

# 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

|                                                                                                 |            |
|-------------------------------------------------------------------------------------------------|------------|
| <b>COMMON ACRONYMS AND ABBREVIATIONS .....</b>                                                  | <b>iii</b> |
| <b>SECTION 1.0 INTRODUCTION AND EXECUTIVE SUMMARY .....</b>                                     | <b>1</b>   |
| 1.1 Purpose.....                                                                                | 1          |
| 1.2 Findings and Conclusions.....                                                               | 1          |
| 1.3 Non-Scope Considerations.....                                                               | 2          |
| <b>SECTION 2.0 PROPERTY DESCRIPTION .....</b>                                                   | <b>3</b>   |
| 2.1 Current Uses of the Property .....                                                          | 3          |
| 2.2 Current Uses of the Adjoining Properties .....                                              | 4          |
| <b>SECTION 3.0 RECORDS REVIEW .....</b>                                                         | <b>5</b>   |
| 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          |
| <b>SECTION 4.0 PROPERTY RECONNAISSANCE .....</b>                                                | <b>8</b>   |
| 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         |
| <b>SECTION 5.0 INTERVIEWS AND USER-PROVIDED INFORMATION .....</b>                               | <b>11</b>  |
| 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         |
| <b>SECTION 6.0 SOURCES .....</b>                                                                | <b>13</b>  |
| <b>SECTION 7.0 SCOPE AND LIMITATIONS.....</b>                                                   | <b>14</b>  |
| 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                                                                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Property size:</b>                     | 4.23 acres (4 lots)                                                                                                                          |
| <b>Property shape:</b>                    | Irregular                                                                                                                                    |
| <b>Legal description:</b>                 | Property Assessor Number (PAN) 515701; Parcel Numbers 142549, 142557, 142565, 142573, as recorded with Fairbanks North Star Borough Assessor |
| <b>Property topography:</b>               | Relatively flat                                                                                                                              |
| <b>Groundwater flow:</b>                  | Inferred southwest toward Tanana River                                                                                                       |
| <b>Surface water features:</b>            | None                                                                                                                                         |
| <b>Building description and use:</b>      | Large vacant single-story building formerly used for bus parking, maintenance garage (Shop), and administration (Office)                     |
| <b>Building size:</b>                     | ~30,000 square feet (ft <sup>2</sup> )                                                                                                       |
| <b>Building age:</b>                      | 48 years (1973)                                                                                                                              |
| <b>Building construction:</b>             | Steel frame with insulated metal siding walls and roof; concrete slab-on-grade floor                                                         |
| <b>Other structures:</b>                  | None                                                                                                                                         |
| <b>Heating system(s):</b>                 | Office – heating oil-powered central heating system<br>Maintenance – heating oil ceiling heaters                                             |
| <b>Cooling system(s):</b>                 | None                                                                                                                                         |
| <b>Landscaped or unimproved areas:</b>    | No landscaped areas; wooded area along east side                                                                                             |
| <b>On-site roads/parking/paved areas:</b> | Employee and bus parking lots south and west of building                                                                                     |
| <b>Potable water source:</b>              | Town of North Pole                                                                                                                           |
| <b>Wells on-site:</b>                     | One groundwater monitoring well (historical sampling)                                                                                        |
| <b>Sanitary sewer:</b>                    | Septic system                                                                                                                                |
| <b>Storm sewer:</b>                       | Moose Creek municipality                                                                                                                     |
| <b>Zoning:</b>                            | 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<br>Address<br>Position to the Property                     | Database<br>Listing(s)      | Risk Posed to Property/Evaluation/Comments           |
|----------------------------------------------------------------------|-----------------------------|------------------------------------------------------|
| Mat-Su/Moose Creek Bus Barn<br>343 Moose Creek/4440 Moose Creek Ave. | SHWS (2),<br>LUST (2)       | Confirmed impact to the Property – See Section 3.1.1 |
| Target Property                                                      |                             |                                                      |
| Moose Creek General Store<br>4402 Al Cory Dr.                        | LUST, SHWS,<br>UST, AK      | None Likely – See Section 3.1.2; downgradient        |
| 0.063 mile west                                                      | Financial<br>Assurance 1    |                                                      |
| Eielson USAF Base<br>RR R/W – MP 20.3                                | FUDS, SHWS,<br>INST CONTROL | Confirmed impact to the Property – See Section 3.1.2 |
| 0.575 mile southeast                                                 |                             |                                                      |

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.

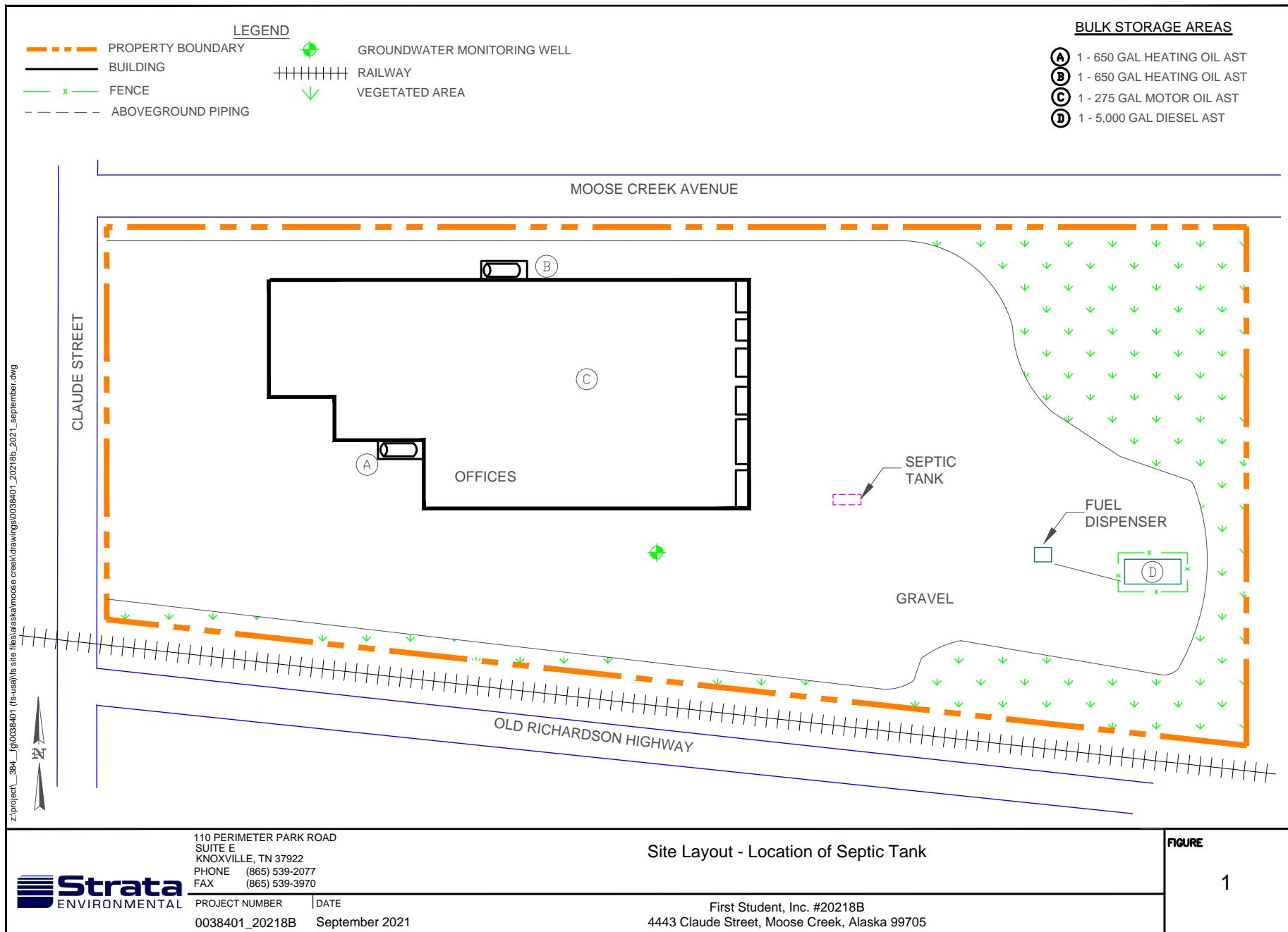


---

## APPENDIX A FIGURES

---







---

**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



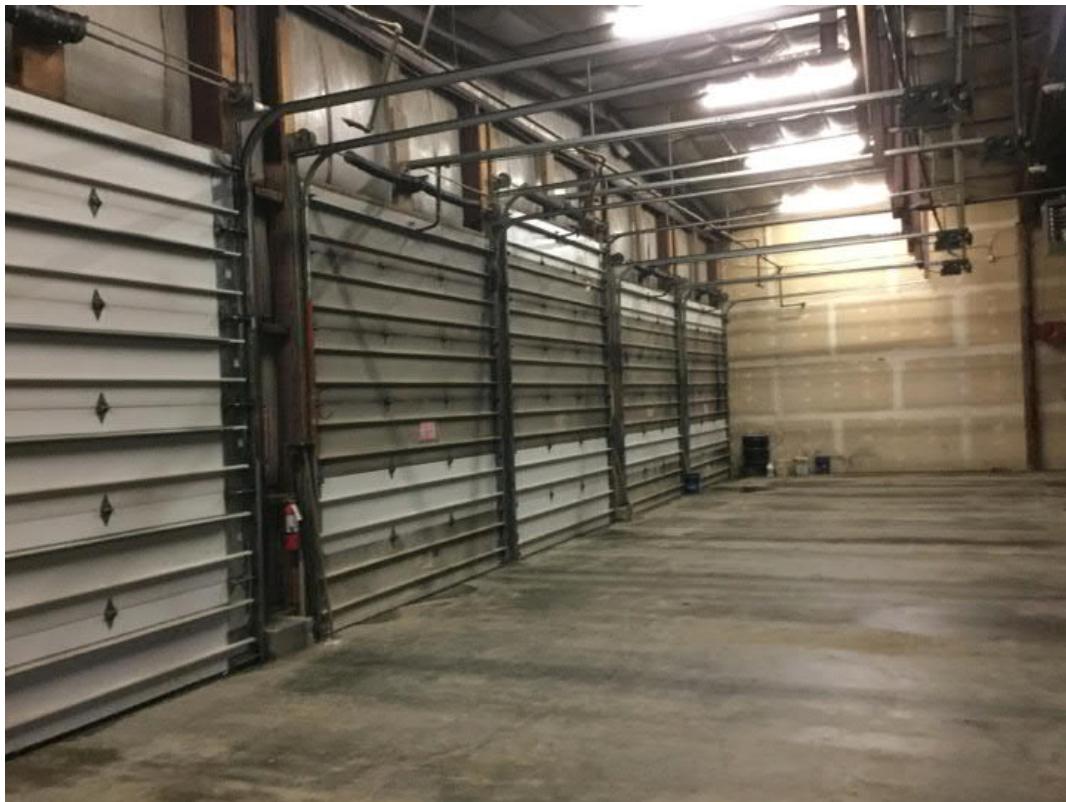
Photograph 6: Wash sink adjacent to office area and near fire water tanks



Photograph 7: Office area near main lobby at entrance



Photograph 8: Office on building west side



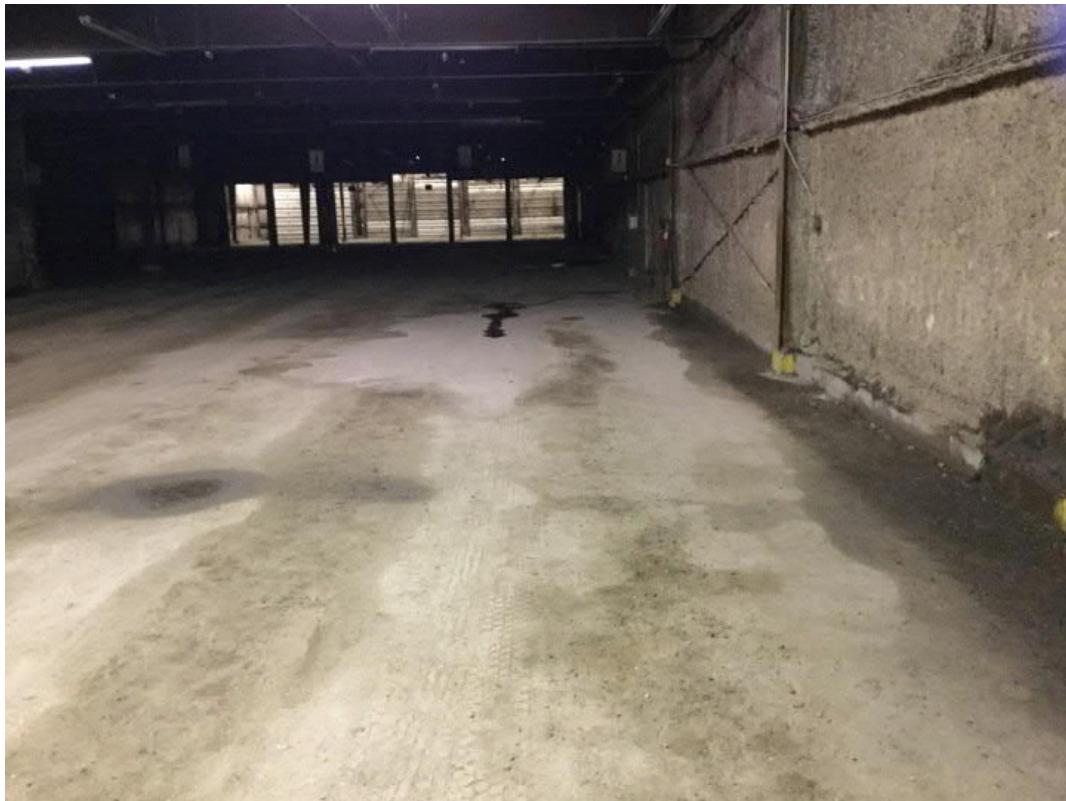
Photograph 9: Shop doors/bays/entrance east side



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](http://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**



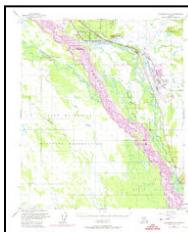
Fairbanks C-1 NE  
1992  
7.5-minute, 25000  
Aerial Photo Revised 1985

### **1975 Source Sheets**



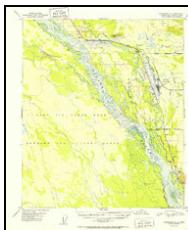
Fairbanks C-1  
1975  
15-minute, 63360  
Aerial Photo Revised 1975

### **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**

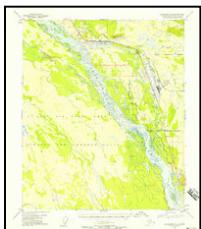
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1950 Source Sheets**

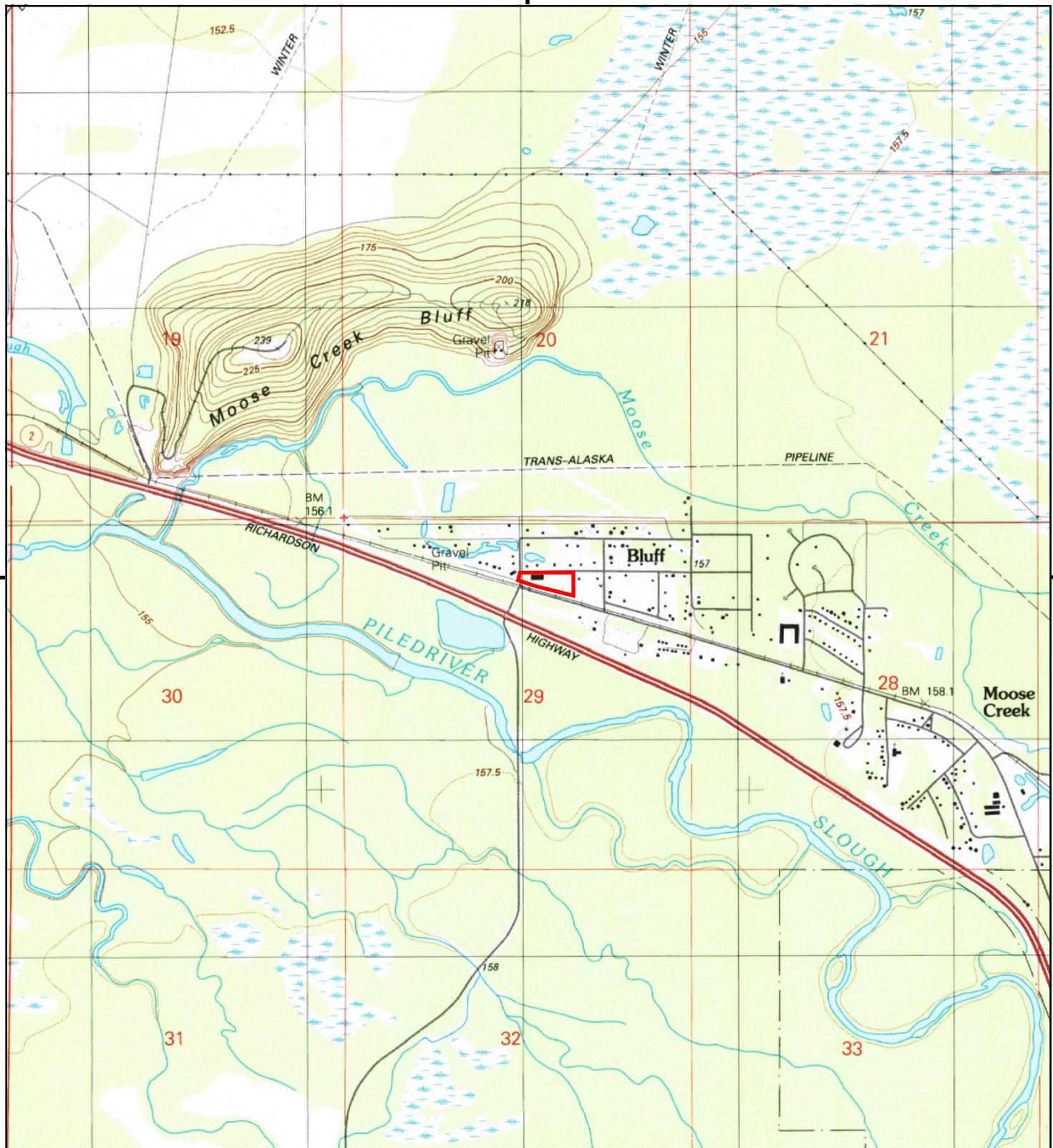


Fairbanks C-1  
1950  
15-minute, 63360  
Aerial Photo Revised 1949

### **1949 Source Sheets**

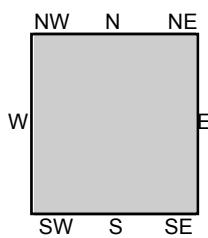


Fairbanks C-1  
1949  
15-minute, 63360  
Aerial Photo Revised 1949



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

0 Miles 0.25 0.5 1 1.5



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

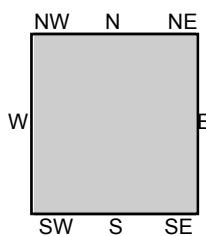
SITE NAME: First Student  
 ADDRESS: 4443 Claude Street  
 North Pole, AK 99705  
 CLIENT: STRATA Environmental Serv Inc.





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

0 Miles 0.25 0.5 1 1.5



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

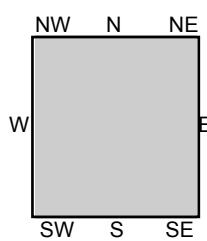
SITE NAME: First Student  
ADDRESS: 4443 Claude Street  
North Pole, AK 99705  
CLIENT: STRATA Environmental Serv Inc.





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

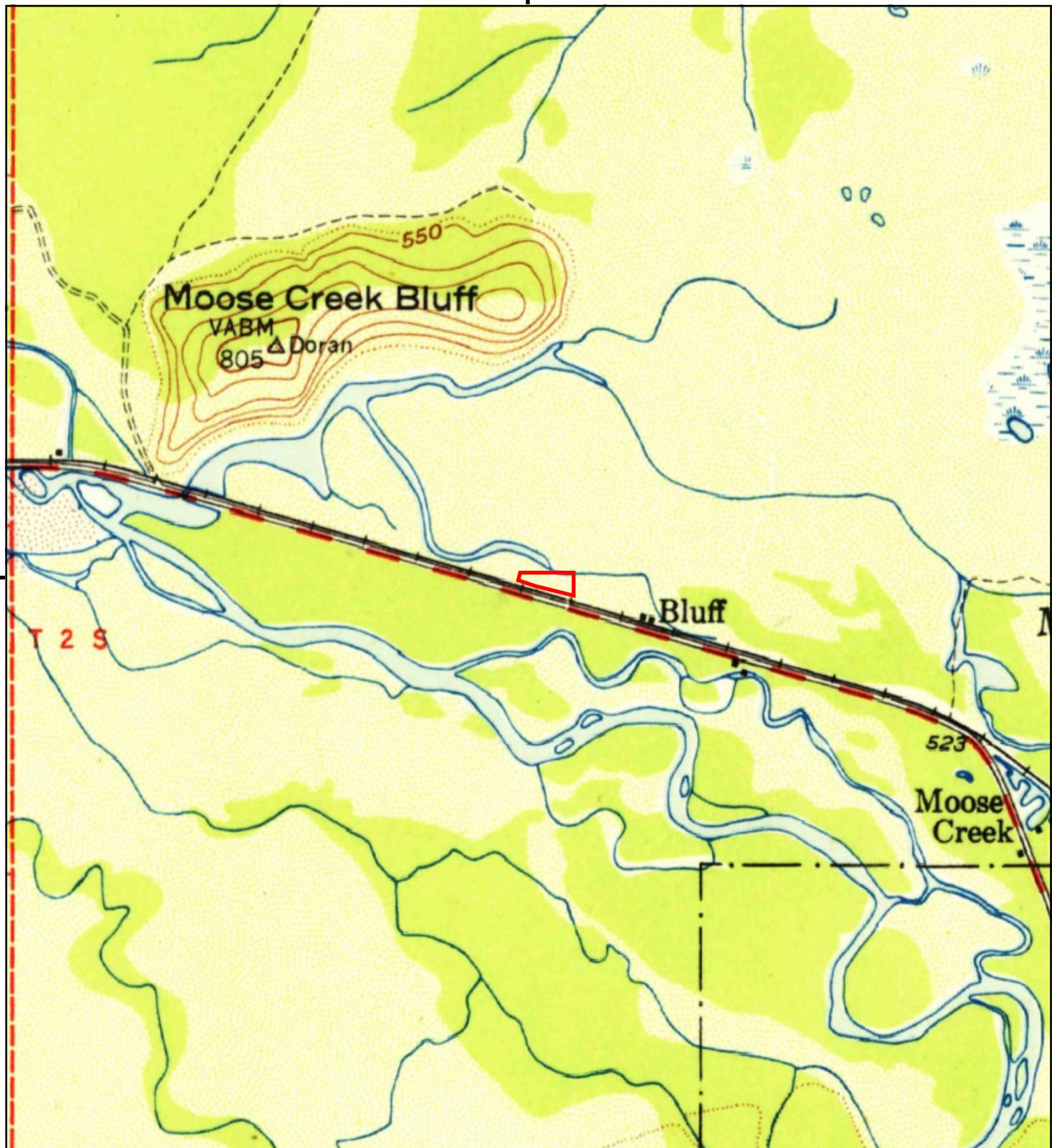
0 Miles 0.25 0.5 1 1.5



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

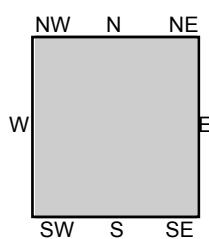
SITE NAME: First Student  
ADDRESS: 4443 Claude Street  
North Pole, AK 99705  
CLIENT: STRATA Environmental Serv Inc.





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

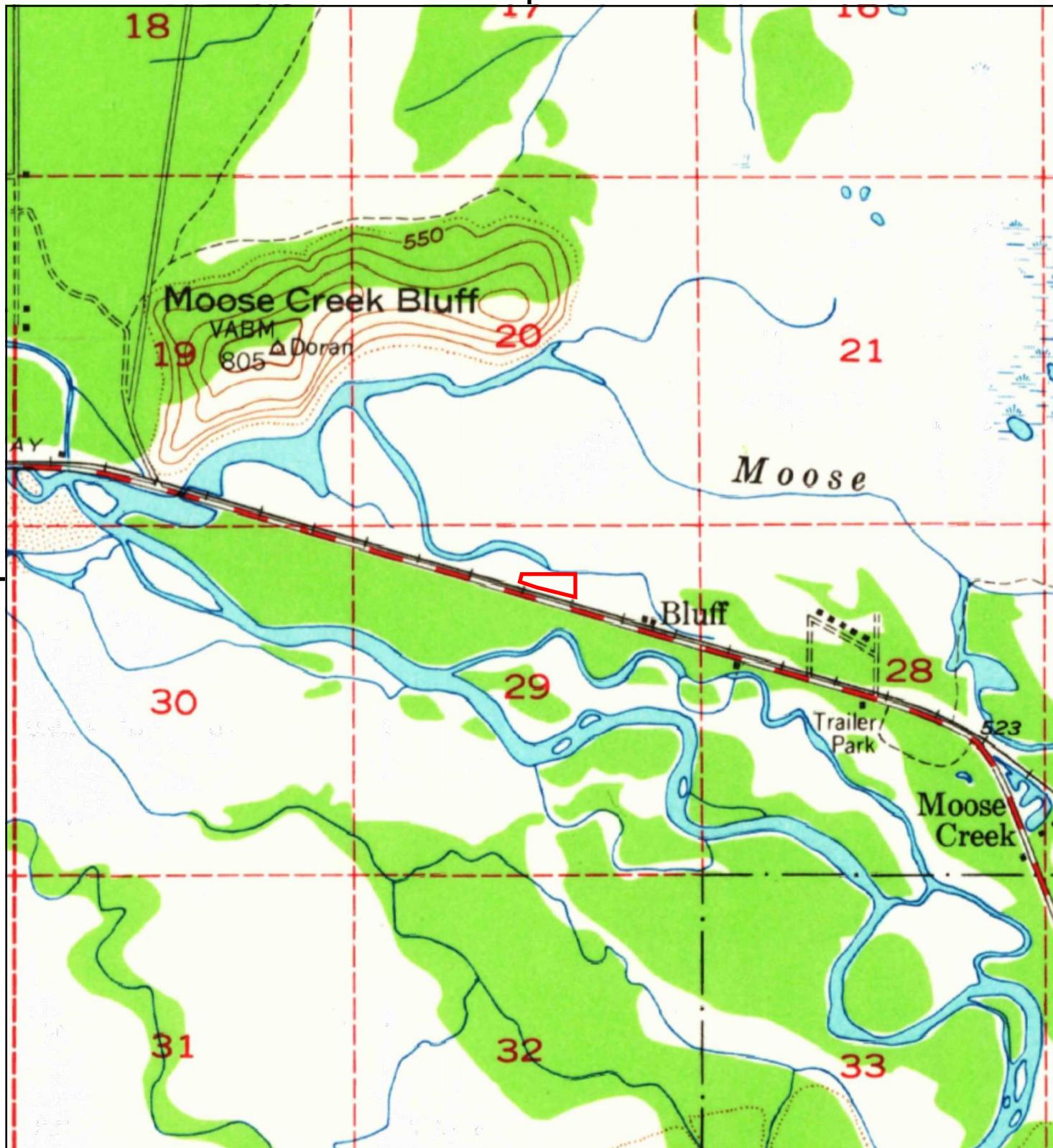
0 Miles 0.25 0.5 1 1.5



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

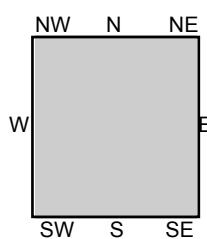
SITE NAME: First Student  
ADDRESS: 4443 Claude Street  
North Pole, AK 99705  
CLIENT: STRATA Environmental Serv Inc.





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

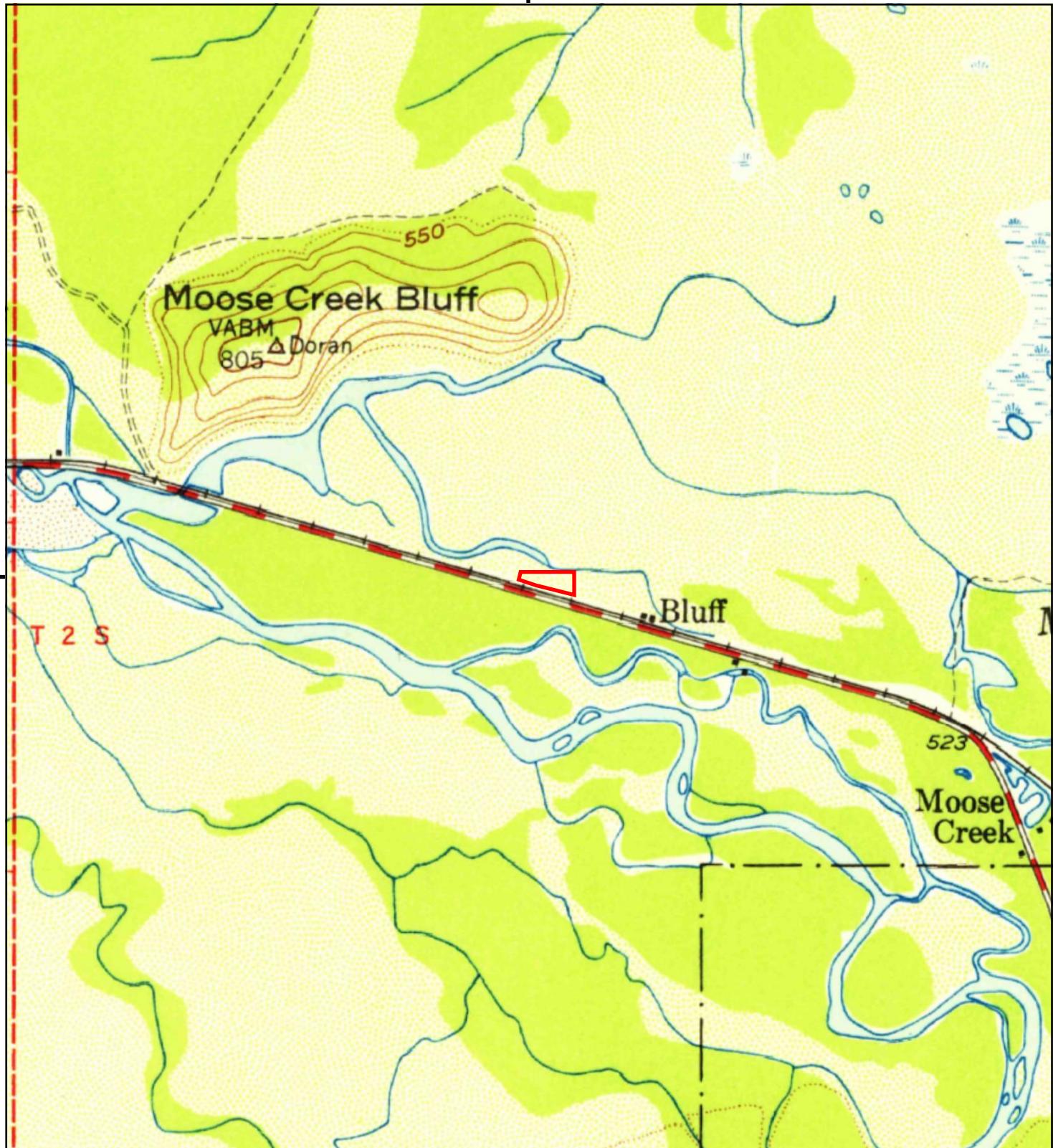
0 Miles 0.25 0.5 1 1.5



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

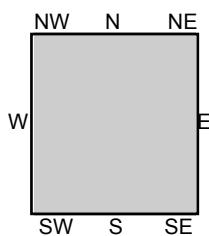
SITE NAME: First Student  
ADDRESS: 4443 Claude Street  
North Pole, AK 99705  
CLIENT: STRATA Environmental Serv Inc.





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

0 Miles 0.25 0.5 1 1.5



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](http://www.edrnet.com)

**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.



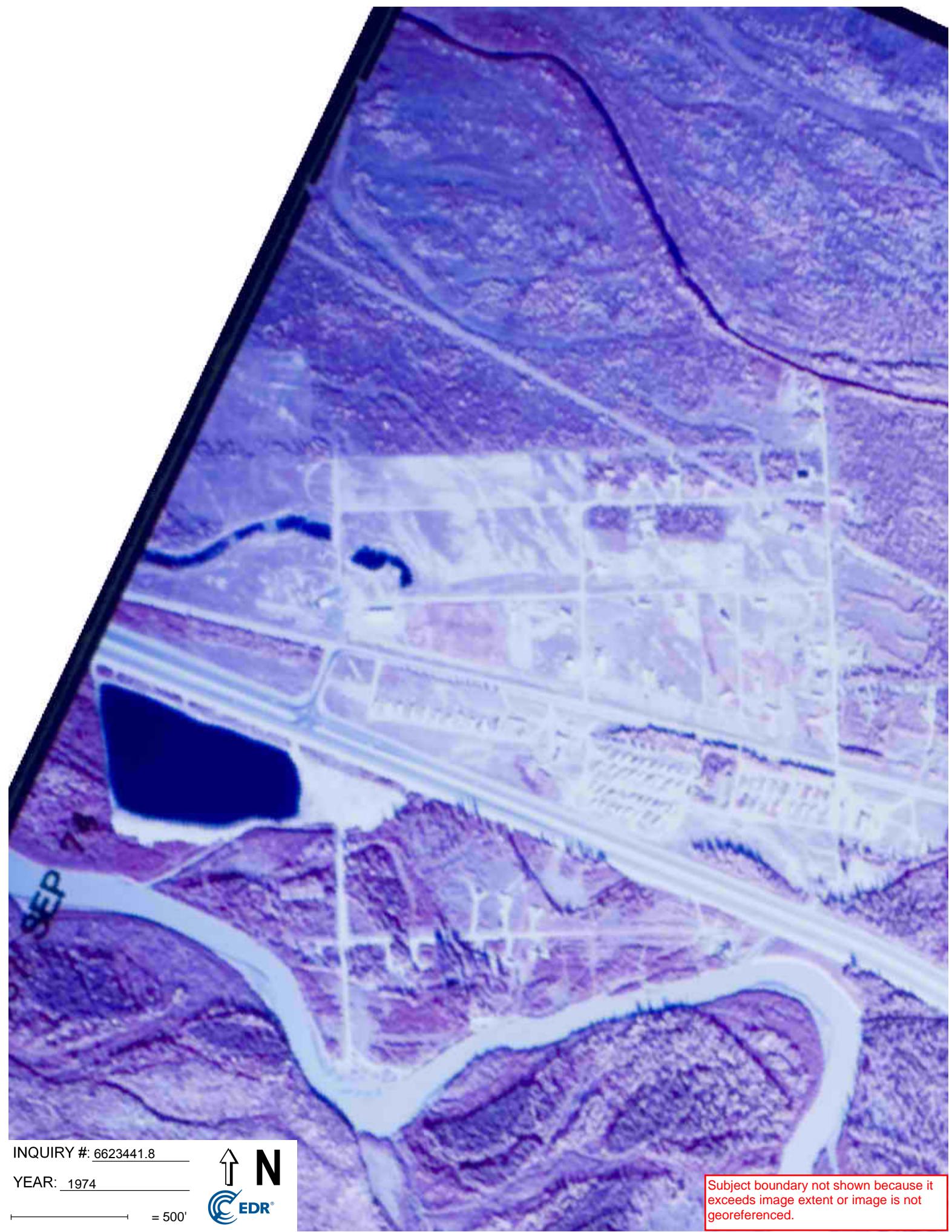
INQUIRY #: 6623441.8

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](http://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](http://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



Sanborn® Library search results

Certification #: F9F0-42EA-BEC7

**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.

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.

Data by



Copyright©2008  
All Rights Reserved

### 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

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

#### 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 |
| 1995 | pg A14 | EDR Digital Archive |
| 1992 | pg A16 | EDR Digital Archive |
| 1987 | -      | POLK DIRECTORY CO   |
| 1982 | -      | POLK DIRECTORY CO   |
| 1977 | -      | POLK DIRECTORY CO   |
| 1973 | -      | POLK DIRECTORY CO   |
| 1968 | -      | POLK DIRECTORY CO   |
| 1964 | -      | POLK DIRECTORY CO   |

## 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 THERRIAULT, 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  
SESSI, 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 THERRIAULT, 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 UNKNOWN

**OLD RICHARDSON HWY 1995**

829 CLUB TOKYO  
905 OCCUPANT UNKNOWNNN  
933 OCCUPANT UNKNOWNNN  
935 MITCHELL, LORI A  
945 OLSON, DAVID L  
947 OLSON LUMBER & LOG  
963 OCCUPANT UNKNOWNNN  
1237 OCCUPANT UNKNOWNNN  
1262 KARL, BERNIE  
1289 OCCUPANT UNKNOWNNN  
1361 ACQUARA, ESTHER  
1396 OCCUPANT UNKNOWNNN  
1398 SAUNDERS, PETER  
2285 TADPOLE AUTO  
2415 MINTON, F  
2431 OCCUPANT UNKNOWNNN  
2439 NORTH POLE BODY & PAINT  
2469 OCCUPANT UNKNOWNNN  
2473 HECTORS WELDING INC  
THERRIAULT, HECTOR  
2525 AIR CENTER  
2700 MCCORMICK, RICHARD L  
2859 SANDBO, RUSSELL  
3135 HELEAN, M B  
3427 OCCUPANT UNKNOWNNN  
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 THERRIAULT, 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 451-7000157 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 456-4733Bar-B-Q-Pit Stop restr  
451-8960751 Teamsters Union Local Nine  
Fifty Nine 452-8221Alaska Teamsters Federal  
Credit Union 456-6658Fairbanks Athletic Club  
452-68012-5mi Williams Russell H ☎  
452-2503751 Teamsters Pharmacy 452-1705  
Alaska Teamsters Employer  
Service Corp 452-82212½ 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 1/2 Syverson Robt W © 488-9031  
7 1/2 mi Jackson James D ©  
    488-2310

Northern Lights Freewill  
    Baptist Mission

1124 Lash Paul A © 488-6956  
7 1/2 mi Jenkins Norman R 488-2184  
7 1/2 mi Gieck Robt © 488-6455  
7 1/2 mi Hill Blain E 488-6898  
    Mc Fadden James C ©  
    488-6695

1237 Ambuehl Alaskan Crafts  
    gifts  
    Ambuehl Donald R ©

1262 Gehrke Curtis  
8 1/2 mi 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  
6 1/2 mi Krause Shirley 488-6851  
1031 El Rancho Motel 488-2278

Sweet Mike 488-2278

6 1/2 mi A B C Block & Precast  
    bldg matls 488-6334  
    Mark Michl R 488-6334

907 Circle M bar & lounge  
    488-9956

6 1/2 Massingill Owen R ©  
    488-6928

6 1/2 mi Ginn Carl W © 488-6609

6 1/2 mi Olson Lumber & Log Mill  
    488-6465  
    Lowell Donald E 488-2879  
    Simpkin Richd © 488-2185

Great Land Health Food  
7 1/2 mi Williams Stanley H ©  
    488-3846

7 1/2 mi Moneymaker Paul Danl ©  
    488-9797

OLD STEESE HWY —FROM  
CHENA RIVER NORTHEAST

ZIP CODE 99701

155 Under Constr  
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 &amp; Lace 456-3322

330 Baker & Baker Booksellers  
    456-2278

332 Baker &amp; Baker

338 A Moveable Feast 456-4701

6

## 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  
 ★Karlon 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  
 6½ mi 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 ½ mi★Ahseln Wm 488-2762  
 6½ mi Stubbs Ronald J ◎  
 488-2365  
 6½★Massingill Owen R 488-6928  
 6 ½ mi 2\* ★Ginn Carl  
 488-6609  
 6½ mi 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 ½ mi Moneymaker Danl Paul 488-9797  
 7½ mi Hendrickson Joe W © 488-6265  
 7 ½ mi★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  
 7½ mi Bodenstadt Gary © 488-2483  
 7 ½ mi Jackson James D © 488-2310  
     Northern Lights Freewill  
     Baptist Mission  
 7½ mi Elsbergs David 488-3398  
     Lash Paul A © 488-6956  
 7½ mi Hofland Donald © 488-3350  
 7 ½ mi Hofland Arnold 488-9881  
 7½ mi Whittle Ora L 488-6467  
     Jenkins Norman B 488-2184  
     Clark John 488-3872  
     Gieck Robt 488-6455  
 7½ mi 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  
 7½ mi 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  
     ★Scrubba Donald  
     Culbertson Mark E 488-2588  
     ★Sanka Paul  
 8½ mi 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**

---

**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](http://www.edrnet.com)

## TABLE OF CONTENTS

| <u>SECTION</u>                                            | <u>PAGE</u> |
|-----------------------------------------------------------|-------------|
| <b>Executive Summary</b>                                  | <b>ES1</b>  |
| <b>Overview Map</b>                                       | <b>2</b>    |
| <b>Detail Map</b>                                         | <b>3</b>    |
| <b>Map Findings Summary</b>                               | <b>4</b>    |
| <b>Map Findings</b>                                       | <b>8</b>    |
| <b>Orphan Summary</b>                                     | <b>49</b>   |
| <b>Government Records Searched/Data Currency Tracking</b> | <b>GR-1</b> |

### **GEOCHECK ADDENDUM**

|                                                 |               |
|-------------------------------------------------|---------------|
| <b>Physical Setting Source Addendum</b>         | <b>A-1</b>    |
| <b>Physical Setting Source Summary</b>          | <b>A-2</b>    |
| <b>Physical Setting SSURGO Soil Map</b>         | <b>A-5</b>    |
| <b>Physical Setting Source Map</b>              | <b>A-12</b>   |
| <b>Physical Setting Source Map Findings</b>     | <b>A-14</b>   |
| <b>Physical Setting Source Records Searched</b> | <b>PSGR-1</b> |

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

## 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<br>Facility Status: Cleanup Complete<br>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> |
|------------------------------------------------------------------------------------|-----------------------------|--------------------------------|---------------|-------------|
| <b>MAT-SU (AKA MOOSE CR</b><br>eventid: 24196<br>Facility Status: Cleanup Complete | <b>343 MOOSE CREEK AVEN</b> | <b>ENE 0 - 1/8 (0.008 mi.)</b> | <b>1</b>      | <b>8</b>    |
| MOOSE CREEK BUS BARN<br>eventid: 24973<br>Facility Status: Cleanup Complete        | 4440 MOOSE CREEK AVE        | NE 0 - 1/8 (0.020 mi.)         | A2            | 10          |
| MOOSE CREEK GENERAL<br>eventid: 24244<br>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> |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|---------------|-------------|
| <b>MOOSE CREEK GENERAL</b><br>Facility Id: 2199<br>Tank Status: Permanently Out of Use<br>Tank Status: Currently in Use | <b>3349 CLAUDE ST</b> | <b>WNW 0 - 1/8 (0.025 mi.)</b> | <b>B4</b>     | <b>12</b>   |

## 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.

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

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.

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

### ***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.

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

## 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.

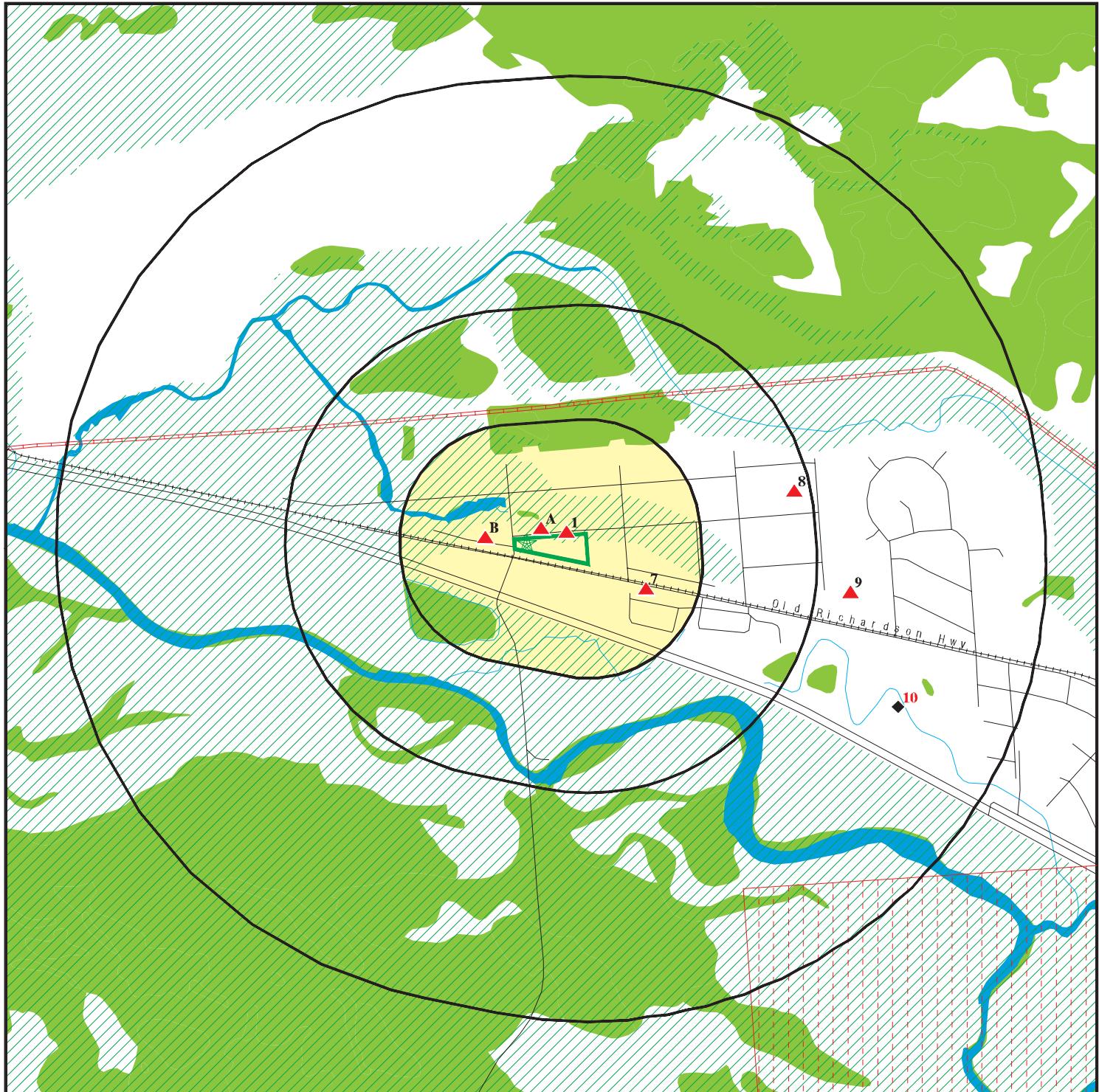
A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

| <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

0 1/4 1/2 1 Miles

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

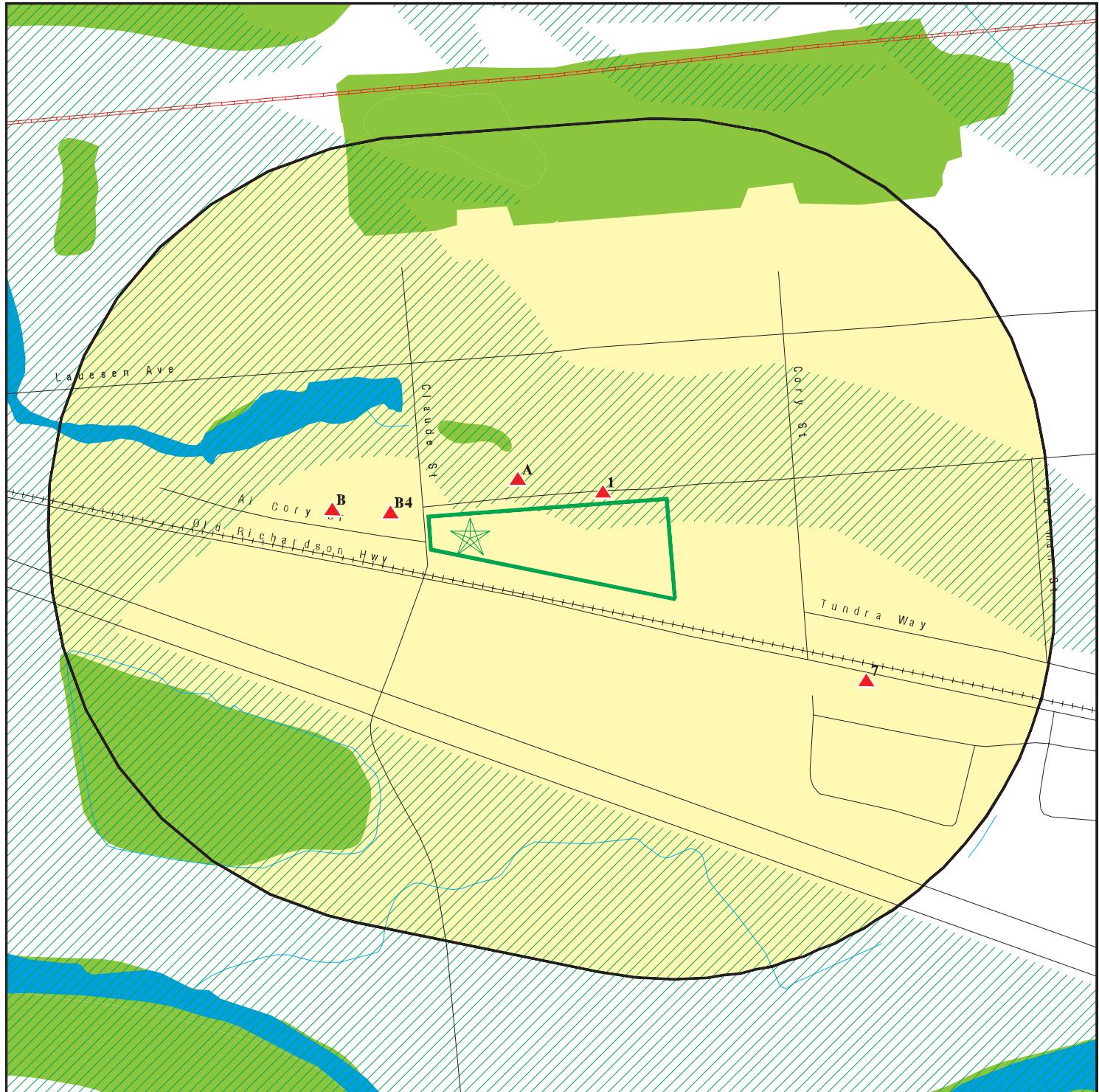


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

**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

0 1/16 1/8 1/4 Miles

- 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 |
|--------------------------------------------------------------------------------|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| <b><u>STANDARD ENVIRONMENTAL RECORDS</u></b>                                   |                         |                 |       |           |           |         |     |               |
| <b><i>Federal NPL site list</i></b>                                            |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>Federal Delisted NPL site list</i></b>                                   |                         |                 |       |           |           |         |     |               |
| Delisted NPL                                                                   | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal CERCLIS list</i></b>                                             |                         |                 |       |           |           |         |     |               |
| FEDERAL FACILITY                                                               | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| SEMS                                                                           | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>Federal CERCLIS NFRAP site list</i></b>                                  |                         |                 |       |           |           |         |     |               |
| SEMS-ARCHIVE                                                                   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>Federal RCRA CORRACTS facilities list</i></b>                            |                         |                 |       |           |           |         |     |               |
| CORRACTS                                                                       | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| <b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>                    |                         |                 |       |           |           |         |     |               |
| RCRA-TSDF                                                                      | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>Federal RCRA generators list</i></b>                                     |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>Federal institutional controls / engineering controls registries</i></b> |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>Federal ERNS list</i></b>                                                |                         |                 |       |           |           |         |     |               |
| ERNS                                                                           | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| <b><i>State- and tribal - equivalent CERCLIS</i></b>                           |                         |                 |       |           |           |         |     |               |
| SHWS                                                                           | 1.000                   |                 | 3     | 1         | 1         | 1       | NR  | 6             |
| <b><i>State and tribal landfill and/or solid waste disposal site lists</i></b> |                         |                 |       |           |           |         |     |               |
| SWF/LF                                                                         | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>State and tribal leaking storage tank lists</i></b>                      |                         |                 |       |           |           |         |     |               |
| LUST                                                                           | 0.500                   |                 | 3     | 0         | 0         | NR      | NR  | 3             |
| INDIAN LUST                                                                    | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>State and tribal registered storage tank lists</i></b>                   |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>State and tribal institutional control / engineering control registries</i></b> |                         |                 |       |           |           |         |     |               |
| ENG CONTROLS                                                                          | 0.500                   |                 | 0     | 1         | 0         | NR      | NR  | 1             |
| INST CONTROL                                                                          | 0.500                   |                 | 0     | 1         | 1         | NR      | NR  | 2             |
| <b><i>State and tribal voluntary cleanup sites</i></b>                                |                         |                 |       |           |           |         |     |               |
| VCP                                                                                   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| INDIAN VCP                                                                            | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>State and tribal Brownfields sites</i></b>                                      |                         |                 |       |           |           |         |     |               |
| BROWNFIELDS                                                                           | 0.500                   |                 | 0     | 1         | 0         | NR      | NR  | 1             |
| <b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>                                        |                         |                 |       |           |           |         |     |               |
| <b><i>Local Brownfield lists</i></b>                                                  |                         |                 |       |           |           |         |     |               |
| US BROWNFIELDS                                                                        | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>                    |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>                     |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>Local Land Records</i></b>                                                      |                         |                 |       |           |           |         |     |               |
| LIENS 2                                                                               | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| <b><i>Records of Emergency Release Reports</i></b>                                    |                         |                 |       |           |           |         |     |               |
| 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             |
| <b><i>Other Ascertainable Records</i></b>                                             |                         |                 |       |           |           |         |     |               |
| 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

| Database    | Search<br>Distance<br>(Miles) | Target<br>Property | <u>&lt; 1/8</u> | <u>1/8 - 1/4</u> | <u>1/4 - 1/2</u> | <u>1/2 - 1</u> | <u>&gt; 1</u> | <u>Total<br/>Plotted</u> |
|-------------|-------------------------------|--------------------|-----------------|------------------|------------------|----------------|---------------|--------------------------|
| RGA LUST    | 0.001                         |                    | 0               | NR               | NR               | NR             | NR            | 0                        |
| - Totals -- |                               |                    | 0               | 7                | 4                | 2              | 3             | 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 EIELSON AIR FORCE BASE  
Region  
SSE EIELSON AIR FORCE BASE (County), AK  
1/2-1  
4151 ft.

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 MAT-SU (AKA MOOSE CREEK BUS BARN)  
ENE 343 MOOSE CREEK AVENUE 343 OLD RICHARDSON HWY  
< 1/8 FAIRBANKS, AK 99701  
0.008 mi.  
41 ft.

SHWS S109256055  
LUST N/A

Relative: SHWS:  
Higher Name: MAT-SU (AKA MOOSE CREEK BUS BARN)  
Actual: Address: 343 MOOSE CREEK AVENUE 343 OLD RICHARDSON HWY  
515 ft. 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** MOOSE CREEK BUS BARN  
**NE** 4440 MOOSE CREEK AVE  
**< 1/8** NORTH POLE, AK 99705  
**0.020 mi.**  
**108 ft.**

**LUST** **S106802119**  
N/A

**Site 1 of 2 in cluster A**

**Relative:** LUST:  
**Higher** Name: MOOSE CREEK BUS BARN  
**Actual:** Address: 4440 MOOSE CREEK AVE  
**515 ft.** 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** MOOSE CREEK BUS BARN  
**NE** 4440 MOOSE CREEK AVE  
**< 1/8** NORTH POLE, AK 99705  
**0.020 mi.**  
**108 ft.**

**SHWS** **S109256758**  
N/A

**Site 2 of 2 in cluster A**

**Relative:** SHWS:  
**Higher** Name: MOOSE CREEK BUS BARN  
**Actual:** Address: 4440 MOOSE CREEK AVE  
**515 ft.** 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 FINDINGS

|           |      |             |                                |
|-----------|------|-------------|--------------------------------|
| Map ID    |      |             |                                |
| Direction |      |             |                                |
| Distance  |      |             |                                |
| Elevation | Site | Database(s) | EDR ID Number<br>EPA ID Number |

|                  |                                  |                               |            |
|------------------|----------------------------------|-------------------------------|------------|
| B4               | <b>MOOSE CREEK GENERAL STORE</b> | UST                           | U003090376 |
| WNW              | 3349 CLAUDE ST                   | Financial Assurance           | N/A        |
| < 1/8            | NORTH POLE, AK 99705             |                               |            |
| 0.025 mi.        |                                  |                               |            |
| 133 ft.          | Site 1 of 3 in cluster B         |                               |            |
| <b>Relative:</b> | UST:                             |                               |            |
| <b>Higher</b>    | Name:                            | MOOSE CREEK GENERAL STORE     |            |
| <b>Actual:</b>   | Address:                         | 3349 CLAUDE ST                |            |
| <b>515 ft.</b>   | 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                             |            |
|                  | <b>Tank Status:</b>              | <b>Permanently Out of Use</b> |            |
|                  | Tank Capacity:                   | 4000                          |            |
|                  | Tank Product:                    | Gasoline                      |            |
|                  | Installed Date:                  | 09/19/1972                    |            |
|                  | Regulated Tank:                  | Yes                           |            |
|                  | Tank ID:                         | 2                             |            |
|                  | <b>Tank Status:</b>              | <b>Permanently Out of Use</b> |            |
|                  | Tank Capacity:                   | 4000                          |            |
|                  | Tank Product:                    | Gasoline                      |            |
|                  | Installed Date:                  | 09/19/1972                    |            |
|                  | Regulated Tank:                  | Yes                           |            |
|                  | Tank ID:                         | 3                             |            |
|                  | <b>Tank Status:</b>              | <b>Permanently Out of Use</b> |            |
|                  | Tank Capacity:                   | 2000                          |            |
|                  | Tank Product:                    | Diesel                        |            |
|                  | Installed Date:                  | 09/19/1972                    |            |
|                  | Regulated Tank:                  | Yes                           |            |
|                  | Tank ID:                         | 4                             |            |
|                  | <b>Tank Status:</b>              | <b>Permanently Out of Use</b> |            |
|                  | Tank Capacity:                   | 2000                          |            |
|                  | Tank Product:                    | Diesel                        |            |
|                  | Installed Date:                  | 09/19/1972                    |            |
|                  | Regulated Tank:                  | Yes                           |            |
|                  | Tank ID:                         | 5                             |            |
|                  | <b>Tank Status:</b>              | <b>Permanently Out of Use</b> |            |
|                  | Tank 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  
**Tank 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** MOOSE CREEK GENERAL STORE  
**West** 4402 AL CORY DRIVE  
**< 1/8** NORTH POLE, AK 99705  
**0.063 mi.**  
**335 ft.** Site 2 of 3 in cluster B

**LUST** S106672803  
N/A

**Relative:** LUST:  
**Higher** Name: MOOSE CREEK GENERAL STORE  
**Actual:** Address: 4402 AL CORY DRIVE  
**515 ft.** 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

|                  |                                  |                                                                                                                                                                                                                                                                                                                                                  |                   |
|------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>B6</b>        | <b>MOOSE CREEK GENERAL STORE</b> | <b>SHWS</b>                                                                                                                                                                                                                                                                                                                                      | <b>S109255203</b> |
| West             | 4402 AL CORY DRIVE               |                                                                                                                                                                                                                                                                                                                                                  | N/A               |
| < 1/8            | NORTH POLE, AK 99705             |                                                                                                                                                                                                                                                                                                                                                  |                   |
| 0.063 mi.        |                                  |                                                                                                                                                                                                                                                                                                                                                  |                   |
| 335 ft.          | Site 3 of 3 in cluster B         |                                                                                                                                                                                                                                                                                                                                                  |                   |
| <b>Relative:</b> | SHWS:                            |                                                                                                                                                                                                                                                                                                                                                  |                   |
| <b>Higher</b>    | Name:                            | MOOSE CREEK GENERAL STORE                                                                                                                                                                                                                                                                                                                        |                   |
|                  | Address:                         | 4402 AL CORY DRIVE                                                                                                                                                                                                                                                                                                                               |                   |
| <b>Actual:</b>   | City,State,Zip:                  | NORTH POLE, AK 99705                                                                                                                                                                                                                                                                                                                             |                   |
| <b>515 ft.</b>   | 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.<br>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)                                                                                                    |                   |
|                  | <b>Actions:</b>                  |                                                                                                                                                                                                                                                                                                                                                  |                   |
|                  | 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    | Site | MAP FINDINGS | EDR ID Number |
|-----------|------|--------------|---------------|
| Direction |      |              | EPA ID Number |
| Distance  |      |              |               |
| Elevation |      |              |               |

**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 Wiegers                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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 Wiegers                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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 Wiegers                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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    | MAP FINDINGS |             | EDR ID Number |
|-----------|--------------|-------------|---------------|
| Direction | Site         | Database(s) | EPA ID Number |

**MOOSE CREEK GENERAL STORE (Continued) S109255203**

form.

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Action Date:        | 6/10/2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Action:             | Update or Other Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DEC Staff:          | Janice Wiegers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 Wiegers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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    | Site | MAP FINDINGS | Database(s) | EDR ID Number |
|-----------|------|--------------|-------------|---------------|
| Direction |      |              |             | EPA ID Number |
| Distance  |      |              |             |               |
| Elevation |      |              |             |               |

**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 Wiegers  
 Action Description: Amundson Environmental called DEC to discuss possible sampling plan.

Action Date: 3/15/2016  
 Action: Update or Other Action  
 DEC Staff: Janice Wiegers  
 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 Wiegers  
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 Wiegers  
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 Wiegers                                                                                                                                                                                                                                                                                                                                                                   |
| 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 Wiegers                                                                                                                                                                                                                                                                                                                                                                   |
| 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 Wiegers                                                                                                                                                                                                                                                                                                                                                                   |
| 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 SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO  
ESE TL-2902  
1/8-1/4 NORTH POLE, AK 99705  
0.137 mi.  
724 ft.

**Relative:** SHWS: SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO  
**Higher** Name: TL-2902  
**Actual:** Address: NORTH POLE, AK 99705  
**518 ft.** City,State,Zip: 100.26.157  
File Number: IC Unit, 9074655229 , dec.icunit@alaska.gov  
Staff: Cleanup Complete - Institutional Controls  
Facility Status: 64.715044  
Latitude: -147.181984  
Longitude: 24962  
Hazard ID: Former gas/service station in Moose Creek with history of releases  
Problem: 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-ft<sup>2</sup>, yielding up to 1,000 yd<sup>3</sup>. 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 unobtrusiveness; 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    | Site | MAP FINDINGS | Database(s) | EDR ID Number |
|-----------|------|--------------|-------------|---------------|
| Direction |      |              |             | EPA ID Number |
| Distance  |      |              |             |               |

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |
|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>SANI-KLEAN SERVICE STATION, FORMER SKS TEXACO (Continued)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>S109568198</b> |
| 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 Wiegers - 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

EDR ID Number  
EPA ID Number  
Database(s)

**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 Wiegers - 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 Wiegers - 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 DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK  
ENE MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK  
1/4-1/2 FAIRBANKS, AK 99701  
0.464 mi.  
2452 ft.

SHWS S108236960  
INST CONTROL N/A

Relative: SHWS:  
Higher Name: DESC MP 20.3 EIELSON PIPELINE RELEASE - MOOSE CREEK  
Actual: Address: MP 20.3 EIELSON PIPELINE MOOSE CREEK, MOOSE CREEK  
518 ft. 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

EDR ID Number  
EPA ID Number  
Database(s)

**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 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**

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. Biosparging 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 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:

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    | Site | MAP FINDINGS | Database(s) | EDR ID Number |
|-----------|------|--------------|-------------|---------------|
| Direction |      |              |             | EPA ID Number |
| Distance  |      |              |             |               |

**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 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

Site

MAP FINDINGS

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

Contaminant Name1: DESC MP 20.3 Eielson Pipeline Release - Moose Creek  
Contaminant Level Description1: Not reported  
Contaminant 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 EIELSON AFB RR R/W FUDS 1024901018**  
East N/A  
1/2-1 FAIRBANKS, AK  
0.575 mi.  
3038 ft.

**Relative:** FUDS:  
**Higher:** EPA Region: 10  
Installation ID: AK09799F704900  
Congressional District Number:  
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 disposed 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 | Site                                                                                                           | MAP FINDINGS                                                                                                                                                | Database(s) | EDR ID Number | EPA ID Number |
|-----------|---------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|---------------|
| 10        | ESE                 | 1/2-1    | 0.745 mi. | FNSB - NORTH STAR VOLUNTEER FIRE DEPT STATION 5<br>3477 OLD RICHARDSON HWY<br>NORTH POLE, AK 99705<br>3932 ft. |                                                                                                                                                             | SHWS        | S109256403    |               |
|           |                     |          |           |                                                                                                                |                                                                                                                                                             |             | N/A           |               |
| Relative: | SHWS:               |          |           |                                                                                                                |                                                                                                                                                             |             |               |               |
| Lower     | Name:               |          |           |                                                                                                                | FNSB - NORTH STAR VOLUNTEER FIRE DEPT STATION 5                                                                                                             |             |               |               |
| Actual:   | Address:            |          |           |                                                                                                                | 3477 OLD RICHARDSON HWY                                                                                                                                     |             |               |               |
| 507 ft.   | 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

| City           | EDR ID | Site Name | Site Address | Zip | Database(s) |
|----------------|--------|-----------|--------------|-----|-------------|
| 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           | EPA Region 6            |
| Telephone 617-918-1143 | Telephone: 214-655-6659 |

|                        |                         |
|------------------------|-------------------------|
| EPA Region 3           | EPA Region 7            |
| Telephone 215-814-5418 | Telephone: 913-551-7247 |

|                        |                         |
|------------------------|-------------------------|
| EPA Region 4           | EPA Region 8            |
| Telephone 404-562-8033 | Telephone: 303-312-6774 |

|                        |                         |
|------------------------|-------------------------|
| EPA Region 5           | EPA Region 9            |
| Telephone 312-886-6686 | 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

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 03/24/2021

Telephone: 202-267-2180

Date Made Active in Reports: 06/17/2021

Last EDR Contact: 06/17/2021

Number of Days to Update: 85

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

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

## **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

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 03/23/2021

Telephone: 907-269-7632

Date Made Active in Reports: 06/08/2021

Last EDR Contact: 06/15/2021

Number of Days to Update: 77

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

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 05/07/2021

Telephone: 907-465-5301

Date Made Active in Reports: 07/23/2021

Last EDR Contact: 08/09/2021

Number of Days to Update: 77

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

Source: EPA Region 4

Date Data Arrived at EDR: 12/18/2020

Telephone: 404-562-8677

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

# 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      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

## ***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      Source: EPA, Region 1  
Date Data Arrived at EDR: 09/29/2015      Telephone: 617-918-1102  
Date Made Active in Reports: 02/18/2016      Last EDR Contact: 06/15/2021  
Number of Days to Update: 142      Next Scheduled EDR Contact: 10/04/2021  
Data Release Frequency: No Update Planned

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng  
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008      Source: EPA, Region 7  
Date Data Arrived at EDR: 04/22/2008      Telephone: 913-551-7365  
Date Made Active in Reports: 05/19/2008      Last EDR Contact: 07/08/2021  
Number of Days to Update: 27      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      Source: Department of Environmental Conservation  
Date Data Arrived at EDR: 02/11/2021      Telephone: 907-451-2143  
Date Made Active in Reports: 05/05/2021      Last EDR Contact: 05/18/2021  
Number of Days to Update: 83      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      Source: Department of Environmental Conservation  
Date Data Arrived at EDR: 05/21/2020      Telephone: 907-451-2166  
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

## **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 1950a??s. 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  
Date Data Arrived at EDR: 04/11/2018  
Date Made Active in Reports: 11/06/2019  
Number of Days to Update: 574  
Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 07/09/2021  
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  
Date Data Arrived at EDR: 03/23/2021  
Date Made Active in Reports: 06/17/2021  
Number of Days to Update: 86  
Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 06/21/2021  
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  
Date Data Arrived at EDR: 06/17/2020  
Date Made Active in Reports: 09/10/2020  
Number of Days to Update: 85

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 06/17/2021  
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  
Date Data Arrived at EDR: 08/14/2020  
Date Made Active in Reports: 11/04/2020  
Number of Days to Update: 82

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/17/2021  
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  
Date Data Arrived at EDR: 04/20/2021  
Date Made Active in Reports: 07/16/2021  
Number of Days to Update: 87

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/19/2021  
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  
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: 703-416-0223  
Last EDR Contact: 08/04/2021  
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  
Date Data Arrived at EDR: 05/13/2021  
Date Made Active in Reports: 08/03/2021  
Number of Days to Update: 82  
Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 07/14/2021  
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  
Date Data Arrived at EDR: 11/23/2016  
Date Made Active in Reports: 02/10/2017  
Number of Days to Update: 79  
Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 06/29/2021  
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      Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Date Data Arrived at EDR: 04/16/2009      Telephone: 202-566-1667  
Date Made Active in Reports: 05/11/2009      Last EDR Contact: 08/18/2017  
Number of Days to Update: 25      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      Source: EPA  
Date Data Arrived at EDR: 04/16/2009      Telephone: 202-566-1667  
Date Made Active in Reports: 05/11/2009      Last EDR Contact: 08/18/2017  
Number of Days to Update: 25      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      Source: Nuclear Regulatory Commission  
Date Data Arrived at EDR: 03/11/2021      Telephone: 301-415-7169  
Date Made Active in Reports: 05/11/2021      Last EDR Contact: 07/14/2021  
Number of Days to Update: 61      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      Source: Department of Energy  
Date Data Arrived at EDR: 12/01/2020      Telephone: 202-586-8719  
Date Made Active in Reports: 02/09/2021      Last EDR Contact: 05/27/2021  
Number of Days to Update: 70      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      Source: Environmental Protection Agency  
Date Data Arrived at EDR: 03/05/2019      Telephone: N/A  
Date Made Active in Reports: 11/11/2019      Last EDR Contact: 05/27/2021  
Number of Days to Update: 251      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      Source: Environmental Protection Agency  
Date Data Arrived at EDR: 11/06/2019      Telephone: 202-566-0517  
Date Made Active in Reports: 02/10/2020      Last EDR Contact: 08/06/2021  
Number of Days to Update: 96      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  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 07/02/2021  
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  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 07/23/2021  
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  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/12/2021  
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  
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: 703-603-8787  
Last EDR Contact: 08/04/2021  
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  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
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      Source: USGS  
Date Data Arrived at EDR: 10/21/2019      Telephone: 703-648-6533  
Date Made Active in Reports: 10/24/2019      Last EDR Contact: 05/27/2021  
Number of Days to Update: 3      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      Source: EPA  
Date Data Arrived at EDR: 01/06/2015      Telephone: 202-564-2496  
Date Made Active in Reports: 05/06/2015      Last EDR Contact: 06/30/2021  
Number of Days to Update: 120      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      Source: EPA, Office of Water  
Date Data Arrived at EDR: 08/05/2011      Telephone: 202-564-2496  
Date Made Active in Reports: 09/29/2011      Last EDR Contact: 06/30/2021  
Number of Days to Update: 55      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      Source: EPA  
Date Data Arrived at EDR: 02/05/2015      Telephone: 202-564-2497  
Date Made Active in Reports: 03/06/2015      Last EDR Contact: 06/30/2021  
Number of Days to Update: 29      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      Source: EDR, Inc.  
Date Data Arrived at EDR: N/A      Telephone: N/A  
Date Made Active in Reports: N/A      Last EDR Contact: N/A  
Number of Days to Update: 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).

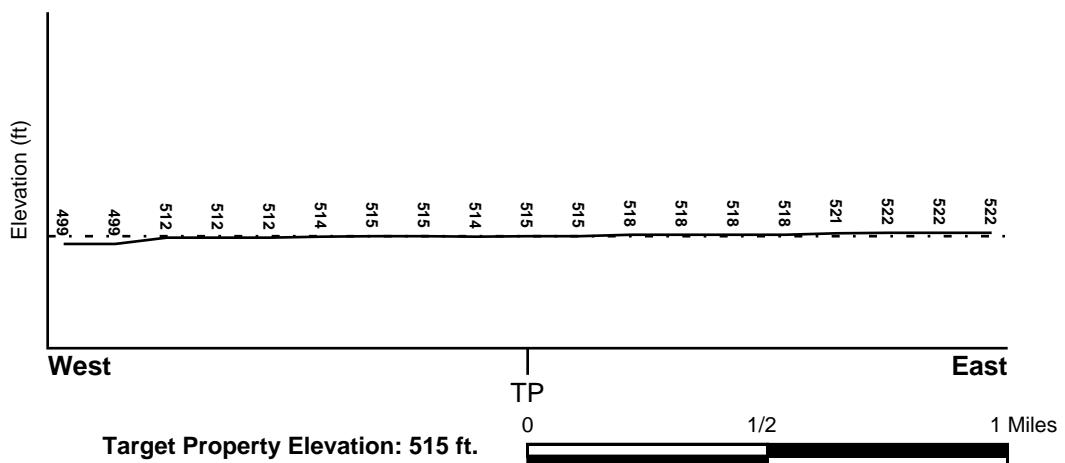
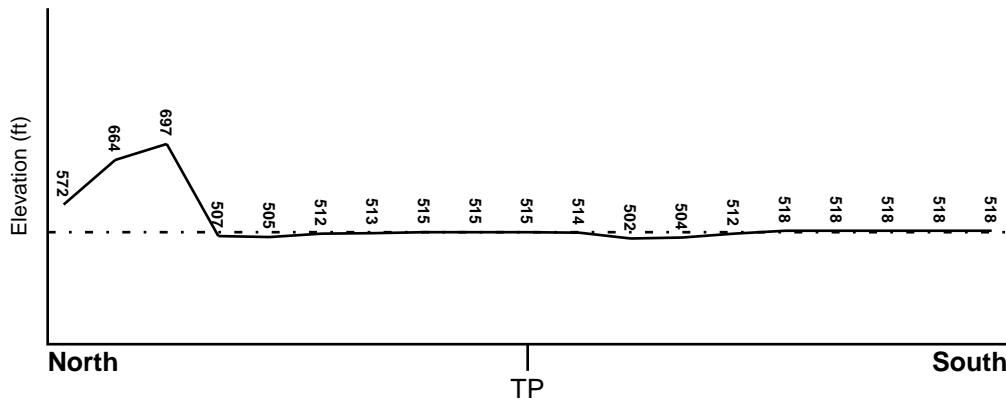
### TOPOGRAPHIC INFORMATION

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

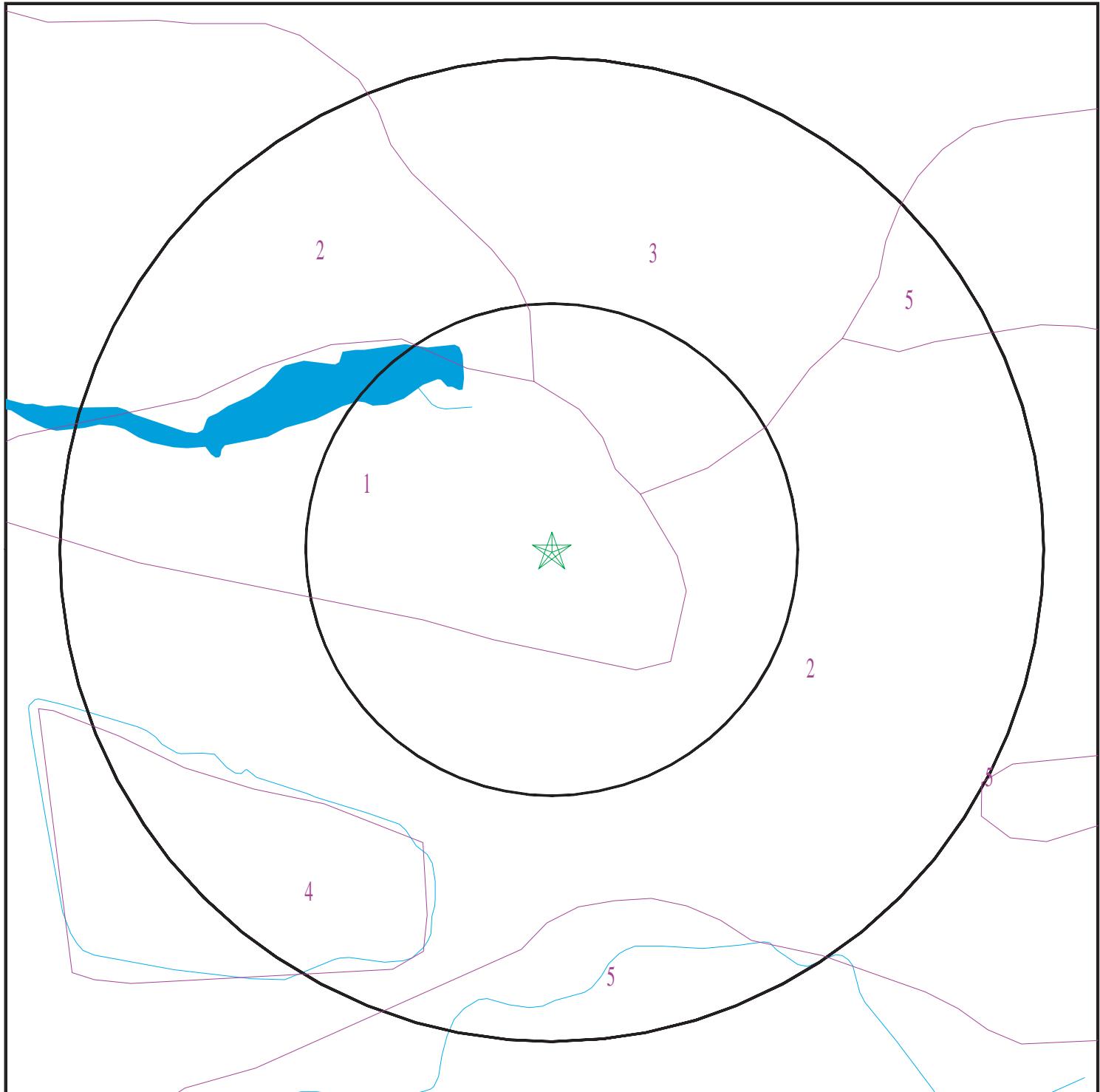
|         |                                                        |
|---------|--------------------------------------------------------|
| Era:    | -                                                      |
| System: | -                                                      |
| Series: | -                                                      |
| Code:   | N/A <i>(decoded above as Era, System &amp; Series)</i> |

#### 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

0 1/16 1/8 1/4 Miles



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 |          |           |                                    |                |                                                                                                                                         |                                              |                      |
|------------------------|----------|-----------|------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|
|                        | Boundary |           |                                    | Classification |                                                                                                                                         | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH)   |
| Layer                  | Upper    | Lower     | Soil Texture Class                 | AASHTO Group   | Unified Soil                                                                                                                            |                                              |                      |
| 1                      | 0 inches | 2 inches  | slightly decomposed plant material | A-8            | COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.<br>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. | Max: 141.14<br>Min: 42.34                    | Max: 7.3<br>Min: 6.1 |
| 2                      | 2 inches | 24 inches | very fine sandy loam               | A-8            | COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.<br>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. | Max: 141.14<br>Min: 42.34                    | Max: 7.3<br>Min: 6.1 |

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information |           |           |                                   |                |                                                                                                                                      |                           |                                              |                    |
|------------------------|-----------|-----------|-----------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|--------------------|
|                        | Boundary  |           |                                   | Classification |                                                                                                                                      |                           | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer                  | Upper     | Lower     | Soil Texture Class                | 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<br>Min: 42.34 | Max: 7.3<br>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<br>Min: 42.34 | Max: 7.3<br>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 |           |           |                                    |                |                                                                                                                             |                           |                                              |                    |
|------------------------|-----------|-----------|------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|--------------------|
|                        | Boundary  |           |                                    | Classification |                                                                                                                             |                           | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer                  | Upper     | Lower     | Soil Texture Class                 | AASHTO Group   | Unified Soil                                                                                                                |                           |                                              |                    |
| 1                      | 0 inches  | 2 inches  | slightly decomposed plant material | A-8            | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.<br>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141.14<br>Min: 42.34 | Max: 7.3<br>Min: 6.1                         |                    |
| 2                      | 2 inches  | 24 inches | very fine sandy loam               | A-8            | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.<br>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141.14<br>Min: 42.34 | Max: 7.3<br>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.<br>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141.14<br>Min: 42.34 | Max: 7.3<br>Min: 6.1                         |                    |
| 4                      | 44 inches | 72 inches | very gravelly sand                 | A-8            | COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.<br>COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141.14<br>Min: 42.34 | Max: 7.3<br>Min: 6.1                         |                    |

### Soil Map ID: 3

|                       |                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Soil Component Name:  | Eielsen                                                                                                                                  |
| 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 |           |           |                                    |                |                                                                                                                                         |                                              |                      |
|------------------------|-----------|-----------|------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|
|                        | Boundary  |           |                                    | Classification |                                                                                                                                         | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH)   |
| Layer                  | Upper     | Lower     | Soil Texture Class                 | AASHTO Group   | Unified Soil                                                                                                                            |                                              |                      |
| 1                      | 0 inches  | 2 inches  | slightly decomposed plant material | A-8            | COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.<br>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. | Max: 141.14<br>Min: 42.34                    | Max: 7.6<br>Min: 6.1 |
| 2                      | 2 inches  | 49 inches | very fine sandy loam               | A-8            | COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.<br>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. | Max: 141.14<br>Min: 42.34                    | Max: 7.6<br>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.<br>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. | Max: 141.14<br>Min: 42.34                    | Max: 7.6<br>Min: 6.1 |
| 4                      | 70 inches | 72 inches | very gravelly sand                 | A-8            | COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel.<br>COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. | Max: 141.14<br>Min: 42.34                    | Max: 7.6<br>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<br>Min: 42.34                    | Max: 7.3<br>Min: 6.1 |

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information |           |           |                                   |                |                                                                                                                                      |                           |                                              |                    |
|------------------------|-----------|-----------|-----------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|--------------------|
|                        | Boundary  |           |                                   | Classification |                                                                                                                                      |                           | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer                  | Upper     | Lower     | Soil Texture Class                | 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<br>Min: 42.34 | Max: 7.3<br>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<br>Min: 42.34 | Max: 7.3<br>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<br>Min: 42.34 | Max: 7.3<br>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

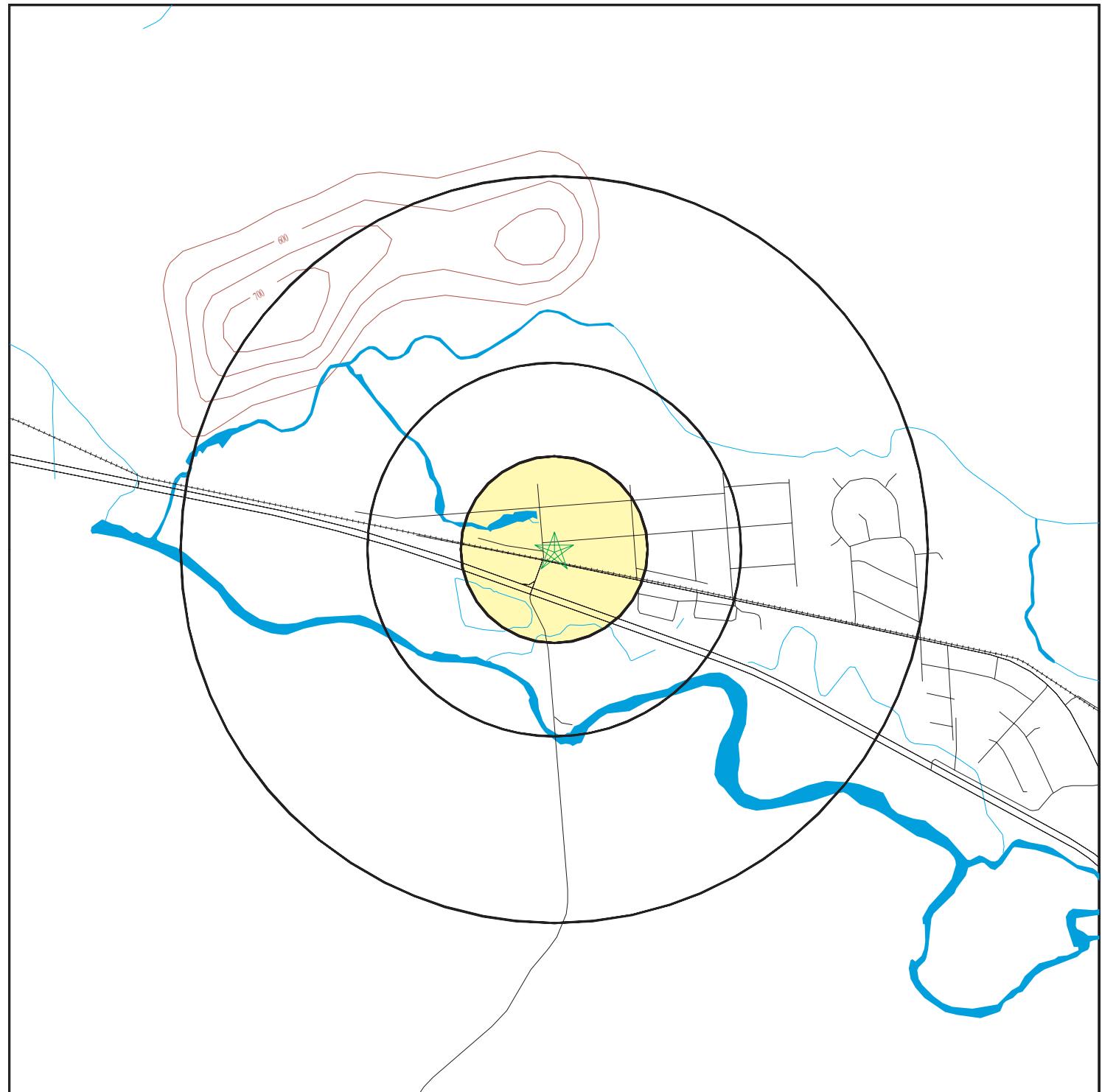
| MAP ID         | WELL ID | LOCATION |
|----------------|---------|----------|
|                |         | FROM TP  |
| No Wells Found |         |          |

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID              | WELL ID | LOCATION |
|---------------------|---------|----------|
|                     |         | FROM TP  |
| 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

0 1/4 1/2 1 Miles

- ↑ Groundwater Flow Direction
- (G) Indeterminate Groundwater Flow at Location
- (GV) 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<sup>R</sup> 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 IRRA 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 States 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/ft<sup>2</sup>/year). Greenhouse gas (GHG) emissions were also calculated based on energy fuel source and location (MtCO<sub>2</sub>e/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 divestitures, 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.

# CHARLES FERST

CEO, STRATA ENVIRONMENTAL

---

## 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.