On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system. The INTERNET address for GSA Advantage! is: GSAAdvantage.gov.

Contract number: GS-10F-0150R

Contract Period: December 27, 2014 through December 26, 2024

Contractor's name: NORTECH, Inc.
Contractor's Address: 2400 College Road Fairbanks, Alaska 99709-3754
Contractor’s Phone Number: (907) 452-5688
Contractor’s Fax Number: (907) 452-5694

SCHEDULE TITLE:
Multiple Award Schedule

FSC Group, Part, and Section or Standard Industrial Group (as applicable):
Professional Services and Miscellaneous
FSC/PSC Code: F999 and 0000

Contractor's internet address/web site where schedule information can be found (as applicable): http://www.nortechengr.com

Contract Administrator: Kim Vermilyea (kvermilyea@nortechengr.com)

Business size: Small

For more information on ordering from Federal Supply Schedule, go to the GSA Schedules page at GSA.gov.

Price list current as of Modification # PS-A812, effective February 17, 2020. This is the MOST RECENTLY awarded Contractor Initiated Modification and does NOT include any Mass Modifications.

Prices Shown Herein are NET (discount deducted).
# GSA INDUSTRIAL GROUP: MAS

**CONTRACT NUMBER:** GS-10F-0150R

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**Table of Contents**

1.0 **CUSTOMER INFORMATION** ................................................................. 1

2.0 **INTRODUCTION TO NORTECH, INC.** ................................................. 4

3.0 **GSA SIN 541620, ENVIRONMENTAL CONSULTING SERVICES** ........... 5
   3.1 Environmental Compliance Services 5
   3.2 Waste Management Services 6

4.0 **GSA SIN 562910REM, REMEDIATION AND RECLAMATION SERVICES** .... 8
   4.1 Remediation and Reclamation Services 9

5.0 **QUICK REFERENCE GUIDE** ................................................................. 10
   5.1 Environmental Sector 10
   5.2 Energy Sector 10
   5.3 Health & Safety Sector 10

6.0 **PROJECT EXPERIENCE** ................................................................. 11
   6.1 Abatement and Demolition 11
   6.2 Hazardous Material Assessment 12
   6.3 Site Characterization and UST Removal 13
   6.4 Phase 1 ESA 14
   6.5 Tank Removal and Remediation 15
   6.6 Diesel Contamination Site Assessment 16
   6.7 Phase I ESA, Site Characterization, HazMat Investigation, and Demolition Design 17
   6.8 Phase I ESA, HazMat Survey, Demo Design 18
   6.9 Abatement and Demolition 20
   6.10 Decommissioning and Cleanup 22
   6.11 Soil and Groundwater Remediation 23
   6.12 Spill Response 24

7.0 **LABOR CATEGORY DEFINITIONS** ...................................................... 25

8.0 **SCLS MATRIX** ........................................................................ 28

9.0 **NORTECH’S GSA RATE SCHEDULE** ................................................. 29

10.0 **ORDERING INSTRUCTIONS** ......................................................... 30
GSA INDUSTRIAL GROUP: MAS
CONTRACT NUMBER: GS-10F-0150R

INDUSTRIAL GROUP:
MULTIPLE AWARD SCHEDULE (MAS)
Professional Service & Miscellaneous

CONTRACT NUMBER: GS-10F-0150R
SMALL BUSINESS

SUSTAINABLE ENVIRONMENT, ENERGY,
HEALTH & SAFETY PROFESSIONAL SERVICES
CUSTOMER INFORMATION

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

<table>
<thead>
<tr>
<th>SINS</th>
<th>SINS Title</th>
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</thead>
<tbody>
<tr>
<td>541620</td>
<td>Environmental Consulting Services</td>
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<tr>
<td>562910REM</td>
<td>Environmental Remediation Services</td>
</tr>
<tr>
<td>OLM</td>
<td>Order-Level Materials (OLM’s)</td>
</tr>
</tbody>
</table>

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply. Not Offering Products

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility, and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item. See pages 25-29.

2. Maximum order: $1,000,000.00

<table>
<thead>
<tr>
<th>SINSs</th>
<th>Maximum Order</th>
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<td>541620</td>
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<tr>
<td>562910REM</td>
<td>$1,000,000</td>
</tr>
<tr>
<td>OLM</td>
<td>$1,000,000</td>
</tr>
</tbody>
</table>

3. Minimum order: $100.00

4. Geographic coverage (delivery area): Worldwide

5. Point(s) of production (city, county, and State or foreign country): Not Applicable

6. Discount from list prices or statement of net price: Government Net Prices (discounts already deducted).

7. Quantity discount: None

8. Prompt payment terms. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions. Net 30 days

Commented [KV1]: Lisa Christensen, CFCM Contract Specialist – Contractor requested this change from Domestic per GSA records.
9. Foreign items: **None**

10a. Time of delivery: **To Be Determined at Task Order Level**

10b. Expedited Delivery. Items available for expedited delivery are noted in this price list. **To Be Determined at Task Order Level**

10c. Overnight and 2-day delivery: **To Be Determined at Task Order Level**

10d. Urgent Requirements: **To Be Determined at Task Order Level**

11. F.O.B. point(s): **Destination**

12a. Ordering address: **NORTECH, Inc.**  
2400 College Road  
Fairbanks, Alaska 99709-3754

12b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3: **See page 29 below**

13. Payment address: **NORTECH, Inc.**  
2400 College Road  
Fairbanks, Alaska 99709-3754

14. Warranty provision: **As described in Statement of Work.**

15. Export packing charges, if applicable: **Not Applicable**

16. Terms and conditions of rental, maintenance, and repair (if applicable): **Not Applicable**

17. Terms and conditions of installation (if applicable): **Not Applicable**

18. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): **Not Applicable**

18a. Terms and conditions for any other services (if applicable): **Not Applicable**

19. List of service and distribution points (if applicable): **Not Applicable**

20. List of participating dealers (if applicable): **Not Applicable**

21. Preventive maintenance (if applicable): **Not Applicable**
22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): **Not Applicable**

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor's website or other location.) The EIT standards can be found at: www.Section508.gov/. **Not Applicable**

23. Unique Entity Identifier (UEI): **11-894-6235**

24. Notification regarding registration in System for Award Management (SAM) database:

   **NORTECH**, Inc. is registered in SAM.
   Registration is valid through 02/17/2023.
Introduction to NORTECH, Inc.

NORTECH Environment, Energy, Health & Safety Professional Services (NORTECH) is a multi-disciplinary firm that offers environmental consulting, engineering, and industrial hygiene services throughout Alaska. With offices in Fairbanks, Anchorage, and Juneau, the firm is uniquely structured to provide economical solutions to the many problems confronting GSA’s federal agencies in Alaska. The firm’s project experience extends across Alaska, from the North Slope, to the Interior and South Central, as well as throughout the Aleutian Islands, Pribiloff Islands, and Southeast Alaska.

Our team consists of a broad range of highly qualified and dedicated engineers and scientists, providing GSA’s federal agencies with high quality environmental compliance, waste management, remediation, and industrial hygiene services. Our team consists of registered environmental engineers, civil and chemical engineers, and certified industrial hygienists. Safety and hazardous material specialists are also part of our team. Our support staff includes all necessary disciplines: drafting, public relations, GIS, technical editors, and in-house accounting and marketing personnel.

Since NORTECH’s establishment in 1979, our staff has provided environmental engineering and industrial hygiene services that have been tailored to meet our clients’ needs. Our professionals have an outstanding record of working with clients to implement environmental measures to improve air and water quality, assess environmental impacts, perform risk and hazard assessments, perform environmental compliance management and/or contingency planning, and much more.

Our extensive track record of working with federal agencies, such as the Department of Defense, Federal Aviation Administration, USDA Forest Services, US Postal Service, and the Veterans Administration, affords us unique insights into the needs and requirements of the federal government and enables us to quickly develop solutions to their environmental problems. Whether it’s performing a hazardous material survey of buildings to be demolished or renovated, or an indoor air quality or water evaluation, or soils testing for a UST removal, we are recognized statewide for providing innovative, cost-effective solutions to our clients’ environmental engineering and industrial hygiene needs. NORTECH is currently a GSA approved contractor in GSA 541620 and 562910REM. These will be discussed in upcoming sections.
Environmental Compliance Services

*NORTECH* approaches environmental compliance issues with decades of governmental, industrial, commercial, and private sector experience, giving clients the greatest degree of flexibility, while minimizing capital and operating costs.

The *NORTECH* approach to environmental compliance and permitting is based on a comprehensive understanding of regulatory requirements, complete awareness of established and developing technologies, and a full appreciation of economic constraints. By thoroughly defining existing environmental conditions, *NORTECH* is able to focus on the most significant problems and develop the most effective solutions.

*NORTECH* has substantial and diversified experience in preparing regulatory compliance documents and permit applications, which spans virtually all major federal rules pertaining to air, water, wastewater, hazardous materials, solid and hazardous wastes, and cleanup, as well as numerous state and local rules expanding or supplementing programs.

*NORTECH* works closely with federal, state and local regulatory agencies to assure client compliance with applicable laws and regulations, during all phases of environmental projects. The *NORTECH* team’s long time proven working relationship with regulatory personnel in EPA, Alaska Department of Environmental Conservation, and OSHA will be extremely beneficial for the rapid development of trust and understanding between the regulatory representative and our clients.

As outlined below, *NORTECH* provides a full range of compliance support services spanning three general categories: environmental engineering, industrial hygiene, and civil engineering, including public water supply and wastewater services.

Environmental Engineering Services
- Regulatory Compliance Planning & Audits
- Environmental Site Assessments (ESA)
- Inspection & Audit Programs
- Spill Prevention – SPCC Plans
- Lead/Asbestos Investigations
- Permit Development & Renewal
- Expert Testimony/Regulatory Support
- Ground Water Monitoring Compliance
- Compliance Testing and Inspection Services

Industrial Hygiene Services
- Activity Hazard Analysis
- Occupational & Community Noise Assessments
Hearing Conservation Progress  
Health & Safety Compliance Audit  
Health & Safety Plan Development

Civil Engineering Services
- Wastewater Treatment and Disposal  
- Permitting and Compliance Monitoring  
- Water Supply Source Development & Protection  
- Water Treatment and Distribution  
- Water Supply Permitting & Monitoring

Waste Management Services
Growing waste management concerns demand the kind of leading-edge, multidisciplinary community-based solutions that NORTECH’s highly qualified staff routinely provides on time and under budget.

- **NORTECH** is highly skilled and experienced in simplifying and successfully working with the complex, multi-agency regulatory system.
- **NORTECH** provides qualified waste hazard management and exposure assessment expertise.
- **NORTECH** is experienced in conducting innovative waste and site investigations that focus on cost effective waste management compliance.
- **NORTECH**’s risk management professionals evaluate waste management risks to health and the environment from contaminants in soil, ground water, sediment and surface water, as well as contaminants released to the air. Services include hazard identification and data evaluation, exposure and toxicity assessment, risk characterization and uncertainty analysis.
- **NORTECH** develops comprehensive waste characterization, as well as toxicological and regulatory determinations of risk associated with contaminant exposure. **NORTECH** has conducted hundreds of waste characterizations, corrective action designs, and remediation and exposure monitoring events, at hundreds of waste sites all across Alaska, for federal agencies (NOAA, FAA, DOD, VA, USPS), state and municipal governments, industry, and commercial and private clients.
- **NORTECH** engineers also have experience in the development and implementation of waste management operational and training programs necessary to properly transport, treat, dispose, and document waste management procedures. Parts of these programs include integrated long-term planning for the future handling and distribution of solid waste to existing and planned resource recovery, transfer station or disposal facilities.
NORTECH staff includes environmental health scientists, certified industrial hygienists (CIHs) and other environmental health professionals with extensive training, education and experience in performing toxicological evaluations and risk assessments.

NORTECH's waste management services are presented below by NORTECH's Environmental Engineering, Industrial Hygiene, and Civil Engineering programs.

**Environmental Engineering Services**
- RCRA / CERCLA Site Investigations
- Environmental Site Assessments (ESA)
- Lead/Asbestos Investigations and Management Programs
- UST/AST Removal and Design
- Waste Characterization Studies
- Development of Waste Management Plans
- Feasibility Analysis
- Recycling Programs
- Risk Assessment & Risk Management
- Hazardous Material Investigation, Abatement Design, and Oversight

**Industrial Hygiene Services**
- Waste Hazard Recognition, Evaluation, and Control
- Workplace Exposure Assessments
- Occupational Health Investigations
- Indoor Air Quality Services
- Waste Human Toxicology
- Biological Investigations

**Civil Engineering Services**
- Wastewater Collection Treatment and Disposal
- Fuel and Chemical Storage Tank Wastes
- Solid Waste Characterization, Handling, and Disposal
- Database Developing
- Computer Modeling
Site remediation has evolved significantly over the past twenty years and NORTECH has kept up with the times. Our staff successfully utilizes the latest proven technologies to provide cost effective, non-obtrusive and streamlined methodologies for site restoration. NORTECH provides the full range of technologies and supporting activities necessary for remedial projects. We have provided the following remedial services to our clients:

**Remedial Support Services**
- Investigations, remedial action, long term monitoring, and remedial system operation associated with environmental restoration under CERCLA, RCRA, state, and private programs.
- Operation and maintenance (O & M) of various types of hazardous waste facilities including: water treatment facilities, filter press, soil vapor extraction, dual phase vapor extraction, bio-reactive treatment systems, low temperature thermal desorption systems and soil stabilization projects.
- Preparation of manuals, personnel training, and progress monitoring.
- Performance of RCRA site characterizations and development of work plans for closure of Hazardous Waste and Solid Waste Management Units (HWMU & SWMU).

**Site Remediation & Restoration**
- Remediation and restoration projects conducted in a variety of settings, including a range of soils, fluvial sediments, waste sludges, liquids, water, construction and other debris, contaminated structures, and removal of various waste containers.
- Compliance with CERCLA and RCRA removal actions, Interim Measures, and site closures.
- Development of innovative systems and technologies for removing contaminants in the environment.

NORTECH’s remediation services are specified as follows by Environmental Engineering, Industrial Hygiene, and Civil Engineering programs.
Remediation and Reclamation Services

Environmental Engineering Services
Remedial Investigations & Design
RCRA / CERCLA Site Investigations
Environmental Site Assessments (ESA)
Soil Vapor Extraction: Bio-Venting
Dual Phase Extraction
Spill Response Management & Cleanup
In-situ Soil & Groundwater Remediation
Lead/Asbestos, Hazardous Materials Abatement Design, Remediation, and Oversight

Industrial Hygiene Services
Hazard Recognition Evaluation & Control
Health Risk Assessments
Air Quality Assessment
Toxicology
Biological Investigations

Civil Engineering Services
Mapping
Database Development
Conceptual Site Modeling
Computer Modeling
Bid Assistance & Construction Management
Groundwater, Soil, and Site Remediation
Quick Reference Guide

Environmental Sector

- **Pollution Prevention**
  - Spill Prevention Plans (SPCC)
  - Stormwater Plans (SWPPP)
  - Facility Response Plans
  - Facility Compliance Audits
  - AST Inspections
  - API 653 Tank Inspections

- **Emergency Response**
  - Oil Discharges
  - HAZMAT Releases
  - Site Cleanup & Restoration
  - Exercise Design & Evaluation

- **Property Transfers**
  - Phase I Environmental Site Assessments
  - Phase II Environmental Site Assessments

- **Hazardous Materials**
  - Hazardous Materials Assessments (e.g., asbestos, lead-based paint, PCBs, Per- and PFAS, mercury)
  - X-ray Fluorescence (XRF) Testing
  - Abatement Planning & Field Oversight
  - Lead Inspection
  - Post-Abatement Clearance Sampling
  - Demolition Design
  - Waste Segregation & Disposal

- **Contaminated Sites**
  - Soil, Water, Sediment Sampling
  - Vapor Intrusion Assessments
  - Site Investigations
  - Feasibility Studies
  - Remedial Design
  - Site Remediation
  - Waste Characterization & Disposal
  - Litigation/Mediation Support
  - Site Closure

- **Water & Wastewater**
  - Sanitary Surveys
  - Treatment System Designs
  - NPDES Compliance Monitoring

Energy Sector

- **Existing Facilities**
  - Energy Assessments or Audits
  - Retro-Commissioning
  - Operation & Maintenance Plans & Training
  - HVAC/MEP Troubleshooting (i.e., “Sick” Building Investigations)
  - Mechanical Design Services for Remodeling/Renovation Projects
    - MEP Systems

- **Planned Facilities**
  - Sustainable Design Services
    - Water Efficiency Analyses
    - Energy Modeling & Benchmarking
    - Life Cycle Cost Analysis
    - HVAC systems
    - Fire Protection Systems
  - Construction Administration
  - Project Management
  - Building Commissioning
  - Operation & Maintenance Plans & Training

- **Healthcare Facilities**
  - Facility Life Safety & Environment of Care Assessments

Health & Safety Sector

- **Industrial Health**
  - Job Hazard Analyses (JHA)
  - Worker Exposure Assessments
  - Indoor Air Quality Assessments
  - Water Intrusion/Mold Investigations
  - AHERA/OSHA Assessment & Management Plans

- **Health & Safety**
  - Facility Safety Reviews
  - Occupational Safety Program Development & Implementation
  - OSHA/MSHA Safety Training
  - Health & Safety Plan Preparation
  - Field Operations Safety Staffing
PROJECT EXPERIENCE

Nordale and Denali Elementary Schools
Abatement and Demolition

Client: Charles Bettisworth and Co.
Owner: Fairbanks North Star Borough Public Works Department
(Abatement, Demolition, and Remediation)

NORTECH completed a school-wide hazardous materials investigation and developed full abatement design plans and specifications as part of the design team for the demolition and replacement of the Denali and Nordale Elementary Schools. This project replaced the two oldest elementary schools in Fairbanks, each constructed in the 1950s. The hazardous materials investigation included identification and quantification of asbestos containing material, lead based paint, and equipment that contained PCBs, mercury, and or radioactive sources.

NORTECH prepared the abatement and demolition plans and specifications, which included 35%, 65%, 95%, and 100% phases. Specific specification sections included environmental quality control, asbestos abatement, UST removal, and civil demolition. NORTECH also provided bidding assistance and construction administration services.

Shortly before demolition, the heating oil UST at Nordale Elementary School was found to be leaking. After removal during the demolition project, NORTECH was awarded assessment of the site and surrounding area through a term contract with the Fairbanks North Star Borough. This petroleum remediation project is on-going and has included free product recovery, off-site groundwater delineation efforts, identification of other potential sources in the area, and vapor intrusion assessments of the new school and an adjacent day care.

This demolition design project demonstrates NORTECH’s ability to succeed within a multi-disciplinary design team for an institutional owner. This project also demonstrates NORTECH’s experience at assessment, design, administer, and monitor high-visibility, publicly funded projects that involve the full range of site civil and environmental tasks.
Arctic Village School Replacement:
Hazardous Material Assessment, Design, and Construction Administration

Client: Design Alaska
Owner: Yukon Flats School District
(Atatement, Demolition, and Remediation)

NORTECH was retained on the design team during planning for a new school to perform a hazardous material and contaminated site assessment, develop demolition, abatement and site remediation design, and provide construction administration oversight and quality assurance services during abatement, demolition and site remediation related to the existing school. Abatement of hazardous materials and demolition of the existing school and out buildings was completed following completion of the new school. Additionally, the existing school site was known to be contaminated with petroleum that needed to be characterized and remediated to facilitate re-use of the area as part of the new school campus.

Initial characterization was completed in 2004 and the design was completed between 2004 and 2006. NORTECH’s work included negotiation of site-specific cleanup alternative cleanup levels with ADEC, negotiation with the school district and local government on treatment of contaminated soil and disposal of asbestos containing materials, and other logistical concerns due to the remote location.

The project was bid in 2007 and construction of the new school began in 2008. NORTECH was retained by the contractor, with concurrence from the owner, to conduct the contaminated soil delineation, segregation, and testing during approximately six weeks of remediation work in 2009. The final surface cap of clean soil was installed in August 2009 and thermal remediation of contaminated soils was completed in October.

The Arctic Village School project demonstrates NORTECH’s ability to succeed on a multi-disciplinary design team and cost-effectively complete both administration and construction tasks. This project also highlights NORTECH’s ability to develop a consensus remediation design that met state and federal regulations as well as local health and aesthetic concerns.
ADEC Sani-Klean:
Site Characterization and UST Removal

Client: ADEC/SPAR/RFA Contract Management Section

NORTECH completed the removal of the under-ground storage tanks and site characterization activities at the former Sani-Klean Service Station in Moose Creek, Alaska. The primary objective of this project was to close the five regulated underground storage tanks and the two buried heating oil tanks and complete a site assessment for the property. The secondary objective was to remove approximately 400 additional yards of contaminated material from the site.

The excavations and trenches were backfilled, and the site was returned to the original grade.

This project was part of an EPA Brownfields Program that was intended to help transfer contaminated and abandoned properties back into use. On this site, the intent was to use available funds to remove and close the five regulated USTs and evaluate the suspected groundwater and soil contamination through a release investigation. Other known or suspected on-site contamination sources were also investigated as permitted by funding and time. During the project, additional funding was provided to excavate and thermally remediate a larger quantity of contaminated soil than included in the original estimate. Specific activities that were authorized in the scope of work include:

- Review of site files, historical records, and work plan development
- Removal and disposal of the five USTs
- Trenching to identify and delineate secondary source soils and other potential sources
- Excavation and thermal treatment of 75 tons of contaminated material with the tanks
- Excavation of up to 600 additional tons of contaminated material around the site
- Groundwater monitoring well installation and sampling to delineate groundwater impacts
- Reporting
Meridian Gold Cleary Summit
Phase 1 ESA

Client: Meridian Gold

Robert Wheatley, representing Meridian Minerals Corporation (Meridian), contracted with NORTECH to perform a standard Phase I Environmental Site Assessment (ESA) of a portion of the Golden Summit project, north of Fairbanks, Alaska.

The project area is located on the north side of Cleary Summit, located approximately 30 road miles northeast of Fairbanks, and consists of approximately 10 square miles of land. The area had been developed for a wide variety of gold mining activities by more than one hundred different parties in the last 100 years. This investigation provided a summary of prior and current property activities within the area to determine the likelihood of past or present contamination by toxic or hazardous substances. Surface water, waste rock, and suspect soil sampling was also authorized by Meridian.

To accomplish the objectives of the project, the following services were provided:

- Review of relevant documentation of the Site, including aerial photographs and mining records provided by Meridian
- Review of state databases for known or suspected contaminated sites and leaking underground storage tanks in the project area
- Visual assessment of the property for indications of potential environmental issues and hazardous materials
- Interviews with individuals from Avalon Development that are knowledgeable about the project area and its history
- Limited sampling of surface water and suspect soil to investigate the potential for petroleum, hazardous materials, and/or heavy metals
**Client:** UAF Facility Services

**NORTECH** was contracted by the University of Alaska Fairbanks Division of Design and Construction (UAF DDC) to conduct quality assurance and preliminary site assessment activities during the removal and closure of a buried heating oil tank for the Yukon Flats Classroom Addition project, in Ft. Yukon, Alaska.

Tank removal was part of a larger renovation/addition project at the facility and **NORTECH** completed the activities described in the Quality Assurance section of the tank removal specifications.

The former buried heating oil tank has been removed from the site and disposed of at the Fort Yukon Landfill. Eight holes, up to one-quarter inch in diameter, were observed in the tank walls and are shown in the project photographs. Soil and groundwater contamination were observed in the area of the former tank and approximately 80 cubic yards of contaminated soil were excavated. Soil contamination remains in place within the structural prisms of the building, the new classroom addition, and the new heating oil tank. The volume of soil remaining above the smear zone is estimated at less than 40 cubic yards. The soil stockpile generated during the tank removal was field screened and met the criteria for remediation through thin spreading in the parking of the site. The thin spreading was completed on the in August 2006.

Groundwater sampling indicates that benzene and DRO exceed the drinking water level in the former tank location. However, the concentration is relatively low (approximately twice the cleanup level) and no known drinking water source is nearby as Fort Yukon is on a hauled water system. Additional water sampling was recommended to follow-up this event in 2007.
Native Village of Tatitlek
Diesel Contamination Site Assessment

Client: Tatitlek Environmental

NORTECH completed a Preliminary Site Characterization Investigation at selected locations within the Village of Tatitlek, Alaska, in July, 2006. The investigation was conducted at the request of Tatitlek Environmental to characterize site conditions at three sites within the Village. The investigation was funded through a U.S. Environmental Protection Agency’s Brownsfields Program grant.

Two former fuel storage sites were assessed for the potential presence of diesel contamination resulting from past bulk storage and handling of petroleum products and/or the operation of power generation equipment associated with the storage tanks. A third site was assessed as a control site. The investigation included site reconnaissance, interviews with Tatitlek Environmental personnel, field mapping, photo-documentation of site conditions, and contamination assessment of the near-surface soil conditions at each project area. Contamination assessment was accomplished through the collection of soil samples for field screening and laboratory analysis. Field screening was comprised of visual and olfactory observations, headspace field screening with a photoionization detector (PID), and hydrothermally induced iridescent ophthalmoscopy (hot water sheen) testing of the collected samples. Contaminant characterization was accomplished through laboratory analysis of selected soil samples for gasoline, diesel, and residual range organic compounds (GRO, DRO, RRO), and benzene, toluene, ethylbenzene, and total xylene (BTEX) contaminants.

This preliminary site characterization confirmed the presence of DRO contamination in excess of ADEC Cleanup Levels at each project area, and RRO contamination at two project areas, one in excess of the cleanup level. The investigation concluded that the contamination is related to both past and present fuel storage and handling practices and is not limited to bulk storage facilities within the Village. Recommendations for additional assessment will be necessary to identify the source(s) of contamination and define the limits of contamination across the Village.
Former Resource Center for Parents and Children
Phase I ESA, Site Characterization, HazMat Investigation, and Demolition Design

Clients: Sahn Investments and Fairbanks Community Development Foundation

NORTECH completed a Phase I ESA of Lots 2, 3, 4, & 8 Block 137, Weeks Field Subdivision, Fairbanks, Alaska. The property contained a two-story log office building and one small building with four additional offices. The buildings totaled approximately 10,000 square feet of commercial space, including offices and a kitchen. The Phase I included a limited hazardous materials assessment and inventory for planning the demolition of the building. The primary environmental concern noted included two abandoned buried heating oil tanks, one of which had been replaced in the 1980s because the previous tank was believed to have been leaking.

NORTECH then completed a limited Phase II direct-push groundwater sampling program to assess the potential for contamination associated with the two abandoned tanks. Two groundwater samples were collected and the DRO exceeded the ADEC groundwater cleanup level at one of the locations. NORTECH worked with the potential buyer and ADEC to negotiate a limitation of liability. Although the buyer and ADEC reached an agreement, the final language was not approved by the Attorney General’s office and the agreement was not formalized.

The potential buyer purchased property and removed tanks, finding soil contamination that was remediated through land farming. NORTECH complete the pre-demolition inspection and regulatory coordination, developed demolition specifications, and provided assistance during the bid process. This included determining the necessary abatement activities, appropriate disposal methods, foundation removal methods, and termination or relocation of all utility services to the site. Bid documents were distributed and three competitive bids were obtained for the abatement and demolition activities. This project was expedited with the buildings completely demolished within six weeks of the award of the hazardous materials survey.
Illinois Street Realignment
Phase I ESA, HazMat Survey, Demo Design

Client: Alaska Department of Transportation and Public Facilities (ADOT)

NORTECH was awarded a multi-phase project for the inspection, demolition design, and construction administration for six buildings that will be demolished during realignment and reconstruction of Illinois Street in downtown Fairbanks. The six buildings were built between 1904 and 1954 and most had undergone multiple significant renovations.

Work was awarded on a building by building basis as ADOT ROW acquired each of the buildings.

**Task 1** consisted of the field work and research for a standard ASTM Phase I ESA and a Hazardous Materials survey for demolition (asbestos containing materials, lead based paint, PCB containing items, radioactive sources, etc.). This data was presented in an interim conference setting to streamline the investigation and reduce the overall project cost.

**Task 2** included additional sampling recommended by the Phase I ESA for environmental concerns identified in Task 1 and represented 35% design.

**Task 3** consisted of the demolition design for the six buildings, including submittals for 65%, 95%, and 100% design. The demolition design included demolition cost estimates, contractor site control, pedestrian and vehicle traffic control, maintaining access to adjacent businesses, utility disconnection and removal, hazardous materials abatement, non-hazardous building materials removal, foundation removal, preservation of adjacent foundations and nearby buildings, removal and closure of buried heating oil tanks and Class V injection wells, and site restoration for the future road construction. The accelerated design was completed in four months. Decommissioning occurred over a four-month period from August through November.
This project demonstrates NORTECH’s ability to cost effectively investigate, design, and administer a multi-phase, multi-building demolition in the sensitive urban environment of downtown Fairbanks. This project also included evaluation of adjacent buildings to remain and designing and compiling information for site assessment related to redevelopment.
BP Annex Building  
Abatement and Demolition

Client: BP Exploration Alaska

The original Annex 1 facility in the Base Operations Center (BOC) was comprised of a 60’ by 160’ two story dining and recreation facility.

Attached was a 32’ by 320’ dormitory room section with four 32’ by 80’ wings on each side.

In 2006, the building was cut into 26 sections, each approximately 32’ by 45’, for removal from the pad. Four sections were used for fire training, and the remaining 22 sections where hauled to the West Dock Staging Pad (WDSP) for later disposal. NORTECH was retained mid-way through the relocation effort to resolve hazardous material handling and regulatory issues and facilitate completion of the relocation.

NORTECH was subsequently retained to complete the hazardous materials inspection and develop recommendations for disposal of the 22 sections located at WDSP during 2007. These recommendations were developed into a decommissioning work plan consisting of abatement and demolition onsite and disposal at the nearest approved landfill located in Fairbanks 500 miles to the south.

NORTECH was contracted by BP in 2008 to be the owner’s Project Manager Agent for the abatement, demolition, and disposal of the 22 sections.

These sections were now considered to be structurally unsound. NORTECH presented the conditions to Region 10 EPA, the project became classified as an Emergency Demolition, forgoing the requirement to remove the asbestos prior to demolition. This eliminated the issue of removing friable ACM, but “other” hazardous materials, such as PCB-containing ballasts and smoke detectors with radioactive sources, were removed section by section using confined space procedures overseen by a NORTECH CSP. Sections already collapsed were dismantled mechanically in a manner such to minimize damage to the hazardous items and enable workers to hand-pick these from the debris pile prior to crushing the waste for load out. Universal wastes were removed from each section and four sections were completely demolished and removed from the site in 2008.
Funding to complete the demolition was not available in 2009 and BP requested that the remaining work be competitively bid. **NORTECH** created specifications and plans for the remaining work and solicited bids in February 2010. Five contractors bid on the project and contract negotiations are ongoing at this time. The demolition is expected to be completed in July and August 2010.

The Annex project demonstrates **NORTECH**’s ability to design and administer a multimillion-dollar emergency hazardous material abatement and demolition in the remote arctic. This project also utilized **NORTECH**’s flexibility in design approach, utilizing both design-build and standard RFP, as well as use as a procurement vehicle within the administration of the project.
Client: University of California, Los Angeles

Year: 2008-2013

NORTECH worked on a multi-phase project for the University of California, Los Angeles (UCLA) in Two Rivers, Alaska.

The project began in 2008 with completion of a Phase I Environmental Site Assessment (ESA) for the High-Power Aurora Stimulation Observatory (HIPAS), a 130-acre research facility with approximately a dozen buildings.

NORTECH reviewed relevant documentation of the Site, including aerial photographs and Fairbanks North Star Borough records; reviewed federal and state databases for known or suspected contaminated sites and leaking underground storage tanks within ASTM search radii; performed a visual assessment of the property for indications of potential environmental issues; and interviewed individuals knowledgeable about the Site and its history. The Phase I ESA identified multiple environmental concerns, including potential heating oil releases, the presence of above ground storage tanks (AST)s, Mercury contamination related to a liquid mirror telescope, a variety of drums, chemicals, and cylinders, and a wide variety of electronic equipment across the 130-acre site.

NORTECH was subsequently retained for project management of the decommissioning of the entire facility, including removal of all buildings, roads, and other improvements. Decommissioning bid documents to obtain a decommissioning contractor were developed and decommissioning was completed in mid-2013.
Lucky Sourdough
Soil and Groundwater Remediation

Client: Ken Murray; (907) 456-6646
Owner: Alaska Department of Environmental Conservation, UST Program

NORTECH worked closely with the ADEC’s Underground Storage Tank (UST) Financial Assistance Program (FAP) to close and remove two leaking USTs at the former Lucky Sourdough service station in 1992.

NORTECH conducted a site characterization of the area, including assessment of the soil and groundwater contamination and remediation of the excavated soil.

Initial project efforts included the removal and closure of two USTs, a pump test, characterization of soil and groundwater contamination, including quarterly sampling of 25-30 monitoring wells.

Groundwater contamination was confirmed downgradient off of the property. Modeling and long-term monitoring efforts indicated possible impacts to the public water wells and confirmed that future impact to the public water wells was expected to decrease, permitting ADEC approval of no active remediation off-property with long term monitoring to confirm modeling results.

Site characterization indicated that an active remediation was necessary to address contamination on the property. NORTECH conducted a feasibility study of the property and installed an air sparging vapor extraction system in 1996. NORTECH’s project efforts included the remedial design, installation, and operation of the air sparging and vapor extraction system to remediate contaminated site soils and groundwater beneath and around the existing structures.

In 2000, NORTECH and ADEC determined that the site conditions might permit risk-based closure of the site with additional site characterization, risk assessment, and long-term monitoring. Additional direct push wells were installed, and the 2001 site characterization verified that the plume size had decreased substantially. NORTECH determined that a dual phase extraction system was the most feasible way to expedite site cleanup with the remaining FAP funds and operated a dual phase extraction system in 2002 and 2003. At the same time, NORTECH completed a study of natural attenuation in the impacted area and determined biological degradation of the contaminants was effective as a long-term remediation strategy.

At this time, the active remediation systems have been shut down for over four years. Groundwater contaminant concentrations have continued to drop significantly, and benzene is no longer detectable in the original source area. NORTECH, the owner, and ADEC are currently working out appropriate land-use controls and a long-term monitoring agreement for the site. The final conditional closure is expected in 2008.
Acres Kwik Trip
Spill Response

Client: Acres Kwik Trip, Phyllis Johnson, (907) 835-2269
Project Duration: 2007-2013

A surface release of approximately 4,000 gallons of gasoline occurred over a period of several months due to a cracked aboveground fuel line leaking beneath snow.

NORTECH’s initial scope of work was to provide Certified Industrial Hygiene services to assess and provide necessary recommendations for addressing the site and building air quality, health and safety concerns, and the re-occupancy of the site and structures.

Work efforts included reviewing the initial release investigation report, performing the site inspection and sampling and completing informal interviews and discussions with site and spill knowledgeable individuals and preparation of a letter report. NORTECH’s letter provided guidance on cleanup of the site and recommended engineering controls to mitigate health hazards with respect to occupancy of the buildings and site conditions to be met that would allow re-occupancy.

Following the initial cleanup activities, ADEC proposed to use an ADEC term contractor to complete cleanup activities and utilize cost recovery statutes to obtain funding from the owner. NORTECH reviewed the proposed work plan and advised the owner to undertake the effort independently. NORTECH generated and executed an owner and ADEC approved work plan for site characterization in the fall of 2007.

Site work included the excavation of over 40 test pits, installation of three groundwater monitoring wells, placement of a product interception trench with two recovery sumps, the excavation of approximately 200 cubic yards of secondary source contaminated soil and development of an onsite land farm. This effort delineated contamination on the site and adjacent property and identified that contamination had migrated onto additional nearby properties. NORTECH’s report identified potential remediation alternatives and outlined the scope of work for additional off-site characterization.

Site characterization and remedial activities at this facility are ongoing as of the fall of 2010.
LABOR CATEGORY DEFINITIONS

**Principal/Project Manager**

*Functional Responsibilities:* Ownership is required for this position. The Principal has overall contract management and signature authority and serves as company quality control officer.

*Minimum Qualifications:* Bachelor’s Degree with Professional Certification is preferred. Standard company employee ownership program requires 6 years of employment with NORTECH and a majority vote of the Board of Directors, plus 6 years of experience in relevant field. This position is considered to be a permanent salaried (exempt) function.

**Senior Registered Professional**

*Functional Responsibilities:* The Senior Registered Professional assists the Project Manager in designing, recommending, implementing project requirements and provides direction and supervision to subordinates for implementation. This position may include engineers, scientists, geologists, or industrial hygienists.

*Minimum Qualifications:* The position is considered to be a permanent salaried (exempt) staff function. The position requires a professional certification and a bachelor’s degree in engineering, industrial hygiene or a related field. Six years of experience in an environmental or industrial hygiene field and/or hazardous material spill response operations with four years of experience in the supervision of field activities and documented training meeting the ADOL Safety Regulations supervisory requirements.

**Project Manager/Staff Professional II**

*Functional Responsibilities:* The Project Manager reports to the Principal and manages the delivery of one or more projects assigned to their area of responsibility. The PM works jointly with the project representatives and ensures agreed communication between project representatives, management, and the Project Team regarding the scope, the schedule, the budget and cost, the priorities, the risks, and the quality.

*Minimum Qualifications:* This function is considered to be a permanent salaried (exempt) staff function. This position typically involves professional certification and bachelor’s degree in engineering, industrial hygiene or related field. Eight or more years in project management with six or more years of specialized experience in environmental and/or industrial hygiene with a minimum of four years of experience in direct responsible charge of environmental and/or industrial hygiene projects with documented training meeting the ADOL Safety Regulations supervisory requirements.
Staff Professional I

**Functional Responsibilities:** The Staff Professional I is responsible for technically “supervising and administering” complex multiple project tasks at various locations, oversees Project team and subcontractors, and provides direction to correct areas where performance is not in accordance with project’s plans. This position may include engineers, scientists, geologists, or industrial hygienists.

**Minimum Qualifications:** The Staff Professional I could be either a contract or permanent staff function that may be salaried or hourly (exempt or non-exempt). The position requires a bachelor’s degree in Engineering, Industrial Hygiene, or a related field. Engineer in Training (EIT) or Industrial Hygienist in Training (IHIT) is preferred. Four years of experience in an environmental or industrial hygiene field and/or hazardous material spill response operations with two years of supervision experience and documented training meeting the ADOL Safety Regulations requirements.

IT and Administrative Manager

**Functional Responsibilities:** The contract administrator is responsible for administrating the contract accounting and supervision of clerical and administrative staff.

**Minimum Qualifications:** The position requires a documented managerial and accounting contract administration experience including a minimum of 5 years of experience. A bachelor’s degree in accounting or related field is preferred. This position is considered to be a permanent staff function that may be salaried or hourly (exempt or non-exempt).

Junior Professional/Technician II

**Functional Responsibilities:** The Junior Professional is responsible for project work as assigned by the Project Manager. The Junior Professional receives work assignments which have clearly defined objectives, specific guidelines and instructions. Work may involve complex project tasks with limited decision making and is performed under close to limited supervision. This position may include engineers, scientists, geologists, or industrial hygienists.

**Minimum Qualifications:** The Junior Professional is considered to be a permanent staff function that may be salaried or hourly (exempt or non-exempt), and requires a bachelor’s degree in engineering, industrial hygiene, or a related field with 1-5 years of experience in environmental or industrial hygiene field and/or hazardous material spill response operations and documented training meeting the ADOL Safety Regulations requirements.
**Asbestos & Lead Technician I/CADD Technician I**

**Functional Responsibilities:** The Field Technician works under close supervision of the professional staff and receives work assignments which have clearly defined objectives, specific guidelines, and instructions.

**Minimum Qualifications:** The Field Technician is considered to be a permanent staff function that may be salaried or hourly (exempt or non-exempt). High school diploma or GED with 1 to 3 years of industrial hygiene, environmental or oil spill, and/or hazardous material experience is preferred, along with documented training meeting the ADOL Safety Regulations requirements. Computer aided, or manual drafting and graphic presentations experience are also required for this position.

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**Clerical Support**

**Functional Responsibilities:** Duties may include project setup, word processing, photocopying, filing, and report publishing.

**Minimum Qualifications:** This position is considered to be a permanent hourly staff function (non-exempt), and high school diploma or GED with 1 to 3 years of experience is preferred.
**SCLS Matrix**

<table>
<thead>
<tr>
<th>Wage Determination No.</th>
<th>Revision No.</th>
<th>Date of Revision</th>
<th>Area</th>
</tr>
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<tbody>
<tr>
<td>2015-5682</td>
<td>7</td>
<td>12/26/2018</td>
<td>Alaska Boroughs of Anchorage, Matanuska-Susitna</td>
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<table>
<thead>
<tr>
<th>SCLS Eligible Contract Labor Category</th>
<th>SCLS Equivalent Code and Title</th>
<th>WD Number</th>
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<tr>
<td>Junior Professional/Technical II</td>
<td>30090 - Environmental Technician</td>
<td>2015-5682</td>
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<tr>
<td>Asbestos &amp; Lead Technician I/CADD Technician I</td>
<td>30061 - Drafter I</td>
<td>2015-5682</td>
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<td>Administrative Manager</td>
<td>01020 - Administrative Assistant</td>
<td>2015-5682</td>
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<tr>
<td>Clerical Support</td>
<td>01011 - General Clerk I</td>
<td>2015-5682</td>
</tr>
</tbody>
</table>

**Service Contract Labor Standards**

The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (**) in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).
NORTECH’s GSA RATE SCHEDULE

The following rates will apply to SINs 541620 and 562910REM:

<table>
<thead>
<tr>
<th>Labor Category</th>
<th>GSA Term Rate</th>
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<tr>
<td>Principal/Project Manager</td>
<td>$ 132.00</td>
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<tr>
<td>Senior Registered Professional</td>
<td>$ 117.60</td>
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<td>Project Manager/Staff Professional II</td>
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<td>Staff Professional I</td>
<td>$ 80.00</td>
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<td>Asbestos &amp; Lead Technician I/CADD Technician</td>
<td>$ 55.85</td>
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<td>Junior Professional/Technician II</td>
<td>$ 66.15</td>
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<tr>
<td>IT &amp; Admin Manager</td>
<td>$ 60.00</td>
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<tr>
<td>Clerical Support</td>
<td>$ 43.05</td>
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</tbody>
</table>
ORDERING INSTRUCTIONS

Please contact NORTECH for a customized estimate based on your proposed Work Scope and needs. NORTECH can estimate your project using a variety of fee types such as Fixed Fee, Time and Materials, Time and Materials Not-to-Exceed, Day Rates, and combinations of such.

The estimate would utilize NORTECH's current GSA Rates and detail the application of personnel, equipment, materials, and testing needs based on your work scope. Price and availability would be firm pending your acceptance within 30 days, after which we reserve the right to review them. Upon acceptance, a standard contract would be required, along with a dated Notice to Proceed, before work would commence.

FOR YOUR CUSTOMIZED ESTIMATE, PLEASE CONTACT ONE OF THE FOLLOWING PROFESSIONALS:

1. Peter Beardsley, PE
   2400 College Road
   Fairbanks, AK  99709
   Phone: (907) 452-5688
   Email: peter@nortechengr.com

2. Jason Ginter
   5438 Shaune Drive, STE B
   Juneau, AK  99801
   Phone: (907) 586-6813
   Email: jginter@nortechengr.com