazard ID: 24430	3477 OLD RICHARDSON	ESE 1/2 - 1 (0.745 mi.)	10	48

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Pollution Control & Ecology's LUST Notice Information.

A review of the LUST list, as provided by EDR, and dated 05/07/2021 has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAT-SU (AKA MOOSE CR) eventid: 24196 Facility Status: Cleanup Complete	343 MOOSE CREEK AVEN	ENE 0 - 1/8 (0.008 mi.)	1	8
MOOSE CREEK BUS BARN eventid: 24973 Facility Status: Cleanup Complete	4440 MOOSE CREEK AVE	NE 0 - 1/8 (0.020 mi.)	A2	10
MOOSE CREEK GENERAL eventid: 24244 Facility Status: Open	4402 AL CORY DRIVE	W 0 - 1/8 (0.063 mi.)	B5	13

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Pollution Control & Ecology's RST Owner & Facilities database.

A review of the UST list, as provided by EDR, and dated 05/07/2021 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MOOSE CREEK GENERAL Facility Id: 2199 Tank Status: Permanently Out of Use Tank Status: Currently in Use	3349 CLAUDE ST	WNW 0 - 1/8 (0.025 mi.)	B4	12

EXECUTIVE SUMMARY

State and tribal institutional control / engineering control registries

A listing of sites with engineering controls in place included in the Contaminated Sites.

A review of the ENG CONTROLS list, as provided by EDR, and dated 05/21/2020 has revealed that there is 1 ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANI-KLEAN SERVICE S Facility Status: Cleanup Complete - Institutional Controls Hazard ID: 24962	TL-2902	ESE 1/8 - 1/4 (0.137 mi.)	7	21

INST CONTROL: Contaminated sites that have institutional controls.

A review of the INST CONTROL list, as provided by EDR, and dated 05/21/2020 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANI-KLEAN SERVICE S Facility Status: Cleanup Complete - Institutional Controls Hazard ID: 24962	TL-2902	ESE 1/8 - 1/4 (0.137 mi.)	7	21
DESC MP 20.3 EIELSON Facility Status: Active Hazard ID: 4327	MP 20.3 EIELSON PIPE	ENE 1/4 - 1/2 (0.464 mi.)	8	34

State and tribal Brownfields sites

BROWNFIELDS: Brownfield properties are defined by U.S Environmental Protection Agency (EPA) as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contamination ." DEC is developing resources to assist eligible entities in Alaska in applying for EPA brownfields grants. The program also will provide technical assistance and perform some site assessments, The purpose of these assessments is to assist local redevelopment efforts on previously contaminated properties that are vacant or underused.

A review of the BROWNFIELDS list, as provided by EDR, and dated 05/21/2020 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SANI-KLEAN SERVICE S Facility Status: Cleanup Complete - Institutional Controls Hazard ID: 24962	TL-2902	ESE 1/8 - 1/4 (0.137 mi.)	7	21

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 05/04/2021 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EIELSON AFB RR R/W		E 1/2 - 1 (0.575 mi.)	9	47

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

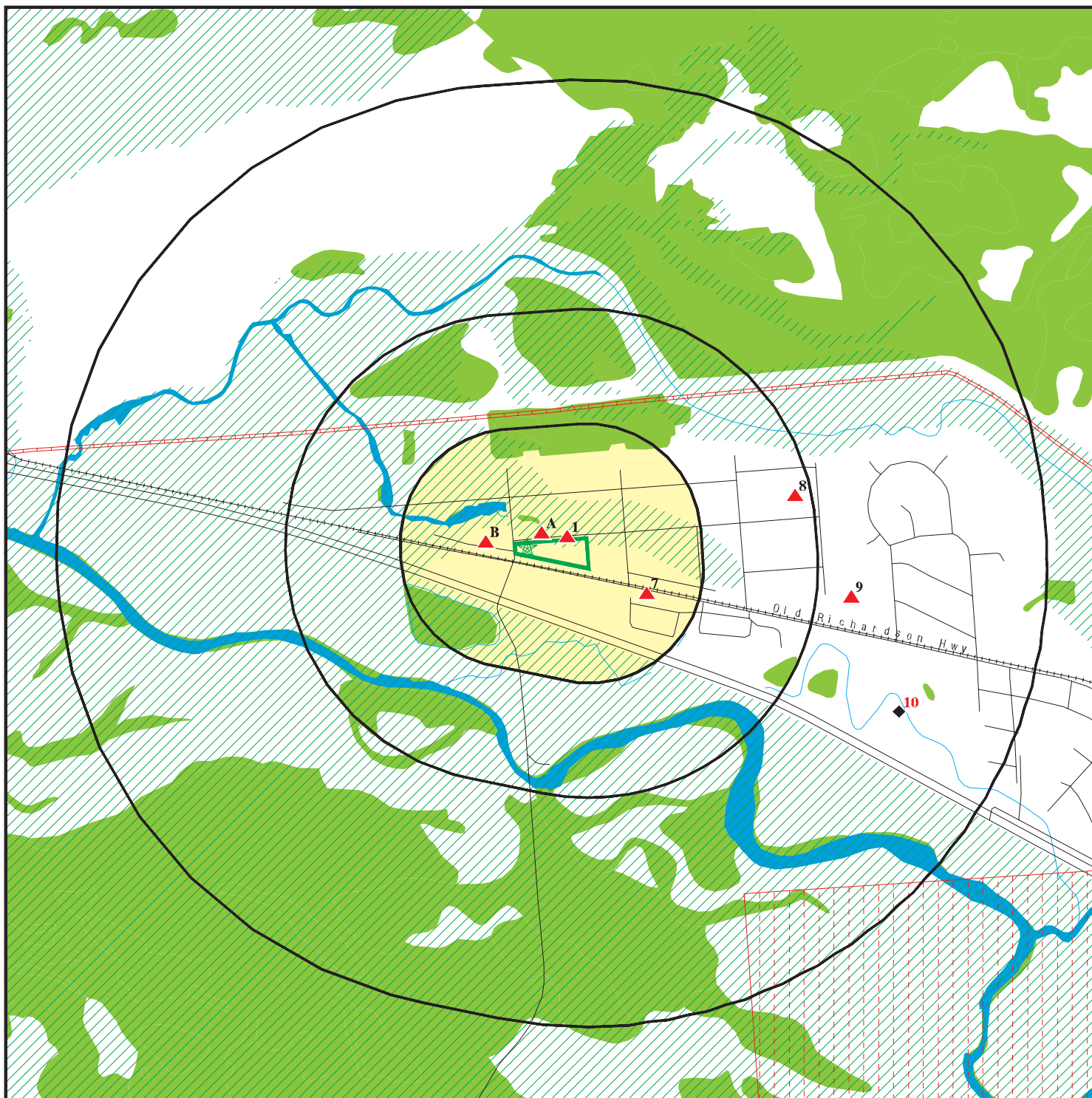
A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.







<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EIELSON AIR FORCE BA		SSE 1/2 - 1 (0.786 mi.)	0	8







EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6623441.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Pipelines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands








This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.







SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole AK 99705
 LAT/LONG: 64.716698 / 147.190542

CLIENT: STRATA Environmental Serv Inc.
 CONTACT: Paul Platillero
 INQUIRY #: 6623441.2s
 DATE: August 17, 2021 4:57 pm

DETAIL MAP - 6623441.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Pipelines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole AK 99705
 LAT/LONG: 64.716698 / 147.190542

CLIENT: STRATA Environmental Serv Inc.
 CONTACT: Paul Platillero
 INQUIRY #: 6623441.2s
 DATE: August 17, 2021 4:58 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		3	1	1	1	NR	6
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		3	0	0	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	1	0	NR	NR	1
INST CONTROL	0.500		0	1	1	NR	NR	2
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	1	0	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	1	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
--------	-------	--	---	----	----	----	----	---

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	7	4	2	3	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOD
Region
SSE
1/2-1
4151 ft.

EIELSON AIR FORCE BASE
EIELSON AIR FORCE BASE (County), AK

DOD **CUSA148249**
N/A

DOD:

Feature 1: Air Force DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Eielson Air Force Base
Name 2: Not reported
Name 3: Not reported
State: AK
DOD Site: Yes
Tile name: AKFAIRBANKS_NORTH_STAR

1
ENE
< 1/8
0.008 mi.
41 ft.

MAT-SU (AKA MOOSE CREEK BUS BARN)
343 MOOSE CREEK AVENUE 343 OLD RICHARDSON HWY
FAIRBANKS, AK 99701

SHWS **S109256055**
LUST **N/A**

Relative:
Higher
Actual:
515 ft.

SHWS:

Name: MAT-SU (AKA MOOSE CREEK BUS BARN)
Address: 343 MOOSE CREEK AVENUE 343 OLD RICHARDSON HWY
City,State,Zip: FAIRBANKS, AK 99701
File Number: 100.26.015
Staff: Not reported
Facility Status: Cleanup Complete
Latitude: 64.717020
Longitude: -147.187520
Hazard ID: 24196
Problem: Possible Lust site. A neighbor called to complain about the condition & presence of drums at the site. An initial investigation reveals that the site is probably not an immediate hazard to public but that it may be a LUST site and further work will need to be done. As of 12/12/90 the barn is vacant and neighbors report that Mayflower Transit was leasing the building.(rpltr4)(CR)This site is a duplicate of Moose Creek Bus Barn, event ID 2154.

Actions:

Action Date: 9/25/1991
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: NOR; NORL sent by Timmons 10/01/91 as a result of spill notification on 9/25/91. Owners did not respond.

Action Date: 7/5/1991
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: REM; 4/1/91 DEC rec'd notice from owner of 7/5/91 removal of (1) 4,000 gal. 15 yr old gasoline tank.

Action Date: 7/3/1990
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: * Not Assigned
Action Description: PA;

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAT-SU (AKA MOOSE CREEK BUS BARN) (Continued)

S109256055

Action Date: 7/3/1990
Action: Site Added to Database
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 7/16/1991
Action: Leaking Underground Storage Tank Cleanup Initiated - Petroleum
DEC Staff: * Not Assigned
Action Description: LCAU; June 1994 Release Investigation by RZA AGRA submitted to ADEC on 6/17/94.

Action Date: 5/3/1993
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: RPL2; Kalu sent letter to PRP requesting response by no later than 5/20/93 with proposed line of action.

Action Date: 5/29/1992
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: UPD; 4/18/91 owners submitted tank tightness test. 9/26/91 VRCA, RPCON faxes lab results. TPH range = 89-337, gas range organics 89-254, BTEX 8.41, 4.84, 4.46, 15.49 respectively.

Action Date: 3/12/2007
Action: Site Closure Approved
DEC Staff: Douglas Bauer
Action Description: No Further Action letter issued by Larry Johnson on 12/16/04. This appears to be the same site listed under Event ID 2154.

Action Date: 2/17/1993
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: * Not Assigned
Action Description: SA1R; Kalu: Site assessment was completed on April 30. Further action in form of corrective action is required of RP. RP has been asked to respond with proposed line of action.

Action Date: 1/28/2004
Action: Update or Other Action
DEC Staff: Cynthia Pring-Ham
Action Description: Transferred DEC staff lead from John Carnahan

LUST:

Name: MAT-SU (AKA MOOSE CREEK BUS BARN)
Address: 343 MOOSE CREEK AVENUE 343 OLD RICHARDSON HWY
City,State,Zip: FAIRBANKS, AK 99701
Facility Status: Cleanup Complete
Record Key: 1990310018404
File ID: 100.26.015
Oname: Joe & Mary Blackard
Lat/Lon: 64.71702 -147.1875
Lust Event ID: 942
CS or Lust: LUST
Borough: Fairbanks North Star
Staff: No Longer Assigned
Site Type: Maintenance Yard/Shop

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MAT-SU (AKA MOOSE CREEK BUS BARN) (Continued)

S109256055

Horizontal Datum: Not reported

**A2
NE
< 1/8
0.020 mi.
108 ft.**

**MOOSE CREEK BUS BARN
4440 MOOSE CREEK AVE
NORTH POLE, AK 99705**

**LUST S106802119
N/A**

Site 1 of 2 in cluster A

**Relative:
Higher
Actual:
515 ft.**

LUST:
Name: MOOSE CREEK BUS BARN
Address: 4440 MOOSE CREEK AVE
City,State,Zip: NORTH POLE, AK 99705
Facility Status: Cleanup Complete
Record Key: 1991310026802
File ID: 100.26.015
Oname: Joe & Mary Blackard
Lat/Lon: 64.71722 -147.1858
Lust Event ID: 2154
CS or Lust: LUST
Borough: Fairbanks North Star
Staff: No Longer Assigned
Site Type: Unknown
Horizontal Datum: Not reported

**A3
NE
< 1/8
0.020 mi.
108 ft.**

**MOOSE CREEK BUS BARN
4440 MOOSE CREEK AVE
NORTH POLE, AK 99705**

**SHWS S109256758
N/A**

Site 2 of 2 in cluster A

**Relative:
Higher
Actual:
515 ft.**

SHWS:
Name: MOOSE CREEK BUS BARN
Address: 4440 MOOSE CREEK AVE
City,State,Zip: NORTH POLE, AK 99705
File Number: 100.26.015
Staff: Not reported
Facility Status: Cleanup Complete
Latitude: 64.717225
Longitude: -147.185876
Hazard ID: 24973
Problem: Not reported

Actions:

Action Date: 9/25/1991
Action: Site Added to Database
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 9/19/2003
Action: Leaking Underground Storage Tank Corrective Action Underway
DEC Staff: Deborah Williams
Action Description: ADEC received a CAP for the former 2000-gallon and 4000-gallon gasoline USTs, and one non-regulated 500-gallon buried heating oil tank. The CAP consists of : Advancing three direct push soil borings and collecting soil samples; installing three push point temp. gw monitoring wells and collecting water samples; and determining groundwater flow direction by completing a well elevation survey.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK BUS BARN (Continued)

S109256758

Action Date: 3/18/2004
Action: Update or Other Action
DEC Staff: Cynthia Pring-Ham
Action Description: RECKEY has automatically been generated.

Action Date: 3/12/2007
Action: Update or Other Action
DEC Staff: Douglas Bauer
Action Description: This site (Event 2154) appears to be a duplicate of Event 942.

Action Date: 12/16/2004
Action: Site Closure Approved
DEC Staff: Deborah Williams
Action Description: Site closure letter drafted for Moose Creek Bus Barn.

Action Date: 11/4/2004
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: Corrective Action Report was received by ADEC. Three soil borings/monitoring wells were installed crossgradient to the former UST area, in the area of the former UST area and downgradient of the former UST area. Soil and groundwater was analyzed for DRO, GRO, BTEX and soil in the former UST area was also analyzed for arsenic, cadmium, chromium, and lead. All levels were ADEC cleanup levels except for the arsenic levels in the one soil sample which was 5.6 mg/kg which is within the background levels for the Fairbanks area. The consultant requests a NFA determination for the site.

Action Date: 11/2/1999
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: * Not Assigned
Action Description: AGRA E&E

Action Date: 11/2/1999
Action: Leaking Underground Storage Tank Cleanup Initiated - Petroleum
DEC Staff: * Not Assigned
Action Description: AGRA E&E

Action Date: 11/2/1999
Action: Release Investigation
DEC Staff: * Not Assigned
Action Description: Proposed - additional RI conducted next door at Moose Creek General Store

Action Date: 1/28/2004
Action: Update or Other Action
DEC Staff: Cynthia Pring-Ham
Action Description: Transferred DEC staff lead from John Carnahan

Action Date: 1/11/2002
Action: Update or Other Action
DEC Staff: John Carnahan
Action Description: Test - 2001 GW report received

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B4
WNW
< 1/8
0.025 mi.
133 ft.

MOOSE CREEK GENERAL STORE
3349 CLAUDE ST
NORTH POLE, AK 99705

UST **U003090376**
Financial Assurance **N/A**

Site 1 of 3 in cluster B

Relative:
Higher
Actual:
515 ft.

UST:
Name: MOOSE CREEK GENERAL STORE
Address: 3349 CLAUDE ST
City: NORTH POLE
Zip: 99705
Facility ID: 2199
Facility Type: Gas Station
Owner ID: 1427
Owner Name: Moose Creek General Store
Owner Address: 3349 Claude Street
Owner City,St,Zip: North Pole, AK 99705

Tank ID: 1
Tank Status: Permanently Out of Use
Tack Capacity: 4000
Tank Product: Gasoline
Installed Date: 09/19/1972
Regulated Tank: Yes

Tank ID: 2
Tank Status: Permanently Out of Use
Tack Capacity: 4000
Tank Product: Gasoline
Installed Date: 09/19/1972
Regulated Tank: Yes

Tank ID: 3
Tank Status: Permanently Out of Use
Tack Capacity: 2000
Tank Product: Diesel
Installed Date: 09/19/1972
Regulated Tank: Yes

Tank ID: 4
Tank Status: Permanently Out of Use
Tack Capacity: 2000
Tank Product: Diesel
Installed Date: 09/19/1972
Regulated Tank: Yes

Tank ID: 5
Tank Status: Permanently Out of Use
Tack Capacity: 2000
Tank Product: Gasoline
Installed Date: 09/19/1972
Regulated Tank: Yes

Tank ID: 6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

U003090376

Tank Status: Currently in Use
Tack Capacity: 10000
Tank Product: Gasoline
Installed Date: 06/01/1993
Regulated Tank: Yes

AK Financial Assurance 1:

Name: MOOSE CREEK GENERAL STORE
Address: 3349 CLAUDE ST
City,State,Zip: NORTH POLE, AK 99705
Region: 1
Financial Responsibility: WITHOUT PROOF OF FINANCIAL RESPONSIBILITY
Facility ID: 2199
Facility Type: Gas Station
Owner ID: 1427
Owner Name: Moose Creek General Store
Owner Addr: 3349 Claude Street
Owner City: North Pole
Owner State: AK
Owner Zip: 99705
Owner City,St,Zip: North Pole, AK 99705
Policy Begin Date: 12/18/2019
Policy End Date: 12/18/2020

B5
West
< 1/8
0.063 mi.
335 ft.

MOOSE CREEK GENERAL STORE
4402 AL CORY DRIVE
NORTH POLE, AK 99705
Site 2 of 3 in cluster B

LUST S106672803
N/A

Relative:
Higher
Actual:
515 ft.

LUST:
Name: MOOSE CREEK GENERAL STORE
Address: 4402 AL CORY DRIVE
City,State,Zip: NORTH POLE, AK 99705
Facility Status: Open
Record Key: 1990310034401
File ID: 100.26.057
Oname: Moose Creek General
Lat/Lon: 64.71743 -147.1899
Lust Event ID: 973
CS or Lust: LUST
Borough: Fairbanks North Star
Staff: Laura Jacobs
Site Type: Gas Station
Horizontal Datum: NAD27

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B6 **MOOSE CREEK GENERAL STORE**
West **4402 AL CORY DRIVE**
< 1/8 **NORTH POLE, AK 99705**
0.063 mi.
335 ft. **Site 3 of 3 in cluster B**

SHWS **S109255203**
N/A

Relative:
Higher
Actual:
515 ft.

SHWS:
Name: MOOSE CREEK GENERAL STORE
Address: 4402 AL CORY DRIVE
City,State,Zip: NORTH POLE, AK 99705
File Number: 100.26.057
Staff: Janice Wiegers, 9074512127 , janice.wiegers@alaska.gov
Facility Status: Active
Latitude: 64.717430
Longitude: -147.189920
Hazard ID: 24244
Problem: 470 funds requested by Timmons in order to perform site assessment. The resident of the house has since moved out due to strong fumes and contaminated drinking water. State-Lead site. Kalu changed file from 100.38.007.(FY93.2)(rpltr9)

Actions:

Action Date: 9/5/2012
Action: Site Visit
DEC Staff: Janice Wiegers
Action Description: Met Al Samuel at site to survey monitoring wells, sparge wells, and vapor extraction wells. Found 8 monitoring wells, 11 vapor extraction wells, and 5 sparge wells. Many wells were not found and were probably previously decommissioned, covered, or destroyed by plowing. Discussed well decommissioning and groundwater monitoring with Al.

Action Date: 9/4/1993
Action: Leaking Underground Storage Tank Cleanup Initiated - Petroleum
DEC Staff: * Not Assigned
Action Description: LCAU; Kalu - Soil has been excavated. Free product recovery underway.

Action Date: 9/29/2011
Action: Update or Other Action
DEC Staff: Janice Wiegers
Action Description: DEC sends letter requesting information on groundwater monitoring. Groundwater sampling was last requested in 2007, but no sampling results are available in the DEC file.

Action Date: 9/15/1992
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: UPD; SA1 underway and monitor wells installed. Free product on water table and groundwater is contaminated. CAP is being developed by consultant.

Action Date: 9/1/1992
Action: Release Investigation
DEC Staff: * Not Assigned
Action Description: SA2; Kalu.

Action Date: 8/3/2004
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: ADEC drafted a letter to the RP making comments on the 2004 Annual Report for Moose Creek General Store. Also, ADEC stated the minimum

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

S109255203

requirements for groundwater sampling at the site would be sampling drinking water wells (WW-1, WW-2, and A-50) annually for BTEX using EPA Method 524.2. In addition, these wells should be sampled for EDB using EPA Method 504. The monitoring wells (MW-26, MW-9, and MW-25) should be sampled annually for GRO/BTEX using AK Method 101/8021. In addition, MW-9 should also be sampled and analyzed for EDB using EPA Method 504. After two years of data have been collected, the data can be evaluated for trends and a possible NFRAP determination could be issued.

Action Date: 8/19/2019
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Based on a financial evaluation, the responsible party for this site cannot afford additional cleanup actions at this time. A letter was sent to the RP documenting this determination.

Action Date: 8/15/1994
Action: Leaking Underground Storage Tank Corrective Action Underway
DEC Staff: * Not Assigned
Action Description: LCAR; Kalu - Final design of remedial system has been completed. Installation should commence soon. The recovery of free product is still ongoing.

Action Date: 7/3/2019
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Contacted by Engineering firm to review site information in preparation for project to install water lines along Al Cory Drive and Claude Street next year.

Action Date: 7/12/2019
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Follow up call with owner to discuss ability to pay for ongoing monitoring.

Action Date: 7/11/2003
Action: Report or Workplan Review - Other
DEC Staff: Deborah Williams
Action Description: ADEC received the analytical results from the groundwater sampling that occurred in June 2003. MW-9 had levels of 254 ppb benzene, MW-5 had levels of 221 ppb benzene and MW-26 (located next to the store's septic system) had 520 ppb benzene. The Altig's residence well (50' bgs) and pond that is used by the neighborhood children as a swimming hole were both non-detect.

Action Date: 7/1/2003
Action: Report or Workplan Review - Other
DEC Staff: Deborah Williams
Action Description: A work plan was submitted to ADEC to address the following concerns at the Moose Creek General Store site. Indoor air monitoring at the store and nearby residences (winter and summer events); Remediation System Work which includes Remediation System Assessment, Operation and Maintenance Manual, and Remediation System Upgrade; Monitoring Well Installation; and Groundwater and Surface Water Monitoring, Survey, and Reporting.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

S109255203

Action Date: 7/1/1994
Action: Leaking Underground Storage Tank Corrective Action Underway
DEC Staff: * Not Assigned
Action Description: LCAR; Kalu - Final design of remedial system will be completed by mid-september.

Action Date: 6/6/1994
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: CORR; Wingerter sent letter informing RP of their financial liability under new ADEC cost recovery policy. State is authorized, under Section 9003(h) of the Resource Conservation and Recovery Act to take action on this LUST facility.

Action Date: 6/5/2003
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: The 2002 annual report was received by ADEC. According to the report, the leading edge of the plume has moved beyond MW-9. The BTEX concentration in the plume in the source area and near MW-9 is decreasing over time.

Action Date: 6/28/2019
Action: Meeting or Teleconference Held
DEC Staff: Janice Wiegers
Action Description: DEC reviewed file to determine status. Contacted owner to discuss monitoring requirements and options for completing monitoring. Discussed the owners ability to pay for this work.

Action Date: 6/27/1991
Action: Leaking Underground Storage Tank Corrective Action Underway
DEC Staff: * Not Assigned
Action Description: RAPR; Timmons submitted work plan and request for funding via 470 funds to conduct a site assessment at the site. Known or suspected sources of contamination are: 3 potential LUST sites and an old military spill possibly connected with the Eielson - Ft. Wainwright fuel pipeline. Proposes 4-5 soil borings, 4-5 groundwater samples and 15-20 surface and subsurface soil samples. Analysis for diesel range organics, gasoline range organics, volatile aromatic compounds, and PCBs.

Action Date: 6/24/2004
Action: Report or Workplan Review - Other
DEC Staff: Deborah Williams
Action Description: Received 2004 Annual Report for Moose Creek General Store. MW-26 showed benzene cont. at 766 ppm and EDB at 9.64 ppm. Drinking water wells (WW-1 and WW-2) were sampled and determined to be non-detect for GRO, BTEX and EDB.

Action Date: 6/20/1994
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: RPL2; Peterson sent PRP-CS Database Notification Letter to RP requesting update and more environmental information concerning contaminated site. John Carnahan(479-7586) from RZA responded by calling to inform that RP had contracted them to follow up and complete work on site. RPCON responded with completed information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

S109255203

form.

Action Date: 6/10/2016
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Contacted by owner to discuss treatment being installed on drinking water wells at the site by the Air Force due to the Moose Creek plume of perfluorinated compounds. Discussion with the DEC project manager about this treatment indicated any petroleum that might be present would be taken care of by the treatment system. The owner of the Moose Creek General store plans to sample the monitoring wells around July 1, when they are most likely to be thawed. Drinking water well testing will occur later due to limited funding.

Action Date: 5/11/2010
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Request to sample for sulfolane sent to Al Samuel. Mr. Samuel responded indicating he is planning to collect groundwater samples in the fall under the long-term monitoring plan. Susan Amundson will conduct the groundwater sampling event and will contact DEC at the time about which well to sample for sulfolane.

Action Date: 4/26/2007
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: Meeting with supervisor to discuss future remediation requirements for the site. According to the file, the primary pathways of concern at the site appear to be the Vapor Intrusion Pathway and the Groundwater Ingestion Pathway. The two drinking waters on site are WW1 and WW2 and are 60 feet deep. One downgradient well exists offsite on the Altig's residence is approx. 50 feet deep. WW1 was sampled in 94, 95, 03, and 04 and the results have always been non-detect for GRO and BTEX. WW-2 has been sampled in 03, 04, 05, and 06. The samples were non-detect for GRO and BTEX. In 05 and 06 the sample from the well was analyzed for EDB and was non-detect. A-50 drinking water well is located further downgradient and was sampled in 03, 05, and 06. All the samples have in non-detect for GRO and BTEX. In 05 and 06, the sample from the well was analyzed for EDB and was non-detect. For evaluating the Vapor Intrusion Pathway for the residences within in the plume area, indoor air samples were collected in 03 and 04. The highest result was 3.7 ug/m3 in 03 from the Allen's property. The levels exceed EPA screening levels for indoor air but could be attributed to background levels. The groundwater plume appears to be stable and confined to the property which includes the rental property adjacent to the store.

Action Date: 4/20/2009
Action: Proposed Plan
DEC Staff: Neal Everson
Action Description: DEC proposed a plan for RP to obtain site closure- sent letter in response to RP's request. At minimum, wells not intended for future use need decommissioned, long term monitoring plan needs maintained, ICs must be established including possible COBC, deed notice. See letter.

Action Date: 4/19/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

S109255203

Action: Leaking Underground Storage Tank Corrective Action Underway
DEC Staff: * Not Assigned
Action Description: CAPR; Kalu - reviewed and approved phase II CAP. Final budget is under review and pending approval.

Action Date: 4/1/1992
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: * Not Assigned
Action Description: SA1; Kalu.

Action Date: 3/7/2007
Action: Exposure Tracking Model Ranking
DEC Staff: Deborah Williams
Action Description: Initial ranking completed.

Action Date: 3/5/2004
Action: Report or Workplan Review - Other
DEC Staff: Deborah Williams
Action Description: Review Annual Report for Moose Creek General Store. A new monitoring well installed adjacent to the store next to the septic system indicated levels of EDB at 25.1 ug/L, benzene at 2.38 mg/L, toluene at 41.1 mg/L, ethylbenzene at 3.32 mg/L and total xylenes at 18.62 mg/L.

Action Date: 3/21/2016
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Amundson Environmental called DEC to discuss possible sampling plan.

Action Date: 3/15/2016
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Telephone call from Al Samuel of the Moose Creek General Store. Mr. Samuel received the letter and discussed financial situation with DEC staff and his plans to do some sampling this summer. DEC requested that Mr. Samuel submit a written response to the letter to describe his plan and the financial constraints.

Action Date: 12/11/1990
Action: Long Term Monitoring Established
DEC Staff: * Not Assigned
Action Description: MS; Three samples were taken in the Moose Creek neighborhood by Timmons and Noland. The General Store, the Al Cory Dr. residence, and a neighbor's house well were all sampled for VOCs, EPA Method 502.2. Date indicates actual date of sampling. Samples were taken from the well-pump located in the Al Cory Dr. house basement. A strong odor of hydrocarbons was noted and the water exhibited a yellowish-orange tint.

Action Date: 12/10/1990
Action: Site Added to Database
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 12/10/1990
Action: Long Term Monitoring Established
DEC Staff: * Not Assigned

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

S109255203

Action Description: MS; The resident of the house informed DEC that she had submitted a sample of her drinking water to be analyzed for hydrocarbons. The lab advised the resident not to drink the water and described the water as gasoline soup.

Action Date: 12/1/2016
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Amundson Environmental called to report that she had attempted to sample three monitoring wells at the site. One was sampled, one was not found, and the other was full of mud. The report should be submitted in about a month, after consultant receives payment.

Action Date: 12/1/1992
Action: Long Term Monitoring Established
DEC Staff: * Not Assigned
Action Description: MS; Kalu

Action Date: 11/8/2006
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: ADEC received sample results from 2006 groundwater sampling event. The sampling event involved the sampling of WW-2 and A-50 for BTEX using 524.2 and EDB using Method 504 and GRO/BTEX for MW-26. The drinking water wells WW-2 and A-50 were non-detect for BTEX and EDB. MW-26 had 18.8 ppm GRO, 138 ppb benzene, 4.9 ppm toluene, 1.11 ppm ethylbenzene and xylenes were below ADEC cleanup levels.

Action Date: 11/24/1997
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: GW Report sent in.

Action Date: 11/20/1997
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: ADEC sends Notification of Intent to Cost Recover Letter to Current Owner: AL SAMUEL - MOOSE CREEK GENERAL

Action Date: 10/8/1995
Action: Leaking Underground Storage Tank Corrective Action Underway
DEC Staff: * Not Assigned
Action Description: LCAR; CAT-Ox unit being designed and planned for installation so that the AS/SVE system can be started up

Action Date: 10/4/2019
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Notified by responsible party that all the properties in the contaminated groundwater plume will be hooked up to North Pole city water due to PFAS contamination from the Eielson Moose Creek plume, probably next year.

Action Date: 10/24/2005
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: ADEC received sample results from NORTECH for the samples collected

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOOSE CREEK GENERAL STORE (Continued)

S109255203

from the drinking water wells on September 22, 2005 at the Allen's (WW-2) and the Altig's (A-50). Both of these wells were non-detect for BTEX using EPA method 524 and EDB using EPA method EPA method 504. Not reported

Action Date: 10/2/2003
Action: Update or Other Action
DEC Staff: Deborah Williams
Action Description: ADEC received the draft indoor air sampling results for the Moose Creek residence (2.9 ug/m3) and the Allen residence (3.7 ug/m3) which is located next door.

Action Date: 1/28/2004
Action: Update or Other Action
DEC Staff: Cynthia Pring-Ham
Action Description: Transferred DEC staff lead from John Carnahan

Action Date: 1/22/2014
Action: Site Visit
DEC Staff: Willett Boger
Action Description: Site visit to check monitoring wells for any free product and to use PID in building and around furnace as follow up to possible new odors detected in building. CS staff opened three wells and did not find any product or hydrocarbon odors. Bailer used on MW6 did not find any product.

Action Date: 1/21/2016
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: DEC sent letter to owner requiring follow-up monitoring and decommissioning of wells. Workplan required in 90 days.

Action Date: 1/13/2012
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Call from RP; requested reduction of requirement to sample three drinking water wells to only two drinking water wells based on history of sampling results and current condition of the third property.

Action Date: 1/11/2012
Action: Update or Other Action
DEC Staff: Janice Wiegiers
Action Description: Received letter from Al Samuel stating that his finance are tight, but he plans to complete drinking water testing this winter and monitoring of three groundwater wells next summer. He also requested that the DEC PM visit the site next summer to inspect the remaining wells and discuss an approach for decommissioning the wells and the remedial system with Mr. Samuel.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

7
ESE
1/8-1/4
0.137 mi.
724 ft.

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO
TL-2902
NORTH POLE, AK 99705

SHWS **S109568198**
ENG CONTROLS **N/A**
INST CONTROL
BROWNFIELDS

Relative:
Higher
Actual:
518 ft.

SHWS:
 Name: SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO
 Address: TL-2902
 City,State,Zip: NORTH POLE, AK 99705
 File Number: 100.26.157
 Staff: IC Unit, 9074655229 , dec.icunit@alaska.gov
 Facility Status: Cleanup Complete - Institutional Controls
 Latitude: 64.715044
 Longitude: -147.181984
 Hazard ID: 24962
 Problem: Former gas/service station in Moose Creek with history of releases associated with operations. Stained soil and dying vegetation observed. Five regulated storage tanks and two heating oil tanks previously existed on property and were removed in 2004 by DEC contractors. In addition, 400 cubic yards of contaminated material were removed from the site. One dilapidated building remains. Other buildings and structures were demolished. Foreclosed by Fairbanks North Star Borough (FNSB) in 2003-2004. Identified for a brownfield site assessment by the DEC in 2004. 900 tons of contaminated soil were removed and transported to OIT for thermal treatment in 2012 by DEC's contractor. Six monitoring wells were installed by DEC's contractor in 2012 to assess the groundwater.

Actions:

Action Date: 9/8/1992
 Action: Update or Other Action
 DEC Staff: Bill Petrik
 Action Description: CS DB Action - Meeting. Mr. A.A. Smith, representative for Mr. Dennison, met to discuss what corrective actions were necessary and how he should proceed.

Action Date: 9/8/1992
 Action: Update or Other Action
 DEC Staff: Bill Petrik
 Action Description: CS DB Action by Peterson - Update (Old R:Base Action Code = RPL2 - Site Information Request Letter). ADEC sent PRP-CS Database Notification letter to RP requesting update and more environmental information concerning contaminated site. A.A. Smith called 9-18-92 for Jack Dennison with information that Jim Gillen, operator and previous owner, had tanks changed. Hansford Dennison, new owner, responded with completed information form.

Action Date: 9/7/2012
 Action: Site Visit
 DEC Staff: Melinda Brunner
 Action Description: Carnahan and Brunner met with representatives from OASIS Environmental, Rockwell Engineering and the Fairbanks North Star Borough at the site to discuss the proposed excavation scheduled to begin 09/10/2012. Topics discussed included disposal of brush and junk cars, access to the site, potential lateral limits of the excavation, and site security.

Action Date: 9/6/2012
 Action: Update or Other Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

DEC Staff: John Carnahan
Action Description: Project Manager changed from Carnahan to Brunner.

Action Date: 9/5/2012
Action: Report or Workplan Review - Other
DEC Staff: Melinda Brunner
Action Description: Draft document entitled, Sani-Klean Service Station, Moose Creek, Alaska, Contaminated Soil Removal and Groundwater Monitoring Work Plan submitted by OASIS Environmental on 08/31/2012. Document reviewed by Carnahan and Brunner, and comments returned to OASIS on 09/05/2012. Document describes contaminated soil removal action and monitoring well installation planned for the site in September 2012.

Action Date: 9/4/2013
Action: Exposure Tracking Model Ranking
DEC Staff: Melinda Brunner
Action Description: A new updated ranking with ETM has been completed for source area 77398 Sani-Klean Service Station, Former SKS Texaco.

Action Date: 9/26/2012
Action: Site Visit
DEC Staff: Melinda Brunner
Action Description: Site visit to observe installation of monitoring wells. All monitoring wells to be installed by end of 09/26/2012.

Action Date: 9/24/2004
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: A parallel site formerly resided in the Contaminated Sites DB. The CS DB Manager copied all the actions and other relevant information from the CS DB to the LUST DB this date, then deleted the record from the CS DB. Formerly File 100.38.065. The RP and Landowner listed in the CS DB was Richard Tally; 40 Norwood Trailer Park; Washington, MO 63090; (314) 239-9610.

Action Date: 9/23/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. Letter sent certified 5/11/94, returned due to clerical error in Post Office Box Number. Was resent 5/23/94, certified mail with corrected Post Office Box Number. Letter has not been returned. Restricted letter sent 6/29/94, returned unclaimed 7/19/94. Restricted letter sent 7/8/94, returned 7/26/94.

Action Date: 9/22/2004
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: John Carnahan
Action Description: UST Removal and Site Assessment report completed by DEC Term Contractor, Nortech. Total of 5 regulated tanks and 2 heating oil tanks removed. Contaminated soil primarily in the subsurface extends into driveway to south on property, with a total aerial extent of 2,500-ft², yielding up to 1,000 yd³. Groundwater impacts identified to extend 100 feet downgradient to the west and north of source area, although limited to onsite.

Action Date: 9/21/2012
Action: Site Visit

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

DEC Staff: Melinda Brunner
Action Description: Site visit with OASIS representative to finalize groundwater monitoring well installation locations. Wells scheduled for installation on 09/25/12 and 09/26/12.

Action Date: 9/12/2012
Action: Site Visit
DEC Staff: Melinda Brunner
Action Description: Site visit to observe excavation and sampling at active dig. OASIS and Rockwell staff on-site. Approximately 382 tons of contaminated soil hauled to OIT for burning by the end of 09/12/2012. Total volume of soil to be removed is approximately 1200 tons.

Action Date: 9/10/2012
Action: Site Characterization Workplan Approved
DEC Staff: Melinda Brunner
Action Description: Final work plan entitled, Sani-Klean Service Station, Moose Creek, Alaska, Contaminated Soil Removal and Groundwater Monitoring Work Plan submitted by OASIS Environmental on 09/07/2012. Document approved by Brunner on 09/10/2012.

Action Date: 8/24/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Meeting. In-house meeting, final preparation for Warrant Hearing before District Court Judge. Regional Administrator decides off-site migration levels too low and there appears to be inadequate evidence to pursue obtaining a warrant. Court appearance is cancelled. Decision made to issue NOV instead.

Action Date: 8/24/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = CORR - Correspondence (General)). Wrote a letter giving DECCON official notification that project SLSW has been cancelled.

Action Date: 8/23/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - ADEC Assuming Cleanup Action (Old R:Base Action Code = SLC - Site Lead Cleanup). Affidavits HUNG and KALU completed and ready for Search Warrant Hearing.

Action Date: 8/23/1994
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Site Characterization Workplan Approved (Old R:Base Action Code = SA1R - Phase I SA Review (CS/LUST)). Received modified work plan entitled, Ground Water Probe Sampling, Sani-Klean Service Station, Moose Creek, Alaska.

Action Date: 8/19/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - ADEC Assuming Cleanup Action (Old R:Base Action Code = SLC - Site Lead Cleanup). Received for court exhibit,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

documents entitled, Quarterly Ground Water Monitoring And Sampling Report, Moose Creek General Store. To be used to show off-site migration possibly from Sani-Klean site.

Action Date: 8/19/1992
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Gibler - Update (Old R:Base Action Code = CORR - Correspondence (General)). Sent letter to Hansford Dennison requesting plans for tank closure and site assessment and cleanup by 10-10-92.

Action Date: 8/18/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - ADEC Assuming Cleanup Action (Old R:Base Action Code = SLC - Site Lead Cleanup). Warrant Hearing set before District Court Judge at 3:30 PM 8/25/94.

Action Date: 8/18/1994
Action: Site Visit
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = FI - Field Inspection (General)). Accompanied 4 ADEC staff members to site in preparation for 8/25/94 court hearing. Decision made to do 14 probes instead of 3 monitor wells and to obtain from DECCON work plan proposal for these.

Action Date: 8/17/1994
Action: Site Visit
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - ADEC Assuming Cleanup Action (Old R:Base Action Code = SLC - Site Lead Cleanup). Did on-site visit to obtain example photographs for court exhibits on flush mount and stand-up monitor well designs.

Action Date: 8/16/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Meeting. In-house meeting decision to obtain Administrative Search Warrant. In preparation, the following will be done: 1) Regional Administrator to testify; 2) Affidavits for Hung and Kalu to be written; 3) On-site visit to be made before court appearance; 4) surface monitor well designs for unobstrusiveness; 5) list of court exhibits to be worked on. CS DB by Hung - ADEC Assuming Cleanup Action (Old R:Base Action Code = SLC - Site Lead Cleanup). AGO submits Memorandum In Support Of Application For Inspection Warrant.

Action Date: 8/12/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - ADEC Assuming Cleanup Action. (Old R:Base Action Code = SLC - Site Lead Cleanup). AGO submits Application For Inspection Warrant.

Action Date: 8/1/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. (Old R:Base Action Code = RPL1 - Initiate Dialog with RP). Telephoned Talleys as no response to 7/21/94 Site Assessment for the Property at 21 Mile Old Richardson Highway (TL 2902) letter. Richard Talley agreed 7/20/94 to sign. Mary Talley states they will not sign letter due to Richard obtaining some information from Anchorage FAP.

Action Date: 7/8/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = CORR - Correspondence (General)). Wrote a letter informing Talley of DECCON site investigation involving monitoring wells or probes in order to determine ground water contamination and off-site migration. Contact for right-of-entry by ADEC will follow.

Action Date: 7/8/1994
Action: Site Visit
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = RPS - Responsible Party Search). On-site visit made to track RP as no response to ADEC letters. Located Talley's physical address as 4441 Lauesen Road in Moose Creek. Noted appearance of lack of human habitation for possibly several months. Visited North Pole Post Office where Talley rents box. Was informed that mail was being picked up.

Action Date: 7/3/2014
Action: Site Characterization Report Approved
DEC Staff: Melinda Brunner
Action Description: Finalized report submitted by ERM Alaska, Inc. describing May 2014 groundwater monitoring results approved by Brunner. Sampling showed that the monitoring well (MW-5) located in the previous source area is contaminated with benzene above DEC's cleanup levels. The other five monitoring wells sampled on-site showed no contaminant concentrations above DEC's cleanup levels. The drinking water of the Pioneer Baptist Church on the adjoining downgradient property was also tested, and found free of fuel-related contaminants above action levels.

Action Date: 7/25/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. (Old R:Base Action Code = RPL2 - Site Information Request Letter). Wrote letter to Texaco making formal request for past records re- franchise and/or contract agreements between former owners/operators, records of past installation, maintenance, operation of USTs, etc.

Action Date: 7/21/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Record of Decision Signed. Decision made after 7/20/94 teleconference with RP that letter will be written by McGee stating RP does not object to ADEC accessing the site, RP does not

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

agree to reimburse ADEC, nor does ADEC agree to release the RP from any potential liability. RP to sign agreement within one week of receipt so that MWs can be installed. Decision made to defer USTs excavation.

Action Date: 7/21/1994
Action: Leaking Underground Storage Tank Cleanup Initiated - Petroleum
DEC Staff: Evonne Reese
Action Description: 10/13/06 LUST cleanup initiated added to the action history

Action Date: 7/21/1994
Action: Site Visit
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. (Old R:Base Action Code = FI - Field Inspection (General)). Did on-site inspection as a result of in-house meeting to see if five USTs contained product or water and to do video of site prior to SA. DECCON and ADEC worked together to stick the tanks using Kolor Kut and found no product and little water in the USTs.

Action Date: 7/20/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Meeting. Teleconference with six ADEC staff and Richard and Mary Talley in Washington, MO. in order to obtain permission to enter property to excavate the 5 USTs, install monitor wells and do SA. Talleys deny ownership and that signature on Deed of Trust is a forgery.

Action Date: 7/20/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. (Old R:Base Action Code = SA1R - Phase I SA Review (CS/LUST)). Received Project Work Plan Tank Closure And Release Investigation in response to 6/16/94 SOLICITATION FOR PROPOSAL.

Action Date: 7/19/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Meeting. In-house meeting to review title opinion and re-adjust direction of 7/20/94 teleconference with Talleys. Title opinion indicates Richard Talley is legal owner of property.

Action Date: 7/15/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: (Old R:Base Action Code = RPL1 - Initiate Dialog with RP). Wrote letter and sent requested copy of deed of trust and application for financial assistance to Richard Talley. The deed of trust contained his signature as owner of the property.

Action Date: 7/14/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = RPL1 -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

Initiate Dialog with RP). Richard Talley calls from MO. Admits land is in his name though no money was paid. Claims he did not sign any legal documents. Refused to give permission for access as afraid he would have to pay for project. Agrees to teleconference 7/20/94 with ADEC staff for free exchange of information.

Action Date: 7/13/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = CORR - Correspondence (General)). Confirmed telephone notification by letter to DECCON re- postponement of project which was to commence 7/25/94. Legal permission to enter site has been delayed due to recent developments in the case.

Action Date: 7/13/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = RPS - Responsible Party Search). Mother of wife of RP tracked by Investigator. Wife of RP calls ADEC from Missouri. Stated property given to them by Dennison summer 1993. Permission to access property deferred until Richard (husband) Talley contacted ADEC. Agreed that ADEC would call 7/14/94. Mary L. Talley calls after 7/12/94 contact made with mother, Eunice Smith. Agrees to teleconference with ADEC staff. Phone: (314) 239-9610. Address: 40 Norwood Trailer Park, Washington, MO. 63090. States property given to them by Dennison. Deed arrived 11/93. They did not want to purchase because of contamination. Permission to enter property pending. Advised by AGO to employ Transalaska Title Insurance Agency, Inc. to give ADEC title opinion on property known as lots 4 and 16, Section 29, T2S, R3E, FM.

Action Date: 7/12/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Meeting. In-house meeting in preparation for 7/20/94 teleconference with Talleys. Decision made that AGO to do deed search on property.

Action Date: 7/10/2002
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Goldman - GIS Position Update. Changed the Latitude, Longitude, Method Accuracy, Accuracy and Unit fields.

Action Date: 7/1/2014
Action: Update or Other Action
DEC Staff: Melinda Brunner
Action Description: ERM Alaska, Inc. submitted a draft letter report on 6/18/14 describing groundwater monitoring done at the Sani-Klean site in May 2014. Comments on the draft report returned to ERM Alaska by Brunner on 07/01/14.

Action Date: 7/1/2013
Action: Report or Workplan Review - Other
DEC Staff: John Carnahan
Action Description: GW Monitoring Report for 5/20/2013 (report date 6/25/13) reviewed and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

approved. Increasing water table elevations at time of sampling with GW flow direction to west-southwest. Only well exceeding cleanup criteria was MW5 with benzene exceedence at 0.007 mg/l.

Action Date: 6/29/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = CORR - Correspondence (General)). No response to 5/23/94 certified letter. Rewrote another letter and sent via Restricted, Return Receipt Requested.

Action Date: 6/29/1994
Action: Report or Workplan Review - Other
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Site Characterization Report Approved (Old R:Base Action Code = LFI - Limited Field Investigation (CERCLIS)). Shannon and Wilson, Inc. submitted modified work plan to DEC's proposal due to RP's reluctance in giving permission for access.

Action Date: 6/24/2013
Action: Report or Workplan Review - Other
DEC Staff: Melinda Brunner
Action Description: ERM Alaska, Inc. submitted a draft letter report on 06/19/13 describing groundwater monitoring done at the Sani-Klean site in May 2013. Comments on the draft report returned to ERM Alaska by Brunner on 06/24/13.

Action Date: 6/23/1992
Action: Site Added to Database
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 6/21/2007
Action: Update or Other Action
DEC Staff: John Carnahan
Action Description: In light of upcoming tax foreclosure sale, the file was reviewed by project staff to determine the current status of the site. This information may prove useful for a future buyer as to what conditions exist that may require future action or long-term management.6/19/07 - File review by Ann Farris(Not intended to be interpreted as an opinion or decision statement)A conditional closure is likely not appropriate at this site at this time. However, it may be possible to reach Conditional Closure with a minimal remedial effort and institutional controls. There is surface staining/contamination and subsurface soil contamination at a minimum of three areas. There is also debris on site that may cover additional contamination, although likely minor in volume and extent. Further there is subsurface contamination and limited groundwater contamination. There does not appear to be off-site migration of contaminants. Nortech estimated the remaining subsurface contamination at approximately 800-1,000 cy. Primary contaminants of concern are BTEX, TMBs, EDB, lead, and GRO, DRO, RRO. The highest concentrations found in the soil were 536 mg/kg GRO, 21,000 mg/kg DRO, 14500 mg/kg RRO, 0.151 mg/kg EDB, 0.112 mg/kg benzene, 95.4 mg/kg Xylenes. The TMBs and lead were found at notable levels, but not above cleanup levels. These samples are likely not representative of the worst contamination on site. There are no

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

buildings currently on site, only remaining foundations. A possible route to a conditional closure may be to remove the debris and surface contamination, pave the site and restrict groundwater use. Evaluate the need for groundwater monitoring wells at the downgradient edge of the property as there was only one round of groundwater sampling. Another option may be to remove the surface and subsurface contam., put in 3-4 groundwater monitoring wells for a few years of semiannual sampling, and then look at unconditional closure.~~

Action Date: 6/20/2000
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Wiegiers - Update. Borough foreclosed on property. Prospective Purchase Agreement in Event of Municipal Foreclosure signed by Fairbanks North Star Borough and ADEC.

Action Date: 6/20/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. Amount and capacity of USTs on site obtained from records when site was operating as gasoline station. Eleanor Hung obtained information on amount and capacity of USTs still in ground from records when site operated as gasoline station. Two 10,000-gallon gasoline USTs, one 4,000-gallon gasoline UST, one 2,000-gallon diesel UST and one 2,000-gallon kerosene UST. All USTs installed by Texaco in the 1970s. Last day of operation 12/1/90.

Action Date: 6/17/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - ADEC Assuming Cleanup Action. Prepared justification using Guidance For Requesting Response Funds For Contaminated Site Remediation in order to shift monies since site not on original Orphan site list. Processed documents to obtain formal funding approval.

Action Date: 6/15/2015
Action: Report or Workplan Review - Other
DEC Staff: Melinda Brunner
Action Description: Brunner approved the Sani-Klean Service Station 2015 Monitoring Well Decommissioning Report dated 11 June 2015. The report describes the decommissioning of six monitoring wells (MW-1 through MW-6) at the former Sani-Klean site on May 21 and 22, 2015.

Action Date: 5/6/2004
Action: Update or Other Action
DEC Staff: John Carnahan
Action Description: Contract approved for assessment by DEC term contractor 'Nortech' to conduct UST site assessment.

Action Date: 5/5/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS Action by Hung - Proposed Plan Approved. Submitted draft SOLICITATION FOR PROPOSAL to Contaminated Sites Remediation Unit.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

Action Date: 5/5/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS Action by Hung - ADEC Assuming Cleanup Action. (Old R:Base Action Code = SLC - Site Lead Cleanup). Sent letter via Certified Mail, Return Receipt Requested, to Richard Talley, new owner of site as of 7/93, P.O. Box 55132, North Pole, AK 99705-0132. Unable to locate him by phone for meeting.

Action Date: 5/30/2000
Action: Update or Other Action
DEC Staff: John Carnahan
Action Description: PERP had Inland PetroService doing a small drum cleanup at the former Texaco in Moose Creek.

Action Date: 5/25/1994
Action: Site Visit
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update (Old R:Base Action Code = FI - Field Inspection (General)). With current site project manager, did an on-site inspection and drove around the area to obtain impression of population density on well water as well as see receptors of potential migration of contamination from this site. This would assist in the SLSW write-up.

Action Date: 5/22/2015
Action: Update or Other Action
DEC Staff: Melinda Brunner
Action Description: Monitoring wells MW-1 through MW-6 were decommissioned on 5/21-22/15.

Action Date: 5/12/2014
Action: Update or Other Action
DEC Staff: Melinda Brunner
Action Description: Groundwater samples taken at Sani-Klean on 5/7/14 by ERM. ERM also sampled the drinking water at the Pioneer Baptist Church on the adjacent downgradient property to assess whether the contamination at Sani-Klean is moving off-site.

Action Date: 5/11/2012
Action: Site Visit
DEC Staff: John Carnahan
Action Description: Staff visited and walked the site to prepare for pending RFP to address soil removal. Could not find any active monitoring points, but did locate corner monument. Met with adjacent property owner.

Action Date: 5/11/2004
Action: Brownfields Award
DEC Staff: John Carnahan
Action Description: Pursuant to verbal approval, EPA provides written (email) approval for this site for funding through the Brownfield site assessment grant in an email. Site is one of two selected for brownfield assessments by DEC term contractors - intent to remove onsite storage tanks and do limited assessment in accordance with federal funding requirements.

Action Date: 4/29/2013
Action: Site Characterization Report Approved

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

DEC Staff: Melinda Brunner
Action Description: The report entitled, "Former Sani-Klean Service Station, Moose Creek, Alaska, Remedial Action Report" dated April 2013 submitted by OASIS Environmental is approved. The report describes the removal of approximately 900 tons of contaminated soil from the site, groundwater monitoring well installation, groundwater sampling, and drinking water well sampling. The sampling found that only the well installed in the source area contained contaminant concentrations above DEC cleanup levels. The drinking water well sampled on adjacent, downgradient property did not contain any contaminants above cleanup levels.

Action Date: 2/15/2002
Action: Update or Other Action
DEC Staff: John Carnahan
Action Description: Interest by the Moose Creek Baptist Subdivision pertaining to contaminated site issues associated with this property. Interest surrounds the construction of a church and associated water supply well on the inferred downgradient (northwest) direction of the property.

Action Date: 2/15/2002
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Wiegiers - Update. John Carnahan sends memo to Richard Heiren recommending a groundwater sampling program to determine the groundwater quality and co-ordination with ADEC Drinking Water Program if a water supply well is installed.

Action Date: 2/11/2013
Action: Report or Workplan Review - Other
DEC Staff: Melinda Brunner
Action Description: OASIS Environmental submitted a draft report entitled, Former Sani-Klean Service Station, Moose Creek, Alaska, Remedial Action Report, Draft dated December 2012 to DEC on 12/31/2012. Brunner reviewed the report, and provided comments to OASIS on 02/11/2013.

Action Date: 12/14/2001
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Wiegiers - Update. Correspondence from Borough indicates that Pioneer Baptist Church requested subdivision of the lot directly west of the Sani-Klean site. The platting board required a note be placed on the plat indicating groundwater may be contaminated with petroleum and solvents.

Action Date: 11/2/1999
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: Brief review of the file indicates that nothing has occurred at this site, although proposals by state contractors have been put forth.

Action Date: 10/7/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Bainbridge. Meeting with Pete McGee / Tim Wingerter / Kalu Kalu / Eleanor Hung to sort out various courses of action to

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

deal with the clean-up of this site.

Action Date: 10/7/1994
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Site Characterization Workplan Approved (Old R:Base Action Code = MP - Management Plan (CERCLIS)). Staff meeting decision - NOV not to be issued to allow RP time to file for FA. Time to expire 12/31/94. After 12/31/94, may refer to EPA or issue NOV or obtain search warrant.

Action Date: 10/6/2008
Action: Exposure Tracking Model Ranking
DEC Staff: John Carnahan
Action Description: Initial ranking with ETM completed for source area id: 77398 name: Sani-Klean Service Station, Former SKS Texaco

Action Date: 10/5/2016
Action: Update or Other Action
DEC Staff: Joy Whitsel
Action Description: This property is listed in the Borough October 2016 land auction. In order to adequately inform potential buyers of known and suspected contamination, a Notice of Environmental Contamination (NEC) was filed with the Recorder's Office. In addition, a letter was sent to the Borough outlining DEC concerns about the property, and the Borough intends to attach the letter to the land description for the property. Conditions of the NEC included advisories against installing groundwater wells, against performing excavation without a DEC-approved work plan, and for conducting a vapor intrusion assessment if any buildings will be constructed. Additional areas of hazardous contamination may be present on the property that have not yet been investigated.

Action Date: 10/22/2013
Action: Site Visit
DEC Staff: Melinda Brunner
Action Description: Site visit with representatives of the Fairbanks North Star Borough to observe groundwater sampling by ERM Alaska, Inc. Also met with Marshall Hamilton of the Pioneer Baptist Church on the adjacent property to discuss the results of drinking water sampling done at the Church in 2012; the sampling found no petroleum-related contamination concentrations above action levels.

Action Date: 10/21/2013
Action: Site Characterization Workplan Approved
DEC Staff: Melinda Brunner
Action Description: ERM Alaska, Inc.'s document entitled Sani-Klean Service Station, Former SKS Texaco - Groundwater Monitoring and Well Decommissioning Work Plan dated October 17, 2013 was reviewed and approved by Brunner. The work plan describes proposed Fall 2013 and Spring 2014 groundwater monitoring at the site, as well as drinking water sampling at the adjacent down-gradient property.

Action Date: 10/21/2013
Action: Brownfields Award
DEC Staff: Cascade Galasso-Irish
Action Description: FY 2014 SOA LUST Trust Funds award \$36,090 for monitoring and

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

potential site closure through well sampling at Sani-Klean (Former SKS). NTP 18803602009. Two events and two reports on groundwater sampling for FY 2014. Further work completed in 2015 under NTP 18803602009B.

Action Date: 1/8/2014
Action: Report or Workplan Review - Other
DEC Staff: Melinda Brunner
Action Description: ERM Alaska, Inc. submitted a draft letter report on 12/16/13 describing groundwater monitoring done at the Sani-Klean site in October 2013. Comments on the draft report returned to ERM Alaska by Brunner on 01/08/14.

Action Date: 1/3/1995
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Hung - Update. This site selected as one of top 20 sites. Prepared site summary report according to format desired by C/O.

Action Date: 1/28/2004
Action: Update or Other Action
DEC Staff: Cynthia Pring-Ham
Action Description: Transferred DEC staff lead from John Carnahan

Action Date: 1/26/1993
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: Site Initially Ranked Using the CS DB AHRM.

Action Date: 1/25/1995
Action: Update or Other Action
DEC Staff: Bill Petrik
Action Description: CS DB Action by Peterson - Site Ranked Using the AHRM. Reranked using GW contamination value unknown.

Action Date: 1/10/2019
Action: Cleanup Complete Determination Issued
DEC Staff: Michael Hooper
Action Description: Cleanup complete determination was approved by CSP EPMIII on 12/19/2018. Institutional controls established on the property in 2016 limit exposure to groundwater and soil contamination as well as future exposure to vapor intrusion.

Action Date: 1/10/2019
Action: Institutional Control Record Established
DEC Staff: Michael Hooper
Action Description: Institutional Controls established and entered into the database.

Action Date: 1/10/2014
Action: Site Characterization Report Approved
DEC Staff: Melinda Brunner
Action Description: Finalized report submitted by ERM Alaska, Inc. describing October 2013 groundwater monitoring results approved by Brunner. Sampling showed that the monitoring well (MW-5) located in the previous source area is contaminated with EDB, benzene and GRO above DEC's cleanup levels. The other five monitoring wells sampled on-site showed no

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)

S109568198

contaminant concentrations above DEC's cleanup levels. The drinking water of the Pioneer Baptist Church on the adjoining downgradient property was also tested, and found free of fuel-related contaminants above action levels.

ENG CONTROLS:

Name: SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO
Address: TL-2902
City,State,Zip: NORTH POLE, AK 99705
File Number: 100.26.157
Facility Status: Cleanup Complete - Institutional Controls
Control Details Description: Maintenance / Inspection Of Engineering Controls
Hazard ID: 24962

Inst Control:

Name: SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO
Address: TL-2902
City,State,Zip: NORTH POLE, AK 99705
Hazard ID: 24962
Facility Status: Cleanup Complete - Institutional Controls
Action: Institutional Control Record Established
Action Date: 1/10/2019
File Number: 100.26.157

BROWNFIELDS:

Name: SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO
Address: TL-2902
City,State,Zip: NORTH POLE, AK 99705
Facility Status: Cleanup Complete - Institutional Controls
File Number: 100.26.157
Action Date: 5/11/2004
Action: Brownfields Award
Hazard ID: 24962

Name: SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO
Address: TL-2902
City,State,Zip: NORTH POLE, AK 99705
Facility Status: Cleanup Complete - Institutional Controls
File Number: 100.26.157
Action Date: 10/21/2013
Action: Brownfields Award
Hazard ID: 24962

8
ENE
1/4-1/2
0.464 mi.
2452 ft.

**DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK
MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK
FAIRBANKS, AK 99701**

**SHWS S108236960
INST CONTROL N/A**

**Relative:
Higher
Actual:
518 ft.**

SHWS:
Name: DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK
Address: MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK
City,State,Zip: FAIRBANKS, AK 99701
File Number: 100.38.208
Staff: Sara Marshall, 9074512156 , sara.marshall@alaska.gov

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

Facility Status: Active
Latitude: 64.717767
Longitude: -147.170514
Hazard ID: 4327
Problem: Historical release (early 1980s) of JP4 fuel was discovered during the construction of a building foundation. The Eielson pipeline is owned by the U.S. Army Garrison Alaska. Department of Defense determined Defense Energy Support Center (now DLA-Energy) to be the responsible party. The affected area is approximately 5 acres located between Baker Road and the intersection of the pipeline and Moose Creek Avenue. The pipeline transported a variety of fuels (arctic grade diesel fuel, aircraft turbine JP-4 fuel, automotive combat gasoline, Avgas grade 115/145, JP-4, JP-8, vehicle leaded motor gasoline [Mogas] and unleaded Mogas) and thus contaminants of potential concern are BTEX, GRO, DRO, RRO, PAHs, EDB and lead. Soil and groundwater have been sampled in several times since 2003. Groundwater was sampled in summer 2011, 2012, and 2016. The most recent results from 2016 showed drinking water sample results were below 18 Alaska Administrative Code (AAC) 75.345 Table C cleanup levels (ADEC. 2017a), protective of groundwater and drinking water. Very low level concentrations of gasoline range organic compounds (GRO), diesel range organic compounds (DRO), and total lead were detected in various pre-GAC and tap water samples. All other drinking water analytes were not detected in the samples. In soil, benzene, GRO and DRO were detected at concentrations above cleanup levels. A Remediation System was installed in July 2018 for soil vapor extraction. The system was deemed functional and operational, but the system is not operating as of 1/1/2019 due to lack of an operations and maintenance contract.

Actions:

Action Date: 9/19/2011
Action: Update or Other Action
DEC Staff: Kathleen Beutel
Action Description: Residential drinking water sampling for BTEX was conducted at 6 residences. All results were non-detect.

Action Date: 9/19/2011
Action: Update or Other Action
DEC Staff: Kathleen Beutel
Action Description: Preliminary groundwater data received. The new monitoring wells (MW-07 and MW-08), which are located on the downgradient and upgradient ends of the plume, were non-detect for all parameters. Other monitoring wells had concentrations of GRO, DRO and benzene above cleanup levels. Results will be discussed at the October stakeholders' meeting and a report summarizing the 2011 field work will be submitted in the coming months.

Action Date: 8/7/2013
Action: Site Characterization Report Approved
DEC Staff: Eric Breitenberger
Action Description: FY 2013 Comprehensive report approved. Groundwater monitoring results indicate that the contaminant plume is probably stable or decreasing, however contaminant levels are still far above cleanup standards, with benzene up to 0.547 mg/L in MW-5. Drinking water results were all below action levels, with the exception of one sample which exceeded action levels for lead. The source of this exceedance is believed to be within the home's plumbing system, as no exceedance

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

was observed in another sample collected upstream (pre-filter) in the same residence.

Action Date: 8/25/2014
Action: Site Characterization Workplan Approved
DEC Staff: Eric Breitenberger
Action Description: FY14 work plan approved. The Moose Creek Monitoring Work Plan provides for one round of sampling of groundwater at the site and one round of sampling of residential drinking water wells. Other ancillary tasks are also included. The frequency of groundwater and drinking water sampling will be reduced compared to previous work plans. DEC concurs that the reduction is warranted, due to the limited seasonal variability observed at the Moose Creek site.

Action Date: 8/20/2009
Action: Update or Other Action
DEC Staff: Fred Vreeman
Action Description: Received Monitoring Well Installation Work Plan for placement and construction of 6 wells. Follow up email and phone call sent. Further discussion is required prior to formal approval of plan.

Action Date: 8/15/2011
Action: Site Characterization Workplan Approved
DEC Staff: Kathleen Beutel
Action Description: CS staff approved a pipeline investigation work plan. DLA plans to investigate anomalies identified during a smart pig survey along the 12-mile North Pole - Eielson pipeline. In addition, an excavation in the Moose Creek area will be conducted in an attempt to identify the locations of historic repairs. If/when contamination is encountered along the pipeline, all spill reporting requirements in 18AAC75.300 will be followed. In addition, the approximate beginning and end of the contaminated area will be denoted with GPS coordinates and three analytical samples will be collected from the field screening locations with the highest PID results. Excavated soils will be returned to the trench in the order in which they were removed and DLA will submit a plan for further investigation within two months.

Action Date: 7/7/2011
Action: Meeting or Teleconference Held
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites staff participated in a comment resolution meeting/teleconference to discuss the Fiscal Year 2011 work plan.

Action Date: 7/7/2011
Action: Meeting or Teleconference Held
DEC Staff: Fred Vreeman
Action Description: Contaminated Sites staff participated in a comment resolution meeting/teleconference to discuss the Fiscal Year 2011 work plan.

Action Date: 7/29/2015
Action: Update or Other Action
DEC Staff: Eric Breitenberger
Action Description: Public Meeting held to discuss Proposed Plan.

Action Date: 7/26/2017
Action: Report or Workplan Review - Other
DEC Staff: Erica Blake

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

Action Description: DEC approved the Final Moose Creek Pipeline Release, Moose Creek, Alaska Drinking Water and Groundwater Monitoring Report, dated July 21, 2017. Results from the 2016 sampling event are consistent with the 2015 sampling results. Gasoline range organics (GRO), diesel range organics (DRO), residual range organics (RRO), benzene, toluene and 1,2-dibromoethane (EDB) continue to remain in the groundwater above DEC cleanup levels. Groundwater monitoring is occurring annually, drinking water sampling will occur on a need-based frequency. The next round of annual groundwater monitoring is expected to occur during Fall 2017.

Action Date: 7/25/2019
Action: Report or Workplan Review - Other
DEC Staff: Sara Marshall
Action Description: Received the Final Moose Creek 2019 Summer Groundwater Monitoring Work Plan dated June 2019. The work plan describes groundwater sampling to take place in Moose Creek, Alaska during the high (summer) and low (fall) seasons. The plan presents methods and approaches for the groundwater monitoring and sample analysis.

Action Date: 7/23/2018
Action: Site Visit
DEC Staff: Erica Blake
Action Description: DEC staff conducted a site visit to inspect the SVE system operating. DEC observed a fence with locks on surrounding the SVE structure. All 21 extraction wells were turned on. DEC met with CES-AGVIQ staff for the tour. DLA staff provided permission for the visit, but was not present on this date.

Action Date: 7/23/2007
Action: Update or Other Action
DEC Staff: Zachary Richter
Action Description: An Initial Site Characterization Report prepared by Michael L. Foster & Associates, Inc. was received by ADEC on October 26, 2006. This report delineates the nature and extent of contamination discovered while a private home owner (David Petroske) was excavating a foundation located approximately 80ft north of the MAPCO to Eielson Pipeline near Milepost 20.3. An initial Site Characterization effort was undertaken in September of 2003. Additional Site Characterization efforts were undertaken in September of 2004. The affected area is located between Baker Road and the intersection of the pipeline and Moose Creek Road. This area is approximately 400ft by 600ft or approximately five acres. The area is a spruce-birch forest with thick undergrowth of vegetation. The vegetation does not appear to be stressed by the soil and groundwater contamination. Three private water wells have each been sampled twice with analytical results indicating non-detect for GRO, DRO, and BTEX.

Action Date: 7/19/2011
Action: Meeting or Teleconference Held
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites (CS) and DLA staff participated in a meeting to discuss three sites: Moose Creek, Manchu Road and the Eielson Take-Off Pad. CS and DLA staff discussed funding, plans for 2012 and the need to move these sites toward closure. No groundwater monitoring will be conducted at the Take-Off Pad in 2011; instead, a more comprehensive plan that will include replacement of frost-jacked

MAP FINDINGS

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

wells, sampling for additional contaminants of potential concern and an effort to bound the dissolved-phase plume will be submitted in early 2012. All parties agreed that signed decision documents (DDs) will provide a clear path forward and possibly ease challenges in obtaining funding. It is anticipated that DDs for Manchu Road and the Take-Off Pad will be prepared within the next year and a DD for Moose Creek will be prepared within the next two years.

Action Date: 7/19/2011
Action: Meeting or Teleconference Held
DEC Staff: Kim DeRuyter
Action Description: Contaminated Sites (CS) and DLA staff participated in a meeting to discuss three sites: Moose Creek, Manchu Road and the Eielson Take-Off Pad. CS and DLA staff discussed funding, plans for 2012 and the need to move these sites toward closure. No groundwater monitoring will be conducted at the Take-Off Pad in 2011; instead, a more comprehensive plan that will include replacement of frost-jacked wells, sampling for additional contaminants of potential concern and an effort to bound the dissolved-phase plume will be submitted in early 2012. All parties agreed that signed decision documents (DDs) will provide a clear path forward and possibly ease challenges in obtaining funding. It is anticipated that DDs for Manchu Road and the Take-Off Pad will be prepared within the next year and a DD for Moose Creek will be prepared within the next two years.

Action Date: 7/18/2011
Action: Site Visit
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites staff participated in a site visit to observe ongoing field work at Moose Creek including source delineation with laser-induced fluorescence and analytical soil sampling and groundwater monitoring.

Action Date: 7/18/2011
Action: Site Visit
DEC Staff: Kim DeRuyter
Action Description: Contaminated Sites staff participated in a site visit to observe ongoing field work at Moose Creek including source delineation with laser-induced fluorescence and analytical soil sampling and groundwater monitoring.

Action Date: 7/16/2018
Action: Site Visit
DEC Staff: Erica Blake
Action Description: DEC attended the 14th Stakeholder meeting which was held at the Moose Creek site. The contractor, CES-AGVIQ and Defense Logistics Agency (DLA) staff also attended. A tour was conducted for residents in the area and for anyone who stopped by that was interested in the soil-vapor extraction system. At the time of this site visit, the extraction wells were not hooked up, and the system was not set up to run. Biosparge pilot tests, fence installation, and system start-up and testing will occur throughout this next week. The next stakeholder meeting is planned for February 2019.

Action Date: 7/13/2011
Action: Site Characterization Workplan Approved
DEC Staff: Kathleen Beutel

MAP FINDINGS

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

Action Description: Contaminated Sites staff received the Fiscal Year 2011 work plan on June 02, provided comments on June 28, received a response to comments on July 08 and approved the work plan on July 13. Further soil and groundwater characterization will be conducted in July. Two new monitoring wells will be installed ??? a sentinel well upgradient of the source area and one on the downgradient edge of the dissolved-phase plume. The soil source area will be delineated with up to 30 laser-induced fluorescence (LIF) samples and up to 30 analytical soil samples. Pressure transducers will be installed to gather additional information about groundwater fluctuation and flow direction.

Action Date: 7/11/2016
 Action: CERCLA ROD Approved
 DEC Staff: Kim DeRuyter
 Action Description: CS signed the Record of Decision today. Notices of Environmental Contamination have been filed on the impacted properties a soil vapor extraction system and bio venting wells will be installed in 2017.

Action Date: 6/8/2012
 Action: Site Characterization Report Approved
 DEC Staff: Kathleen Beutel
 Action Description: Contaminated Sites staff approved the final Moose Creek Site Residential Drinking Water Sampling Report. Drinking water wells were sampled twice in 2011. In winter 2011, pre- and post-treatment samples were collected at residences located closest to the release site, while other residences received tap-only sampling. The summer sampling event only included tap samples. In the winter, lead concentrations of up to 0.74 mg/L were identified upstream of the treatment system at four residences but were non-detect at the tap at all four residences. All analytes were non-detect during the summer sampling event. Drinking water samples will be collected at up to 14 residences in 2012. Pre- and post-treatment samples will be analyzed for gasoline range organics, diesel range organics, ethylene dibromide, volatile organic compounds, semivolatile compounds and lead.

Action Date: 6/28/2018
 Action: Site Visit
 DEC Staff: Erica Blake
 Action Description: DEC and Defense Logistics Agency (DLA) staff conducted a site visit. DEC and DLA walked the site and observed extraction well and extraction well piping sticking up at the northwestern side of a concrete pad. Once the soil-vapor extraction (SVE) system arrives in Fairbanks, it will be placed on the concrete pad and hooked up to the extraction wells. This SVE system was expected to arrive on June 29, 2018. The extraction wells and monitoring wells installed around the site were observed to be in good condition.

Action Date: 6/24/2019
 Action: Report or Workplan Review - Other
 DEC Staff: Dennis Shepard
 Action Description: DEC provided comments for the 2019 Groundwater Monitoring Work Plan Pipeline Release in Moose Creek, Alaska.

Action Date: 6/14/2019
 Action: Report or Workplan Review - Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

DEC Staff: Dennis Shepard
Action Description: DEC received the Draft Moose Creek 2019 Summer Groundwater Monitoring Work Plan dated June 2019.

Action Date: 6/11/2012
Action: Site Characterization Workplan Approved
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites staff approved the Fiscal Year 2012 Site Investigation Work Plan. Field activities include two rounds of residential well and tap sampling, a hydropunch (direct-push) groundwater investigation, installation of up to eight new monitoring wells, soil sampling at the locations of the new monitoring wells and three rounds of groundwater monitoring. It is intended that the information obtained from the 2012 investigation, coupled with previous data and additional soil gas data to obtained in 2012, will provide information to update the conceptual site model and develop a remediation strategy.

Action Date: 6/1/2011
Action: Update or Other Action
DEC Staff: Kathleen Beutel
Action Description: Follow-up residential drinking water sampling was conducted at the residence at which benzene was detected at the tap (see 15 April 2011 entry for details). All BTEX compounds and GRO were non-detect at the tap. Another round of drinking water sampling will be conducted this summer.

Action Date: 5/4/2020
Action: Report or Workplan Review - Other
DEC Staff: Sara Marshall
Action Description: DEC has provided comments on the Draft Moose Creek Pipeline Release Moose Creek, Alaska 2020 Summer (High) Groundwater Monitoring Work Plan April 2020 provided by Defense Logistics Agency - Energy on April 17, 2020. The Groundwater Monitoring work plan presents the methods for the monitoring and collection of groundwater samples to be conducted during the summer of 2020. Ten monitoring wells will be sampled and the results will be compared against the state regulatory criteria and previous sampling events.

Action Date: 5/2/2008
Action: Meeting or Teleconference Held
DEC Staff: Deborah Williams
Action Description: Attended a meeting with Jack Appolloni and Michael L. Foster to discuss future plans for the site. ADEC requested that a conceptual site model be completed for the site to determine if all the exposure pathways have been evaluated and to help determine what future remediation and/or monitoring is required for the site.

Action Date: 5/12/2011
Action: Meeting or Teleconference Held
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites staff attended a stakeholders??? meeting regarding recent residential well sampling at the Moose Creek site at Milepost 20.3 of the Eielson Pipeline. Several homes are located within a half-mile of the five-acre area of GRO, DRO and BTEX contamination. Eleven residential wells were sampled for GRO, DRO, BTEX, EDB, PAHs, lead and sulfolane. All GRO, DRO, EDB and sulfolane results were

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

non-detect. One residence will be re-sampled this week because benzene was non-detect upstream of the treatment system but above the cleanup level at the tap (0.12 mg/L). Three homes had lead upstream of the treatment system (0.012 - 0.2 mg/L) but all three were non-detect at the tap. Wells will be sampled again in August and another public meeting will be held on October 12.

Action Date: 5/1/2013
Action: Site Characterization Workplan Approved
DEC Staff: Eric Breitenberger
Action Description: FY13 work plan approved. The Moose Creek Monitoring Work Plan provides for three rounds of sampling of groundwater at the site, two rounds of sampling of residential drinking water wells, and other ancillary tasks. The work plan also calls for two stakeholder meetings to be conducted. This work will proceed in conjunction with the Moose Creek Soil Gas Work Plan, previously approved on March 20, 2013. Results from the two work plans are expected to help establish the feasibility of various remediation options.

Action Date: 4/27/2018
Action: Report or Workplan Review - Other
DEC Staff: Erica Blake
Action Description: DEC approved the Moose Creek Pipeline Release Groundwater Monitoring Report, Moose Creek, Alaska, dated April 11, 2018. The report describes 2017 groundwater sampling activities in Moose Creek, Alaska. Nine monitoring wells were sampled for gasoline range organics (GRO), diesel range organics (DRO), residual range organics (RRO), ethylene dibromide (EDB), benzene, toluene and total lead. Four of the nine monitoring wells were sampled for monitored natural attenuation (MNA) parameters: sulfate, nitrate/nitrite, methane, dissolved iron, dissolved manganese and total organic carbon (TOC). Results for GRO, DRO, benzene and EDB exceeded DEC's 2016 cleanup levels. The overall contaminant-of-concern (COC) concentrations in groundwater were lower in 2017, than 2016. Drinking water wells are sampled on an as-needed basis. No drinking water wells were sampled in 2017.

Action Date: 4/22/2019
Action: Institutional Control Periodic Reporting
DEC Staff: Bri Clark
Action Description: DEC reviewed and issued an approval letter for the Final Moose Creek Pipeline Release, Moose Creek, Alaska, 2018 Groundwater Monitoring Report, dated April 2019.

Action Date: 4/15/2011
Action: Update or Other Action
DEC Staff: Kathleen Beutel
Action Description: Residential drinking water well sampling was conducted in March 2011. 15 residents were contacted and 11 wells were sampled. Wells located closest to the plume were sampled both prior to the treatment system and at the tap. Wells further away were sampled only at the tap. Results were communicated to homeowners via letters. A summary report will be submitted to DEC following a second round of sampling in summer 2011. All wells were non-detect for GRO, DRO, toluene, ethylbenzene, xylenes and sulfolane. Benzene was detected below cleanup levels from the tap at one residence. At another residence, benzene was non-detect upstream of the treatment system but above the

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

cleanup level (0.12 mg/L) at the tap. Follow-up sampling will be conducted at the residence. Lead was detected upstream of the treatment system at three residences but was non-detect at the tap at all three residences.

Action Date: 3/4/2019
Action: Institutional Control Periodic Reporting
DEC Staff: Bri Clark
Action Description: DEC received the Moose Creek Pipeline Release, Moose Creek, Alaska, 2018 Groundwater Monitoring Report, Draft, dated February 2019.

Action Date: 3/28/2018
Action: Meeting or Teleconference Held
DEC Staff: Erica Blake
Action Description: The 13th stakeholder meeting was held March 28, 2018 to discuss the status of site cleanup progress at the Eielson Pipeline Release site in Moose Creek, Alaska. DEC, Defense Logistics Agency (DLA), US Air Force (USAF), US Army Corp of Engineers (USACE) and CES-AGVIQ of Alaska contractors attended. The focus of the meeting was to discuss a proposed installation of a Soil-vapor extraction (SVE)/Biovent system. Once DLA has obtained signed easement access agreements from the affected property owners, the SVE/Biovent system installation can begin. Currently, the groundwater at the site is sampled annually. Drinking water is sampled on an as-needed basis.

Action Date: 3/26/2019
Action: Institutional Control Periodic Reporting
DEC Staff: Bri Clark
Action Description: DEC issued comments on the Draft Moose Creek Pipeline Release, Moose Creek, Alaska, 2018 Groundwater Monitoring Report, dated February 2019.

Action Date: 2/22/2011
Action: Report or Workplan Review - Other
DEC Staff: Kathleen Beutel
Action Description: CS staff approved a work plan for residential drinking water well sampling within 1/4 mile of the contaminant plume. The work plan outlines two drinking water well sampling events scheduled for 2011. The winter sampling event will analyze 15 wells for DRO, GRO, EDB, VOCs, SVOCs, lead and sulfolane. The summer sample event will test only the seven wells closest to the contamination and omit lead and sulfolane testing. Because this water could be used for gardening or recreational activities, total aromatic hydrocarbons (TAH) and total aqueous hydrocarbons (TAqH) will be calculated from VOC/SVOC data and compared to surface water standards. If well logs or other well construction information cannot be obtained from homeowners, a downhole camera may be used (with homeowner consent) during the summer sampling event. The well will be disinfected and coliform bacteria testing will be completed following use of the camera.

Action Date: 2/15/2017
Action: Meeting or Teleconference Held
DEC Staff: Eric Breitenberger
Action Description: The 12th stakeholder meeting was held February 15, 2017 to discuss the status of the Eielson Pipeline Release site in Moose Creek, Alaska. DEC, Defense Logistics Agency (DLA), US Air Force (USAF) and CES-AGVIQ of Alaska contractors attended.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

Action Date: 2/15/2012
Action: Meeting or Teleconference Held
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites staff attended a stakeholders??? meeting regarding the Eielson Pipeline Milepost 20.3 ??? Moose Creek site. The responsible party, Defense Logistics Agency ??? Energy, shared results from 2011 including drinking water, soil gas, soil and groundwater data. No residential drinking water samples have exceeded the maximum allowable concentrations. Soil gas points installed around the residence closest to the plume were all non-detect. Additional site characterization data will be collected in 2012, and it is anticipated that cleanup options will be evaluated in 2013 and a decision document will be signed within the next two years. Approximately 7 residents attended the meeting.

Action Date: 12/9/2014
Action: Update or Other Action
DEC Staff: Eric Breitenberger
Action Description: Proposed Plan approved.

Action Date: 12/5/2006
Action: Site Added to Database
DEC Staff: Mitzi Read
Action Description: Site added to the database.

Action Date: 12/30/2011
Action: Update or Other Action
DEC Staff: Kathleen Beutel
Action Description: Staff provided comments on the draft Residential Well Sampling Report, which was received on 20 Dec 2011. The report summarizes results from two rounds of residential well sampling.

Action Date: 12/13/2006
Action: Exposure Tracking Model Ranking
DEC Staff: Mitzi Read
Action Description: Baseline ranking completed.

Action Date: 12/10/2014
Action: Update or Other Action
DEC Staff: Eric Breitenberger
Action Description: Feasibility Study approved. Selected Alternative is installation of a soil vapor extraction system and bioventing. Biosparging may potentially be added to the remedy.

Action Date: 11/22/2017
Action: Report or Workplan Review - Other
DEC Staff: Erica Blake
Action Description: DEC completed a review of the Moose Creek Pipeline Release, 2017 Low Groundwater Monitoring Work Plan describing groundwater monitoring activities at the Moose Creek Pipeline Release area in Moose Creek, Alaska. Contaminants of concern (COCs) to be analyzed at nine monitoring wells (MW-01, MW-02, MW-06, MW-07, MW-08, MW-09, MW-10, MW-13 and MW-15) are; gasoline range organics (GRO), diesel range organics (DRO), residual range organics (RRO), 1,2-dibromoethane (EDB), total lead, benzene and toluene. MW-01, MW-06, MW-08 and MW-10 will be additionally analyzed for; nitrite/nitrate, dissolved iron and manganese, sulfate, methane and total organic carbon (TOC). The

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

monitoring wells are to be sampled in early December 2017.

Action Date: 11/16/2018
Action: Report or Workplan Review - Other
DEC Staff: Bri Clark
Action Description: DEC completed review of and approved the final Moose Creek Pipeline Release, Moose Creek, Alaska 2018 Low Groundwater Monitoring Work Plan dated November 2018. This work plan describes the sampling and analysis to be done for the historic fuel release that occurred at Pipeline Milepost 20.3. This work plan details the site background, sampling plan, and analysis to be conducted for groundwater at the site. Nine monitoring wells are to be assessed for the identified contaminants of concern as well as natural attenuation parameters in four wells.

Action Date: 11/15/2006
Action: Spill Transferred from Prevention Preparedness and Response Program
DEC Staff: Mitzi Read
Action Description: Site transferred by PERP staff Walt Sandel; Spill No. 03309923902; PERP File No. 100.02.256; Spill Date 8/27/03; Quantity Unknown; Substance = JP4.

Action Date: 11/13/2017
Action: Update or Other Action
DEC Staff: Erica Blake
Action Description: The Defense Logistics Agency (DLA) sent DEC a copy of the Moose Creek Stakeholder meeting invitation. The Stakeholder meeting would be for residents interested in the progress of site cleanup. The next Stakeholders meeting is tentative for early 2018.

Action Date: 10/9/2019
Action: Report or Workplan Review - Other
DEC Staff: Sara Marshall
Action Description: DEC provided comments on Moose Creek Pipeline Release Moose Creek, Alaska 2019 Summer(High) Groundwater Monitoring Report Draft October 2019. The draft report provided data from the summer (high) groundwater monitoring and sample analysis.

Action Date: 10/30/2019
Action: Meeting or Teleconference Held
DEC Staff: Sara Marshall
Action Description: The bi-annual stakeholders meeting was held October 30, 2019 to discuss the status of site cleanup progress at the Eielson Pipeline Release site in Moose Creek, Alaska. DEC, Defense Logistics Agency (DLA), US Air Force (USAF), and CES-AGVIQ of Alaska contractors attended. The focus of the meeting was to discuss the Soil-vapor extraction (SVE)/Biovent system. The property owners were updated on clean up progress.

Action Date: 10/24/2019
Action: Report or Workplan Review - Other
DEC Staff: Sara Marshall
Action Description: DEC accepted conducting the fall (low) groundwater monitoring event in accordance with the approved Moose Creek Pipeline Release Moose Creek, Alaska 2019 Summer High Groundwater Monitoring Work Plan dated June 25, 2019.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

Action Date: 10/23/2018
Action: Update or Other Action
DEC Staff: Bri Clark
Action Description: DEC received results from the start-up sampling for the Moose Creek SVE system. Filtration of the emissions is not required based on sample results.

Action Date: 10/12/2011
Action: Meeting or Teleconference Held
DEC Staff: Kathleen Beutel
Action Description: Contaminated Sites staff attended a stakeholders??? meeting that summarized data collected this year at the Moose Creek site at Milepost 20.3 of the Eielson Pipeline. Drinking water wells were sampled twice this year and will continue to be sampled semi-annually. All results from the most recent round of sampling were non-detect. The ultraviolet optical screening tool was used this summer to fully delineate the soil contamination. Two new monitoring wells were installed at the up and downgradient edges of the plume; all results from these wells were non-detect. Wells within the source areas had concentrations of GRO, DRO, benzene and EDB above cleanup levels. The responsible party plans to conduct a soil-gas study this year at the residence closest to the plume and plans to delineate the lateral extent of the plume next year during a hydro-punch investigation. This will be followed by a feasibility study in 2013. Groundwater will continue to be monitored three times per year and pressure transducers continue to generate data regarding groundwater fluctuation and flow direction. Approximately ten residents attended the meeting. The next public meeting will be held February 15, 2012.

Action Date: 10/12/2011
Action: Meeting or Teleconference Held
DEC Staff: Kim DeRuyter
Action Description: Contaminated Sites staff attended a stakeholders??? meeting that summarized data collected this year at the Moose Creek site at Milepost 20.3 of the Eielson Pipeline. Drinking water wells were sampled twice this year and will continue to be sampled semi-annually. All results from the most recent round of sampling were non-detect. The ultraviolet optical screening tool was used this summer to fully delineate the soil contamination. Two new monitoring wells were installed at the up and downgradient edges of the plume; all results from these wells were non-detect. Wells within the source areas had concentrations of GRO, DRO, benzene and EDB above cleanup levels. The responsible party plans to conduct a soil-gas study this year at the residence closest to the plume and plans to delineate the lateral extent of the plume next year during a hydro-punch investigation. This will be followed by a feasibility study in 2013. Groundwater will continue to be monitored three times per year and pressure transducers continue to generate data regarding groundwater fluctuation and flow direction. Approximately ten residents attended the meeting. The next public meeting will be held February 15, 2012.

Action Date: 1/7/2011
Action: Report or Workplan Review - Other
DEC Staff: Kathleen Beutel
Action Description: 2010 Site Summary Report, prepared by OASIS on behalf of DESC. This report summarizes all site characterization work and is designed to provide a comprehensive basis for planning future efforts that result

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

in final remedial decisions, a long-term monitoring plan and a schedule for closure. 2009 testing showed soil and groundwater contamination above cleanup levels for GRO, DRO and BTEX.

Action Date: 1/5/2018
 Action: Report or Workplan Review - Other
 DEC Staff: Erica Blake
 Action Description: DEC approved the Remedial Implementation Work Plan (dated July 2016) for the Eielson Pipeline Release site in Moose Creek, Alaska. The Work Plan describes the installation procedure for a soil vapor extraction (SVE) system and bioventing system to remediate the petroleum contamination at the site. Review comments on the Work Plan were provided on October 4, 2016. DEC received responses to the comments on December 28, 2017. DEC requested an updated Work Plan be provided for review prior to implementation of this approved Work Plan.

Action Date: 1/25/2019
 Action: Site Visit
 DEC Staff: Bri Clark
 Action Description: DEC and Defense Logistics Agency (DLA) staff conducted a site visit. DEC and DLA walked the site and observed extraction wells and the soil-vapor extraction (SVE) system. The SVE system was non-operational at the time of the visit due to a contracting issue. DLA staff stated that the system will be operational beginning February 1, 2019. The extraction wells and monitoring wells installed around the site were observed to be in good condition.

Action Date: 1/19/2011
 Action: Meeting or Teleconference Held
 DEC Staff: Kathleen Beutel
 Action Description: ADEC attended an initial stakeholders' meeting. DLA-Energy (the responsible party) and its contractor, OASIS, presented a site history and upcoming plans to sampling drinking water wells twice and conduct quarterly groundwater sampling in 2011. Another stakeholders' meeting to discuss results of the upcoming well sampling was scheduled for May 11, 2011.

Contaminants:
 Staff: Sara Marshall, 9074512156 , sara.marshall@alaska.gov

Contaminate Name1: DESC MP 20.3 Eielson Pipeline Release - Moose Cree
 Contaminate Level Description1: Not reported
 Contaminate Media1: Not reported

Control Type: Not reported
 Control Details Description1: Not reported
 Contaminant CTD: Not reported
 Contaminant CDR: Not reported
 Comments: Not reported

Inst Control:
 Name: DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK
 Address: MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK
 City,State,Zip: FAIRBANKS, AK 99701

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK (Continued)

S108236960

Hazard ID: 4327
Facility Status: Active
Action: Institutional Control Periodic Reporting
Action Date: 3/4/2019
File Number: 100.38.208

Name: DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK
Address: MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK
City,State,Zip: FAIRBANKS, AK 99701
Hazard ID: 4327
Facility Status: Active
Action: Institutional Control Periodic Reporting
Action Date: 3/26/2019
File Number: 100.38.208

Name: DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK
Address: MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK
City,State,Zip: FAIRBANKS, AK 99701
Hazard ID: 4327
Facility Status: Active
Action: Institutional Control Periodic Reporting
Action Date: 4/22/2019
File Number: 100.38.208

9
East
1/2-1
0.575 mi.
3038 ft.

EIELSON AFB RR R/W
FAIRBANKS, AK

FUDS 1024901018
N/A

Relative:
Higher
Actual:
518 ft.

FUDS:
EPA Region: 10
Installation ID: AK09799F704900
Congressional District Number: 0
Name: EIELSON AFB RR R/W
FUDS Number: F10AK0659
City: FAIRBANKS
State: AK
County: FAIRBANKS NORTH STAR BOROUGH
Object ID: 5338
USACE Division: POD
USACE District: Alaska District (POA)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: <https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=56228>
Eligibility: Eligible
Has Projects: No
NPL Status: Not on the NPL
Property History: The site was obtained by the USAF from Dept. of the Interior, BLM in 1948. \$1,125,000.00 of track and appertenances were constructed and used by the Air Force from 1948 to 1951. This site was disp osed of by transfer to the U.S. Department of the In

Project Required: No
Feature Description: Not reported
Latitude: 64.714444439999895
Longitude: -147.16694444000001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

10
ESE
1/2-1
0.745 mi.
3932 ft.

FNSB - NORTH STAR VOLUNTEER FIRE DEPT STATION 5
3477 OLD RICHARDSON HWY
NORTH POLE, AK 99705

SHWS S109256403
N/A

Relative:
Lower
Actual:
507 ft.

SHWS:
Name: FNSB - NORTH STAR VOLUNTEER FIRE DEPT STATION 5
Address: 3477 OLD RICHARDSON HWY
City,State,Zip: NORTH POLE, AK 99705
File Number: 100.26.121
Staff: Not reported
Facility Status: Cleanup Complete
Latitude: 64.710260
Longitude: -147.156710
Hazard ID: 24430
Problem: Hung was staff assigned.

Actions:

Action Date: 9/6/2000
Action: Underground Storage Tank Site Characterization or Assessment
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 9/6/2000
Action: Leaking Underground Storage Tank Cleanup Initiated - Petroleum
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 9/6/2000
Action: Site Closure Approved
DEC Staff: * Not Assigned
Action Description: The site did not have reported contamination and likely should not have been included in the DB. An NFA was completed for this site on this day (JBC entry)

Action Date: 12/12/1991
Action: Site Added to Database
DEC Staff: * Not Assigned
Action Description: Not reported

Action Date: 11/20/1997
Action: Update or Other Action
DEC Staff: * Not Assigned
Action Description: ADEC sends Notification of Intent to Cost Recover Letter to Current Owner: FAIRBANKS NORTH STAR BOROUGH

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: N/A
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 08/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: N/A
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 08/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 08/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/25/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021	Source: EPA
Date Data Arrived at EDR: 03/23/2021	Telephone: 800-424-9346
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/21/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (206) 553-1200
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/21/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (206) 553-1200
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/21/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (206) 553-1200
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/21/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: (206) 553-1200
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 06/21/2021
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/10/2021	Source: Department of the Navy
Date Data Arrived at EDR: 05/13/2021	Telephone: 843-820-7326
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 08/05/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/17/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 703-603-0695
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 703-603-0695
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 05/21/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites Database

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 05/21/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-451-2143
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/04/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/08/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-269-7632
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-465-5301
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Semi-Annually

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020	Source: EPA Region 7
Date Data Arrived at EDR: 12/22/2020	Telephone: 913-551-7003
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 12/16/2020	Telephone: 312-886-7439
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 06/11/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020	Source: EPA Region 8
Date Data Arrived at EDR: 12/16/2020	Telephone: 303-312-6271
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2020	Telephone: 415-972-3372
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020	Source: EPA Region 10
Date Data Arrived at EDR: 12/16/2020	Telephone: 206-553-2857
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020	Source: EPA Region 1
Date Data Arrived at EDR: 12/16/2020	Telephone: 617-918-1313
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021	Source: FEMA
Date Data Arrived at EDR: 02/17/2021	Telephone: 202-646-5797
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 06/29/2021
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/07/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/07/2021	Telephone: 907-269-7504
Date Made Active in Reports: 07/22/2021	Last EDR Contact: 08/11/2021
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Semi-Annually

AST: Regulated Aboveground Storage Tanks

The list covers "regulated" facilities with storage capacities above 10,000 barrels (or 5,000 barrels of crude).

Date of Government Version: 05/25/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/25/2021	Telephone: 907-465-5231
Date Made Active in Reports: 06/01/2021	Last EDR Contact: 05/25/2021
Number of Days to Update: 7	Next Scheduled EDR Contact: 09/06/2021
	Data Release Frequency: No Update Planned

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020	Source: EPA Region 4
Date Data Arrived at EDR: 12/18/2020	Telephone: 404-562-9424
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/17/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020	Source: EPA Region 10
Date Data Arrived at EDR: 12/16/2020	Telephone: 206-553-2857
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 12/16/2020	Telephone: 617-918-1313
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020	Source: EPA Region 9
Date Data Arrived at EDR: 12/16/2020	Telephone: 415-972-3368
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020	Source: EPA Region 7
Date Data Arrived at EDR: 12/22/2020	Telephone: 913-551-7003
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020	Source: EPA Region 5
Date Data Arrived at EDR: 12/16/2020	Telephone: 312-886-6136
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 06/11/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020	Source: EPA Region 8
Date Data Arrived at EDR: 12/16/2020	Telephone: 303-312-6137
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 06/11/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

A listing of sites with engineering controls in place included in the Contaminated Sites.

Date of Government Version: 05/21/2020	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/21/2020	Telephone: 907-451-2143
Date Made Active in Reports: 08/06/2020	Last EDR Contact: 07/21/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Inst Control: Contaminated Sites with Institutional Controls
Contaminated sites that have institutional controls.

Date of Government Version: 05/21/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-451-2143
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Semi-Annually

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

VCP: Voluntary Cleanup Program sites

Sites involved in the Voluntary Cleanup Program.

Date of Government Version: 02/10/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 907-451-2143
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Identified and/or Proposed Brownfields Sites

Brownfield properties are defined by U.S Environmental Protection Agency (EPA) as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contamination." DEC is developing resources to assist eligible entities in Alaska in applying for EPA brownfields grants. The program also will provide technical assistance and perform some site assessments. The purpose of these assessments is to assist local redevelopment efforts on previously contaminated properties that are vacant or underused.

Date of Government Version: 05/21/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-451-2166
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/15/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of Recycling centers in the state of Alaska.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 12/30/2014
Date Made Active in Reports: 02/02/2015
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 907-269-7802
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

CDL: Illegal Drug Manufacturing Sites

A list of properties that have been determined to be illegal drug manufacturing sites.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/22/2021
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 907-269-7543
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

PFAS have been widely used in numerous industrial and residential applications since the 1950s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 03/04/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-465-5076
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

SPILLS: Spills Database

Oil and hazardous substance releases to be reported to the Department of Environmental Conservation.

Date of Government Version: 03/29/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/16/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 907-465-5242
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 07/21/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/08/2013
Number of Days to Update: 36

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/04/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/09/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 08/06/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/22/2021
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2021	Telephone: 202-566-1917
Date Made Active in Reports: 06/17/2021	Last EDR Contact: 06/21/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/04/2021
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 07/26/2021
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 08/06/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 06/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/27/2021
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 05/17/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/30/2021
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/19/2021	Source: EPA
Date Data Arrived at EDR: 04/20/2021	Telephone: 202-564-4203
Date Made Active in Reports: 07/16/2021	Last EDR Contact: 07/19/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021	Source: EPA
Date Data Arrived at EDR: 05/03/2021	Telephone: 703-416-0223
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 08/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/13/2021
	Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/07/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/13/2021	Telephone: 202-564-8600
Date Made Active in Reports: 08/03/2021	Last EDR Contact: 07/14/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/01/2021
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 202-564-6023
Date Made Active in Reports: 03/05/2021	Last EDR Contact: 08/04/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 07/09/2021
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/29/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 07/02/2021
Number of Days to Update: 546	Next Scheduled EDR Contact: 10/18/2021
	Data Release Frequency: Varies

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 07/23/2021
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/15/2021
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 08/12/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/29/2021
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2021	Telephone: 703-603-8787
Date Made Active in Reports: 05/19/2021	Last EDR Contact: 08/04/2021
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

AIRS: AIRS Facility Listing

A listing of permitted airs facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 907-451-2103
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash disposal site locations.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 907-451-2135
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaning facilities in Alaska.

Date of Government Version: 02/15/2006
Date Data Arrived at EDR: 02/16/2006
Date Made Active in Reports: 03/15/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 907-269-7577
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/22/2021
Number of Days to Update: 76

Source: Department of Environmental Conservation
Telephone: 907-269-8149
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/24/2007
Date Data Arrived at EDR: 04/26/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 907-269-7802
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

NPDES: Wastewater Discharge Permit Listing

A listing of permitted wastewater facilities.

Date of Government Version: 03/15/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: Department of Environmental Conservation
Telephone: 907-465-5480
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

UIC: UIC Information

A listing of underground injection control wells.

Date of Government Version: 11/02/2020
Date Data Arrived at EDR: 11/10/2020
Date Made Active in Reports: 01/27/2021
Number of Days to Update: 78

Source: Oil & Gas Conservation Commission
Telephone: 907-793-1224
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Alaska.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Alaska.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

Oil/Gas Pipelines

Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media
This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities Database

Source: Department of Education & Early Development
Telephone: 907-465-2800

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Classification and Mapping
Source: Alaska Natural Heritage Program
Telephone: 907-235-2218

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FIRST STUDENT
4443 CLAUDE STREET
NORTH POLE, AK 99705

TARGET PROPERTY COORDINATES

Latitude (North):	64.716698 - 64° 43' 0.11"
Longitude (West):	147.190542 - 147° 11' 25.95"
Universal Tranverse Mercator:	Zone 6
UTM X (Meters):	490919.2
UTM Y (Meters):	7176701.5
Elevation:	515 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property:	N/A
Source:	USGS 7.5 min quad index

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

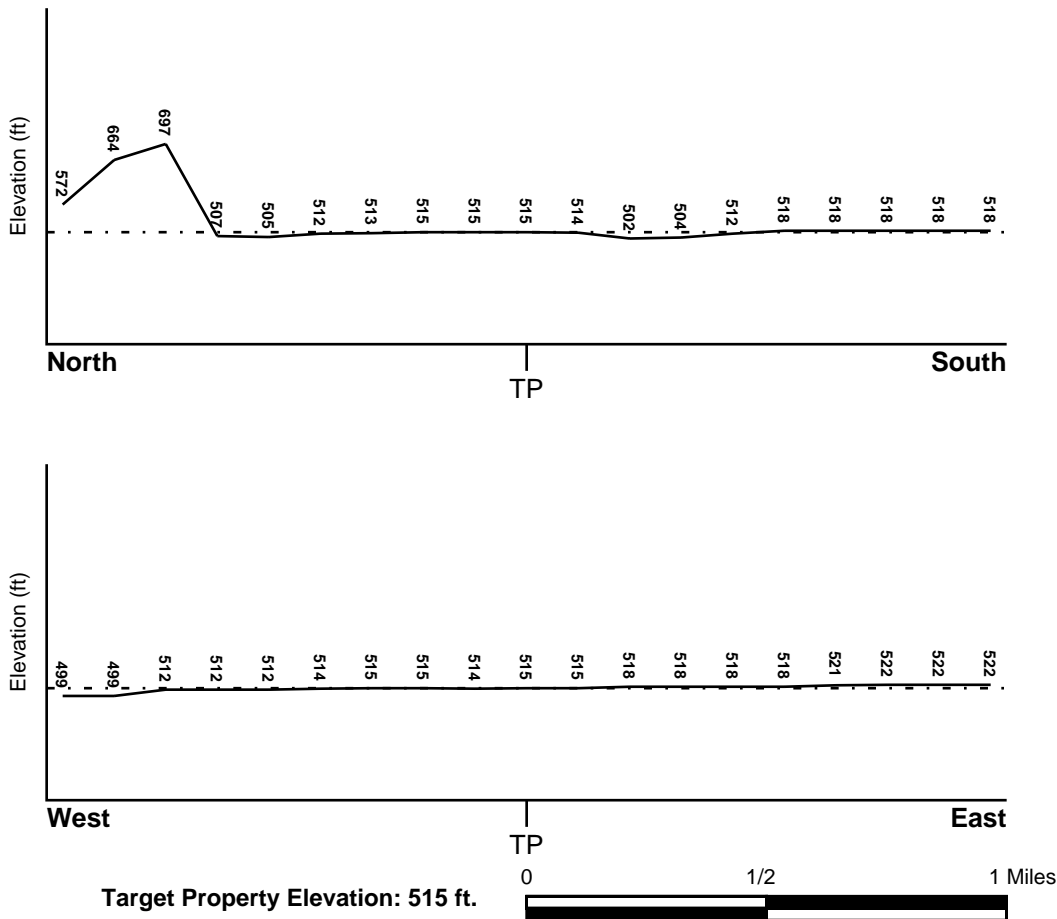
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
02090C5450J	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
Not Reported	N

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

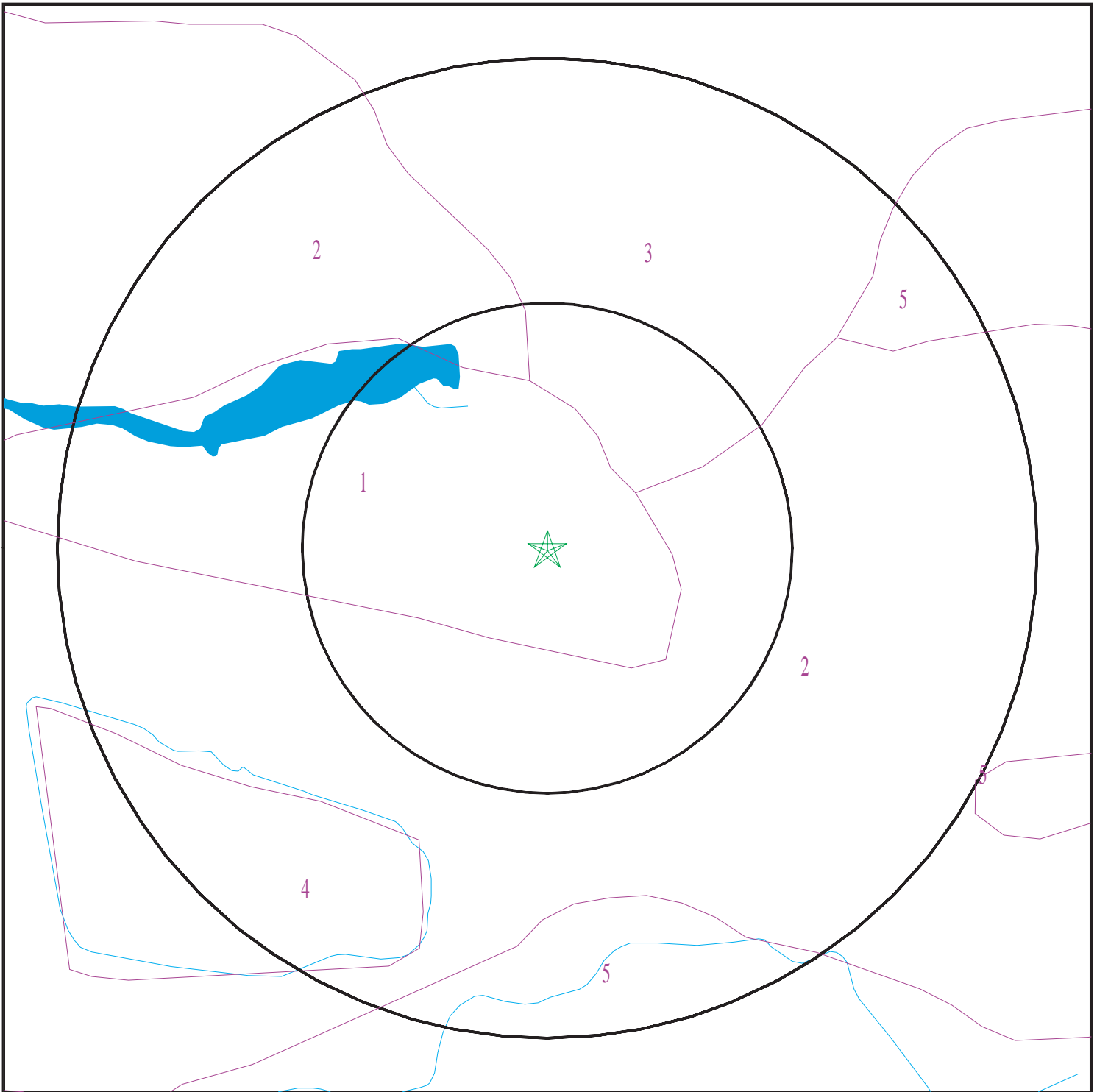
Era: -
System: -
Series: -
Code: N/A (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

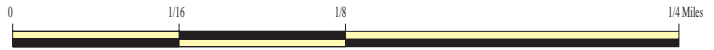
Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6623441.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: First Student
ADDRESS: 4443 Claude Street
North Pole AK 99705
LAT/LONG: 64.716698 / 147.190542

CLIENT: STRATA Environmental Serv Inc.
CONTACT: Paul Platillero
INQUIRY #: 6623441.2s
DATE: August 17, 2021 4:58 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Salchaket

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
2	2 inches	24 inches	very fine sandy loam	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	24 inches	44 inches	stratified silt loam to fine sand	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
4	44 inches	72 inches	very gravelly sand	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1

Soil Map ID: 2

Soil Component Name: Salchaket

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
2	2 inches	24 inches	very fine sandy loam	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
3	24 inches	44 inches	stratified silt loam to fine sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
4	44 inches	72 inches	very gravelly sand	A-8	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Eielson

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.6 Min: 6.1
2	2 inches	49 inches	very fine sandy loam	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.6 Min: 6.1
3	49 inches	70 inches	stratified silt loam to fine sand	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.6 Min: 6.1
4	70 inches	72 inches	very gravelly sand	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.6 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: Water

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Salchaket

Soil Surface Texture: slightly decomposed plant material

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	slightly decomposed plant material	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	2 inches	24 inches	very fine sandy loam	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
3	24 inches	44 inches	stratified silt loam to fine sand	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1
4	44 inches	72 inches	very gravelly sand	A-8	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 141.14 Min: 42.34	Max: 7.3 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

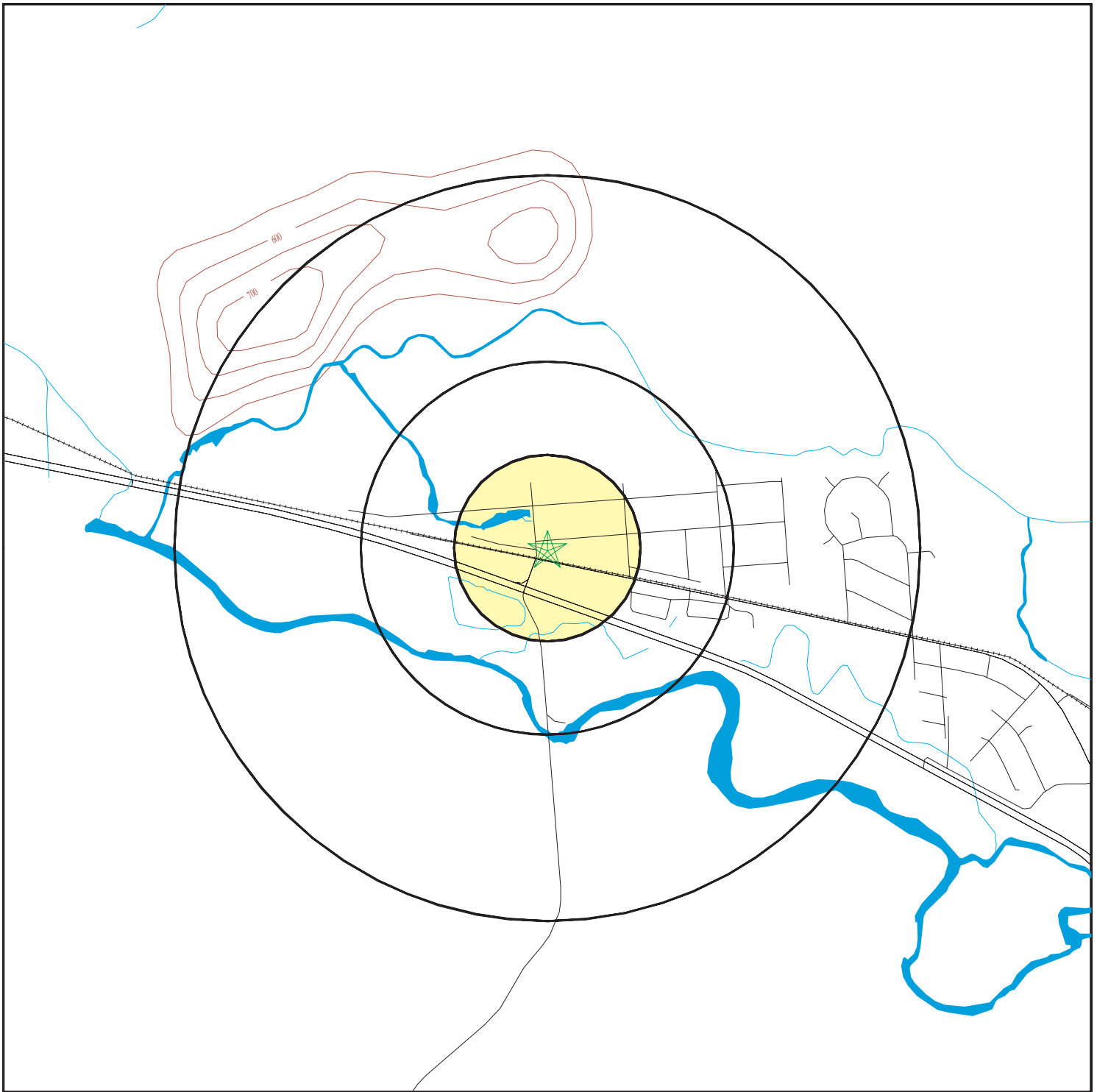
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		








FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

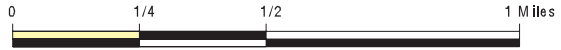
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		





Note: PWS System location is not always the same as well location.

PHYSICAL SETTING SOURCE MAP - 6623441.2s



-  County Boundary
-  Major Roads
-  Contour Lines
-  Earthquake epicenter, Richter 5 or greater
-  Water Wells
-  Public Water Supply Wells
-  Cluster of Multiple Icons



-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Oil, gas or related wells



SITE NAME: First Student
 ADDRESS: 4443 Claude Street
 North Pole AK 99705
 LAT/LONG: 64.716698 / 147.190542

CLIENT: STRATA Environmental Serv Inc.
 CONTACT: Paul Platillero
 INQUIRY #: 6623441.2s
 DATE: August 17, 2021 4:58 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: AK Radon

Radon Test Results

Num Tests	< 0.5 pCi/L	0.5 - 2.0	2.1 - 4.0	4.1 - 10	10-20	> 20 pCi/L
35	1	22	9	2	0	1

Federal EPA Radon Zone for FAIRBANKS NORTH STAR County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 99705

Number of sites tested: 16

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.425 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.169 pCi/L	94%	6%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Classification and Mapping

Source: Alaska Natural Heritage Program

Telephone: 907-235-2218

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Department of Administration, Oil & Gas Conservation Commission

Telephone:

Oil and gas well locations in the state.

RADON

State Database: AK Radon

Source: University of Alaska Fairbanks

Telephone: 907-474-7201

Radon Information

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX E QUALIFICATIONS



SUMMARY OF QUALIFICATIONS

- More than 18 years experience providing environmental engineering services in the areas of Environment Health and Safety (EHS) audits, environmental management/compliance, environmental site assessments, remedial investigation/design/action, storm water management, groundwater investigations, energy auditing, and solar thermal system design, installation, and maintenance.
- Technical training instructor: EHS auditing skills, environmental management systems, ISO 14001, pollution prevention, waste management, storm water management, solar energy systems (photovoltaic and thermal) and spill prevention, control and countermeasures (SPCC).
- Licensed Professional Engineer (P.E.), State of Tennessee # 00110403.
- Certified Professional Environmental Auditor (C.P.E.A.), Board of Environmental, Health & Safety Certifications #1207719.
- Member of the American Society of Civil Engineers (ASCE).
- Member of The Auditing Roundtable, an international organization for EHS Auditors.
- Member of American Solar Energy Society (ASES).
- Fluent in English and Spanish, some Italian, Portuguese and French.

EXPERIENCE

Performed EHS Audits for industrial clients in the United States, Canada, Spain, Italy, France, and England. Industrial sites included aluminum extrusion plants, smelters, refineries, rolling mills, fabricating plants, power plants, marine ports, loading/unloading facilities, electric substations, water and wastewater treatment plants, glass manufacturing, and other industrial facilities. Environmental audit areas included waste management, water/wastewater programs, air emission control programs, land management, environmental management systems, chemical release programs, and management of toxic substances. Health & Safety audit areas included confined space entry, fall protection, mobile equipment, hazard communications, respiratory protection and lock-out/tag-out.

Developed and helped to implement an Environmental Management System (EMS) in accordance with ISO 14001 standards. Services included assisting client to develop required documentation, procedures, and resources necessary for ISO registration. Conducted ISO 14001 training with facility employees and assisted personnel with internal audit.

Provided environmental compliance services to corporate manufacturing company with facilities located thirteen states. Services included assistance with stormwater and wastewater permitting, air permitting, hazardous waste management, storage tank registration, and management of toxic substances. Conducted location specific environmental compliance training in English and Spanish.

Completed facility energy audits to assess energy consumption and identify potential energy efficiency opportunities. Auditing process consisted of conducting site inspections and data evaluation. Data from the audits was entered in to EPA's Portfolio Manager database to evaluate energy efficiency ranking and determine annualized site energy intensity (kBtu/ft²/year). Greenhouse gas (GHG) emissions were also calculated based on energy fuel source and location (MtCO₂e/year). Facility water consumption and waste generation were also evaluated to determine feasible alternatives for reductions and potential cost savings.

Conducted Phase I and Phase II environmental site assessments (ESAs) and environmental due diligence for acquisitions and divestures, both nationally and internationally.

Completed the installation of solar thermal heating system at conference center in Alicante Spain. The solar thermal heating system consisted of Thermomax™ evacuated solar collector tubes and heat storage tank with internal heat exchanger. The system included a solar photovoltaic (PV) circulation pump and supplied hydronic space heating, domestic hot water, and pool heating.

Completed assessment of contaminated groundwater and wetland springs in karst geology. Assessment work included a widespread groundwater investigation, using an extensive network of monitoring wells. Several dye tracer studies were completed as part of the aquifer characterization, including groundwater flow in karst areas. Environmental impacts to surface water and sediments were assessed at a nearby public wetland area and groundwater quality at private residential sites.

Responsible for the design and construction of a hazardous waste landfill cover of a four acre site containing RCRA hazardous waste. The cap cover included an HDPE liner, geosynthetic drainage collection system, and exhaust vents to release potential landfill gases. Management of the construction work included quality assurance/quality control (QA/QC) oversight by third party inspections and documentation of significant aspects of the work.

Responsible for the design and construction of a six acre non-hazardous industrial waste landfill cap. The cap cover consisted of three cells using low permeability compacted clay and vegetative layer, as well as a storm water collection and discharge system.

Managed remedial investigation and feasibility study (RI/FS) at 13 acre landfill site. Remedial investigation includes soil, groundwater, surface water, and sediment. A risk assessment (RA) was also performed to quantify risk and establish risk based limits for contaminants of concern.

Completed a comprehensive feasibility study to reduce total suspended solids (TSS) and oil/grease (O&G) from a 113 acre industrial site in order to meet NPDES storm water permit requirements. Study included the development of a conceptual site model, pollutant load analysis, and the use of computer modeling of EPA's version 5.0 SWMM program.

Completed multi-phased remedial investigation at four state superfund sites containing mixed wastes, used hydraulic oils, solvents, scrap metals, transformer fluids, and other solid wastes.

EDUCATION

Solar Photovoltaic Technology, Pellissippi State Community College, Knoxville, Tennessee, 2011.

Solar Water Heating Systems, Florida Solar Energy Center, Cocoa, Florida, 2010.

Energy Auditing Course, The Auditing Roundtable, San Antonio, Texas, 2009.

Environmental Management Masters degree program, Escuela Europea de Negocios, Murcia, Spain, 2003-2004.

Environmental Management Systems, University of Alicante, Alicante, Spain, 2001.

Environment, Health and Safety Auditing training. Alcoa Inc, Brussels, Belgium, 1998.

Groundwater Pollution and Hydrology Course, The Princeton Course, Orlando, Florida, 1995.

Design/Installation of Groundwater Monitoring Wells, University of Madison, Wisconsin, 1994.

40-hour Hazardous Waste Operations Training, per 29 CFR 1910.120 (and annual 8-hour refresher courses), Knoxville, Tennessee, 1994-present.

Remediation and Human Health Risk Assessment, Radian Inc., Austin, Texas, 1993.

B.S. with honors, Civil Engineering, minor in Mathematics, University of Tennessee, Knoxville, Tennessee, 1990.

SUMMARY OF QUALIFICATIONS

- Founder of Strata Environmental Services, Inc.
- Bachelor's Degree in Civil Engineering.
- Licensed Professional Engineer.
- Registered Environmental Property Assessor.
- Certified Professional Environmental Auditor.
- Accomplished 35-years plus record of environmental engineering, consulting, and project management experience with the U.S. EPA, the Department of Interior, and private practice.

EXPERIENCE

Technical, project and administrative consultant and project manager for environmental services firm since 1992 providing environmental compliance programs, permitting, regulatory analysis and support, soil/groundwater investigations and remediation and site assessment services.

Provided environmental due diligence consulting on major merger, acquisition and divestiture transactions including Pepsi acquisition of Tropicana, Graybar Building in New York, NBC Studios, Sands Hotel, Excide battery manufacturing, Square D electric, FinnChem manufacturing, Indalex aluminum, Salesforce corporate headquarters, Ghirardelli Square.

Managed litigation technical support teams in the defense of industrial clients including claims of damage to Pensacola public groundwater supply by chlorinated solvents, groundwater contamination by a battery manufacturer in Tampa, and contamination of the Biscayne Aquifer by PCB releases from a transformer disposal operation.

Conducted hundreds of compliance investigations and audits for commercial and industrial facilities including the Alyeska Pipeline.

Contributed to the development and implementation of the EPA's first analytical Quality Assurance/Quality Control program and national water quality database (STORET).

Directed development of water quality standards and water quality criteria for EPA Region 4. Developed federal rules to establish water quality standards and determinations of hydrological consequences.

Registered Environmental Assessor in the State of California.

EDUCATION

B.S., Civil Engineering, Virginia Polytechnic Institute, 1969.