APPLICATION FOR LEASE OF STATE LAND
AS 38.05.070

State of Alaska
Department of Natural Resources, Division of Oil and Gas
550 West 7th Avenue, Suite 1100, Anchorage, AK 99501-3563
Email: dog.permitting@alaska.gov

1. Applicant Information	2. Applicant Contact
Name: STAK ENERGY CORPORATION Mailing Address: 188 W. Northern Lights Blvd; Ste 620 City: Anchorage State: Alaska Zip Code: 99503 Application Date: 11/21/2025 (rev.03/12/26)	Name: Jim Shine Title: Chief Legal and Corporate Officer Phone: (907) 903-0202 Email: jim@stak.energy *If the Contact's Mailing Address is different from the Applicant's Mailing Address, please provide the information below:* Mailing Address: City: State: Zip Code:
3. Request Type ☒ New ☐ Renewal ☒ Amendment (Revised 03/12/2026)	

If applying for a renewal or amendment of an existing lease, provide ADL:

Is the applicant a corporation qualified to do business in Alaska? Yes ☒ No ☐

Is the corporation in good standing with the State of Alaska Department of Commerce and Economic Development? Yes ☒ No ☐

Is the applicant currently in default on, or in violation of, any purchase contract, lease, permit or other authorization issued by the Department under 11 AAC? Yes ☐ No ☒

Within the past three years, has the Department foreclosed or terminated any purchase contract, lease, permit or other authorization issued to the applicant? Yes ☐ No ☒

4. Project Location and Land Status Information

State of Alaska Surface Lands and Tidelands: ☐ mark if included in attached document

Meridian, Township, Range, Section(s):

The proposed pad location will be:
Umiat Meridian
Township 006 N, Range 013 E, Sections 02 and 03,
and Township 007 N, Range 013 E, Section 34

The proposed access road location will be:
Umiat Meridian
Township 006 N, Range 013 E, Sections 02, 11, and 12

Is the land applied for subject to any existing leases or permits? Yes ☒ No ☐
If yes, please list below:

Great Bear Pantheon is the lessee for State of Alaska oil & gas leases in the project vicinity, ADLs 394098, 394099 and 391704.

The proposed access road crosses the AGDC ROW, MO 1162A03, adjacent to the Dalton Highway.

STAK Energy has conducted a preliminary title examination, which confirmed that no encumbrances or other title defects impact the access road or the proposed project site.

Are there any existing improvements on the land? Yes ☐ No ☒
If yes, describe the improvements on the land:

If yes, who owns the improvements, and what is the estimated value?

Has a letter of non-objection or third-party commercial agreement been obtained from other affected parties?
Yes ☒ No
If no, please explain:

STAK provided Great Bear Pantheon's Letter of Non-Objection to the Division on December 23, 2025.

Name and address of adjacent landowners including the upland owner if the project is on tidelands:
n/a

5. Project Information

Project Name: STAK Energy Campus

Construction Start Date: Summer 2026 End Date: Summer 2028

Requested Lease Term: 50 *Please note that the maximum lease term is 55 years*

Project Description:

STAK Energy Corporation (STAK) proposes to construct and operate the STAK Energy Campus, a state-of-the-art, natural gas–powered energy facility located approximately 26 road miles south of Deadhorse, Alaska. The project site lies approximately 1 mile west of the Dalton Highway at Milepost 390, positioned west of the Alaska Gasline Development Corporation (AGDC) right-of-way and the Trans-Alaska Pipeline System (TAPS). The gravel access road and pad site encompass approximately 715 acres of State of Alaska surface estate, to be leased under AS 38.05.070 through the Department of Natural Resources, Division of Oil and Gas. The site is adjacent to the *65-9-099-2 Mine Site* at MP390, providing an optimal source of gravel in close proximity to the project.

The project site requires construction of a gravel pad, road, and maintenance buffers covering up to 715.4 acres, designed for permafrost stability and minimal disturbance to surrounding tundra hydrology. A short gravel access road (~1.8 miles) will connect the site to the Dalton Highway, ensuring all-season logistics and emergency access. The pad will host modular high-performance computing (HPC) units, operations and maintenance buildings, and the supporting utilities required for power generation and communications. Site grading, snow removal, drainage, and culvert placement will be engineered to manage runoff and maintain existing surface water flows. The project will include an on-site natural gas generation system that will provide approximately 1 GW of power and will be supplied from one or more newly constructed natural gas pipeline(s). Gas pipeline planning is underway with potential connections to producing gas fields within 25 to 90 miles of the site and/or the developing oil and gas prospects in the immediate vicinity of the pad.

Power will be generated using high-efficiency gas turbine units and will meet Alaska Department of Environmental Conservation (ADEC) air quality requirements. Backup diesel generators will provide redundancy during maintenance or gas supply interruptions. Each modular HPC building will be designed for cold-region efficiency, taking advantage of the North Slope's ambient temperatures for cooling. The facility will include advanced power distribution systems, fiber-optic communication links, and monitoring equipment to ensure stable operation. A dedicated operation and control building will support around-the-clock staff overseeing HPC systems, power generation, and safety programs. During construction, up to 1,500 workers will be on-site, with operational staffing of approximately 60 personnel on rotating shifts. Water for construction and operations will be hauled to the site from permitted North Slope sources or drawn from a permitted on-site well, while wastewater and solid waste will be collected and transported to approved disposal facilities in Deadhorse. Small volumes of fuel, lubricants, and maintenance chemicals will be stored in double-walled or secondary containment systems consistent with Spill Prevention, Control, and Countermeasure requirements. A comprehensive environmental management plan will address spill prevention, erosion control, tundra protection, and waste management practices.

Construction of the STAK Energy Campus is scheduled to begin in summer 2026, which will include initiating major permitting and procurement of pipeline and power generation modules. STAK anticipates initial operations to begin by late 2028. The project will be constructed in phases, beginning with site preparation and gravel road and pad development, followed by installation of a natural gas pipeline, utilities, power generation systems, and HPC modules. The project has been designed to minimize environmental disturbance by confining activity to the pad area, selecting a site with minimal waterbody and wetland disturbance, utilizing existing transportation infrastructure, and adhering to all environmental protection requirements. At the end of its operational life, all structures and equipment will be removed, and the site will be regraded and revegetated in accordance with DNR reclamation standards. The project's design emphasizes long-term environmental stewardship, safety, and the responsible use of Alaska's natural gas resources to support critical digital infrastructure.

Are there any improvements or construction planned? Yes ☒ No ☐

If yes, describe the planned improvements and methods of construction:

Please see attached application document.

What is the estimated value of planned improvements?

$500 million in site evaluation and preparation, site engineering, gravel road and pad construction and initial camp and support infrastructure.

6. Development Plan

☒ mark if included in attached document

A. Terrain:

Please see attached application document.

B. Access:

Please see attached application document.

C. Infrastructure (buildings, roads, pipelines, etc.):

Please see attached application document.

D. Waste Types, Water Sources, and Disposal Methods:

Please see attached application document.

E. Hazardous Substances:

Please see attached application document.

F. Power Source:

Please see attached application document.

G. Water Supply:

Please see attached application document.

H. Parking and Storage Areas:

Please see attached application document.

I. Operations Personnel:

Please see attached application document.

J. Generally outline long-term maintenance and operation requirements:

Please see attached application document.

K. Generally outline operating procedures designed to mitigate, minimize, or avoid adverse effects:

Please see attached application document.

L. Generally outline plans for rehabilitating the affected project area after completion of operations:

Please see attached application document.

AS 38.05.070 authorizes the Department of Natural Resources (DNR) to solicit interest for a competitive auction of the leasehold. The Division Director may cancel the auction if it is determined that only one potential qualified bidder has expressed interest in bidding.

If this authorization is granted, I agree to construct and maintain the improvements authorized in a workmanlike manner, and to keep the area in a neat and sanitary condition; to comply with all the laws, rules, and regulations pertaining thereto; and provided further that upon termination of the easement for which application is being made, I agree to remove or relocate the improvements and restore the area without cost to the state and to the satisfaction of the Director of the Division of Oil and Gas.

Signed by:
Jim Shine
23D39BBECE824F2...

Applicant Signature

3/12/2026

Date

Maps:
Attach a USGS map (scale of 1:63,360) or a state status plat showing the location of the proposed project. Please see the Lease guidance document for additional map requirements.

Terms of Approval:
The final granting of a lease will be contingent upon DNR's receipt of a performance guaranty, proof of insurance, and an as-built survey depicting the post construction location of the improvements. Instructions for the completion of the as-built will be provided by the DNR Survey Section.

AS 38.05.035 (a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested). Public information is open to inspection by you or any member of the public upon request. A person who is subject of the information may challenge its accuracy or completeness under AS 40.25.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

STAK ENERGY

STAK ENERGY CORPORATION

APPLICATION FOR LEASE OF STATE LAND & DEVELOPMENT PLAN

MARCH 12, 2026

1. INTRODUCTION

STAK Energy Corporation (STAK) proposes to construct and operate the STAK Energy Campus, a state-of-the-art, natural gas–powered energy facility located approximately 26 road miles south of Deadhorse, Alaska. The project site lies approximately 1 mile west of the Dalton Highway at Milepost 390, positioned west of the Alaska Gasline Development Corporation (AGDC) right-of-way and the Trans-Alaska Pipeline System (TAPS). The gravel access road and pad site encompass approximately 715 acres of State of Alaska surface estate, to be leased under AS 38.05.070 through the Department of Natural Resources, Division of Oil and Gas. The site is adjacent to the *65-9-099-2 Mine Site* at MP390, providing an optimal source of gravel in close proximity to the project.

The project site requires construction of a gravel pad, road, and maintenance buffers covering up to 715.4 acres, designed for permafrost stability and minimal disturbance to surrounding tundra hydrology. A short gravel access road (~1.8 miles) will connect the site to the Dalton Highway, ensuring all-season logistics and emergency access. The pad will host modular high-performance computing (HPC) units, operations and maintenance buildings, and the supporting utilities required for power generation and communications. Site grading, snow removal, drainage, and culvert placement will be engineered to manage runoff and maintain existing surface water flows. The project will include an on-site natural gas generation system that will provide approximately 1 GW of power and will be supplied from one or more newly constructed natural gas pipeline(s). Gas pipeline planning is underway with potential connections to producing gas fields within 25 to 90 miles of the site and/or the developing oil and gas prospects in the immediate vicinity of the pad.

Power will be generated using high-efficiency gas turbine units and will meet Alaska Department of Environmental Conservation (ADEC) air quality requirements. Backup diesel generators will provide redundancy during maintenance or gas supply interruptions. Each modular HPC building will be designed for cold-region efficiency, taking advantage of the North Slope's ambient temperatures for cooling. The facility will include advanced power distribution systems, fiber-optic communication links, and monitoring equipment to ensure stable operation. A dedicated operation and control building will support around-the-clock staff overseeing HPC systems, power generation, and safety programs. During construction, up to 1,500 workers will be on-site, with operational staffing of approximately 60 personnel on rotating shifts. Water for construction and operations will be hauled to the site from permitted North Slope sources or drawn from a permitted on-site well, while wastewater and solid waste will be collected and transported to approved disposal facilities in Deadhorse. Small volumes of fuel, lubricants, and maintenance chemicals will be stored in double-walled or secondary containment systems consistent with Spill Prevention, Control, and Countermeasure requirements. A comprehensive environmental management plan will address spill prevention, erosion control, tundra protection, and waste management practices.

Construction of the STAK Energy Campus is scheduled to begin in summer 2026, which will include initiating major permitting and procurement of pipeline and power generation modules. STAK anticipates

initial operations to begin by late 2028. The project will be constructed in phases, beginning with site preparation and gravel road and pad development, followed by installation of a natural gas pipeline, utilities, power generation systems, and HPC modules. The project has been designed to minimize environmental disturbance by confining activity to the pad area, selecting a site with minimal waterbody and wetland disturbance, utilizing existing transportation infrastructure, and adhering to all environmental protection requirements. At the end of its operational life, all structures and equipment will be removed, and the site will be regraded and revegetated in accordance with DNR reclamation standards. The project's design emphasizes long-term environmental stewardship, safety, and the responsible use of Alaska's natural gas resources to support critical digital infrastructure.

2. PURPOSE AND NEED

The purpose of the project is to establish a high-efficiency, industrial-scale energy campus designed to leverage locally available natural gas for reliable, lower-carbon electricity generation. By integrating on-site gas-fired power generation with modular computing infrastructure, the project will create a stable, year-round digital and industrial energy campus on the North Slope. It will support cloud computing, artificial intelligence training, and other associated data operations currently utilized by existing North Slope oil and gas producers. This project will provide direct economic activity and employment in one of Alaska's most remote and infrastructure-ready industrial corridors. Additional benefits from the project could include provision of power to nearby oil and gas operators that will maximize efficiency and minimize environmental impacts from industrial development in the area. Site considerations included proximity to approved gravel material sites, suitability of terrain and proximity to energy sources.

3. PROJECT LOCATION

3.1 LEGAL DESCRIPTION

This application includes five supporting maps (labeled Maps 1-5), providing regional geographic context, proposed pad and road locations, and cross-section views of both the road and pad. STAK has conducted a preliminary title examination, which confirmed that no encumbrances or other title defects impact the access road or the proposed project site.

The proposed pad footprint is located:

- Umiat Meridian,
  - Township 006 N, Range 013 E, Sections 02 and 03
  - Township 007 N, Range 013 E, and Section 34
- Latitude and Longitude:
  - NE Corner: 69.922571° N, 148.849662° W
  - NW Corner: 69.919802° N, 148.882198° W
  - SW Corner: 69.901940° N, 148.869318° W
  - SE Corner: 69.904707° N, 148.836807° W
- The center of the pad location is approximately 26 road-miles south of Deadhorse, located on the west side of AGDC ROW, TAPS, and the Dalton Highway.

The proposed access road footprint is located:

- Umiat Meridian,
  - Township 006 N, Range 013 E, Sections 02, 11, and 12

- Latitude and longitude:
  - Begins: 69.905261° N, 148.840889° W
  - Curve 1 Begins (1500' radius): 69.604092° N, 148.840049° W
  - Curve 1 Ends: 69.901243° N, 148.832697° W
  - Curve 2 Begins (2000' radius): 69.898585° N, 148.812291° W
  - Curve 2 Ends: 69.894878° N, 148.802567° W
  - Curve 3 Begins (500' radius): 69.890023° N, 148.798818° W
  - Curve 3 Ends: 69.889054° N, 148.793956° W
  - End Alignment: 69.889338° N, 148.790861° W

3.2 EXISTING LEASES AND PERMITS

Great Bear Pantheon is the lessee for the following State of Alaska oil & gas leases in the project vicinity, ADLs 394098, 394099 and 391704. STAK provided Great Bear Pantheon's Letter of Non-Objection to the Division on December 23, 2025.

The proposed access road crosses the AGDC ROW, MO 1162A03, adjacent to the Dalton Highway.

3.3 EXISTING IMPROVEMENTS ON LAND

The existing site is unimproved. The proposed 1.8-mile access road begins at the Dalton Highway ROW and crosses the AGDC ROW.

3.4 ADJACENT PROPERTIES

Lands adjacent to the proposed pad are all owned by the State of Alaska. The AGDC and Dalton Highway ROWs are adjacent to the project access road.

4. PROJECT DESCRIPTION

4.1 PLANNED IMPROVEMENTS

The project includes construction of a 500-acre gravel fill pad and associated access road. Impacted area and estimated quantities are included in Table 1. The pad will host modular HPC buildings, operations and maintenance buildings, and the supporting utilities required for power generation and communications. Final facility layouts will be developed as part of detailed design; however, a schematic layout is included in this application to communicate the project's intent.

The project will include an on-site natural gas generation system that will provide approximately 1 GW of power and will be supplied from one or more newly constructed natural gas pipeline(s). Gas pipeline planning is underway with potential connections to producing gas fields within 25 to 90 miles of the site and/or the developing oil and gas prospects in the immediate vicinity of the pad. STAK is working with its pipeline contractor to finalize the pipeline route(s). A gas treatment and compression system may also be installed.

Backup diesel generators will provide redundancy during maintenance or gas supply interruptions. Each modular HPC building will be designed for cold-region efficiency, taking advantage of the North Slope's ambient temperatures for cooling. The facility will include advanced power distribution systems, fiber-optic communication links, and monitoring equipment to ensure stable operation. A dedicated operation and control building will support around-the-clock staff overseeing STAK Energy Campus systems, power generation, and safety programs.

Table 1. Total impacted acreage

Component	Surface Area (acres)	Approx. Project Footprint and Maintenance Buffers (acres)	Lease Area (acres)	Approx. Fill Volume (cubic yards)
STAK Pad	500.2	554.8	651.7	7,000,000
Access Road	5.4	17.3	63.7	100,000
Total	505.6	572.1	715.4	7,100,100

A discharge of approximately 7,100,000 cubic yards of gravel fill material will occur within the 715.4-acre lease area. The depth of the fill will vary over the site due to topography, but will average approximately eight feet thick, with a five-foot minimum thickness.

4.2 METHODS OF CONSTRUCTION

Construction activities will occur year-round. Gravel placement will occur in both summer and winter seasons. For construction activities which involve ground disturbance in the summer, site preparation will be conducted and will include staking and flagging the site and laying geo-textile fabric under a thin layer of gravel as soon as practicable to deter nesting of migratory birds. The remainder of gravel fill placement will commence after the end of the migratory bird nesting window, per consultation with U.S. Fish and Wildlife Service. Gravel fill will be mechanically compacted to expedite the consolidation process.

STAK anticipates the use of equipment listed in Table 2. during construction of the gravel pad and side slopes.

Table 2. List of Equipment

Equipment
Max Haul Units
CAT Loader
Motor Grader
CAT Vibratory Roller
D-10 Dozer
CAT D-9 Dozer
CAT D-5 Dozer
CAT 345 Excavator
T-800 Tractor
Low Boy Trailer
Mechanic Truck
Fuel Truck
Tire Truck
Crew Bus
Pickup
Envirovac
Light Plant

4.3 PROJECT SCHEDULE

Construction and major permitting is planned to begin during the summer 2026 season. Construction of the gravel pad and infrastructure will be completed by the middle of 2028.

4.4 ESTIMATED VALUE OF PLANNED IMPROVEMENTS

STAK anticipates spending approximately $500 million on site evaluation and preparation, site engineering, gravel road and pad construction and initial camp and support infrastructure.

5. DEVELOPMENT PLAN

5.1 TERRAIN/GROUND COVER

The proposed pad footprint is situated on State of Alaska owned lands. The pad surface is approximately 500 acres in area and has sloping terrain with approximately 10 feet of fall across the pad footprint. It is located on the uplands above a relic channel of the Sag River, which the access road crosses at approximately 6 feet lower elevation than the existing ground at the pad site.

Similar to the geography of much of the North Slope, the proposed pad will be developed on a relatively flat portion of open tundra. Vegetation at the proposed site includes sedges, forbs, grasses, and dwarf shrubs.

High quality waterways, such as lakes, ponds, or rivers, will not be disturbed.

STAK anticipates using gravel from the state *65-9-099-2 Mine Site* at MP390 in close proximity to the project site and will have all necessary agreements for use of this gravel in place prior to construction. Use of additional gravel sources may be required and will be evaluated as the project progresses.

5.2 ACCESS

Access will be via the Dalton Highway. The 1.8-mile gravel access road will connect to the Dalton Highway at mile post 390. Access to the MP390 gravel source will utilize the existing gravel road. If the use of an additional mine site is required, it is anticipated that a winter ice road will be constructed from that proposed mine to the project site. This will allow for use of off-highway construction equipment and mitigate impacts on the Dalton Highway.

Construction crews will stay in Deadhorse and commute to the work site via passenger trucks and/or buses daily.

5.3 BUILDINGS AND OTHER INFRASTRUCTURE

Facilities such as power generation are planned to be pile-supported. Facilities such as computer server buildings are planned to be pile-supported or installed on insulated and refrigerated foundation systems.

Proposed buildings and infrastructure include:

- Power generation turbines, engines, and associated enclosures
- Cooling center, battery, and capacitor arrays
- Electrical distribution substation
- Modular natural gas generators and backup power
- Backup liquid fuel tanks
- Control center
- HPC buildings

- Camp facilities and utility buildings

5.4 WASTE TYPES, WASTE SOURCES, AND DISPOSAL METHODS

The project construction and operation phases are designed to minimize waste generation, and all waste streams will be disposed of at an approved site in accordance with local, state and federal regulations. Garbage, trash, and other waste will be stored in covered containers and disposed of at an approved site in accordance with local, state, and federal regulations. All waste will be put in containers and clearly labeled with its contents.

A SWPPP will be developed for any summer construction activities requiring ground disturbance greater than one acre.

5.5 HAZARDOUS SUBSTANCES

The facility will utilize natural gas delivered via pipeline for power generation, with individual supply lines to each gas turbine. In order to supply power generation with capacity of approximately 1 GW, natural gas will be transported to and consumed at the site. Natural gas will be received, metered, and regulated at the site in accordance with applicable pipeline safety regulations and standards for integrity and safe operation of gas systems. No long-term bulk storage of natural gas is planned; gas will be consumed as delivered. The facility will maintain process safety information including chemical properties, maximum inventory, and safe operating limits. A process hazard analysis will be conducted prior to construction and operations to identify and mitigate risks of fire, explosion, or uncontrolled release. Diesel fuel inventory will be maintained for backup generators located at each natural gas generating module, each HPC building, the camp facilities, and the control building. Storage tanks will comply with UL 142, and storage and handling will be in accordance with applicable local, state and federal requirements. The generators will be placed within secondary containment.

Spill response supplies (oil absorbents, spill kits) will be available near any fuel or hazardous materials storage and will be properly labeled and accessible at all times. Fuel, engine oil, hydraulic fluid, and antifreeze will be within mobile secondary containment berms. All containers will be clearly labeled as to their contents. Drip pans will be placed under all vehicles and heavy equipment when parked, and secondary containment will be used during refueling events.

Volumes of hazardous substances are expected to be minimal and associated with regular maintenance of equipment only.

Vehicle refueling on site will take place at least 100 feet from the closest water body. Drip pans will be placed under all vehicles and heavy equipment when parked. If a spill of any size occurs, standard spill reporting and mitigation procedures will be followed.

Emergency shutdown systems, fire suppression, and gas detection systems will be integrated into the design. All personnel will receive training on hazardous substances, emergency response, and safe operating procedures. Compliance audits will be performed annually to ensure adherence to PHMSA, EPA, and OSHA requirements.

5.6 POWER SOURCE

Power will be generated using high-efficiency gas turbine units and will meet ADEC air quality requirements. Backup diesel generators will provide redundancy during maintenance or gas supply interruptions. Power will be distributed from the production facility to local infrastructure via dedicated project transmission lines.

5.7 STORAGE TANKS

- Tank location(s)
  - Diesel fuel tanks will support backup generators. Backup generators will be provided for HPC buildings, the camp facilities and control buildings, and the gas turbine generating modules.
- Material(s) stored in tank(s)
  - Diesel
- Tank size (gal) and usage
  - Diesel: Approximately nine tanks with a capacity of 500 gallons each for backup fuel.
- Leak testing and/or detection
  - Diesel tanks will be double wall construction with leak detection between walls.

CONTAMINATION HISTORY

There are no contaminated sites of any status within 10 miles of the proposed pad location within the Alaska Department of Environmental Conservation's (ADEC) Contaminated Sites Database.

5.8 WATER SUPPLY

Potable water in volumes appropriate only for personal consumption by the construction crew will be sourced from commercial sources in Deadhorse and transported to the project site via an Envirovac during construction and facility operation.

Non-potable water may be required during construction. Share agreements and permits will be in place for any water sourced from nearby lakes.

5.9 PARKING AREAS AND STORAGE AREAS

Construction equipment will be staged at the construction contractors' yard in Deadhorse, at the MP390 pit, or on the newly constructed pad as available.

Upon completion of the pad, storage areas will include a laydown yard, a dedicated parking area, snow storage, equipment space, and camp storage. Additional space will provide for safe movement of vehicles, equipment, and pedestrians around the facilities and parking areas located on the pad. Drip pans will be placed under all vehicles and heavy equipment when parked.

5.10 NUMBER OF PEOPLE USING THE SITE

During construction, up to 1,500 workers will be on-site. Post-construction, STAK expects operational staffing of approximately 60 personnel on rotating shifts.

5.11 MAINTENANCE AND OPERATIONS

Maintenance of the site will include grading and plowing the pad, which are common practices on the North Slope, as necessary. Operations are expected to consist of several personnel on site to maintain and operate equipment. Maintenance buffers along the toe of the road and pad are included in the project footprint to contain project impacts within the lease footprint.

5.12 MITIGATION & MINIMIZATION EFFORTS

STAK will implement mitigation and minimization methods as described below.

5.12.1 FUEL AND HAZARDOUS SUBSTANCES

Fuel and other hazardous substances will be stored or transferred within secondary containment. Transfer operations will be attended by trained personnel at all times. Drip pans or other surface liners will be utilized to protect against potential leaks. Appropriate spill response equipment will be on hand during any transfer or handling of fuel or hazardous substances.

All fuel and hazardous substance containers will be marked with the contents. Containers with a total capacity of larger than 55 gallons, which contain fuel or hazardous substances, will not be stored within 100 feet of a waterbody.

The applicant will remove and dispose of any debris (such as soil) contaminated with used motor oil, solvents, or other chemicals that may be classified as hazardous substances in accordance with local, state, and federal laws and regulations.

5.12.2 SPILL NOTIFICATION

ADEC will be notified immediately by telephone, and immediately afterwards by written notice of any unauthorized discharges of oil to water; any discharge of hazardous substances other than oil; and any discharge of oil greater than 55 gallons solely to land and outside an impermeable containment area.

If a discharge of oil is greater than 10 gallons but less than 55 gallons, or a discharge of oil greater than 55 gallons is made to an impermeable secondary containment area, the discharge will be reported within 48 hours, and immediately afterwards by written notice. Any discharge of oil greater than one gallon up to 10 gallons, including a cumulative discharge, solely to land, will be reported in writing on a monthly basis. The posting of information requirements of 18 AAC 75.305 will be met. Scope and Duration of Initial Response Actions (18 AAC 75.310) and reporting requirements of 18 AAC 75, Article 3 also applies.

STAK will immediately notify the Authorized Officer (AO) from Alaska Department of Natural Resources (DNR) of any spill or discharge that is reported to ADEC or of any pollution in the project area.

5.12.3 MARKERS

STAK will protect all survey monuments, witness corners, reference monuments, mining claim posts, bearing trees, and unsurveyed corner posts against damage, destruction, or obliteration. STAK will notify the AO of any damaged, destroyed, or obliterated markers and will reestablish the markers in accordance with accepted survey practices of DNR.

5.12.4 SOLID WASTE

All solid waste and debris generated from the activities conducted at the proposed site will be removed to a facility approved by ADEC. Temporary storage and accumulation of solid waste (prior to its removal) will conform to the following:

a. Solid waste will be stored in a manner that prevents a litter violation under AS 46.06.080;
b. Putrescible waste (material that can decompose and cause obnoxious odors) will be stored in a manner that prevents the attraction of or access to wildlife or disease vectors; and
c. The premises will be maintained free of solid waste that might create a health or safety hazard.

5.12.5 WASTEWATER

Wastewater will be captured on site for transport and disposal in Deadhorse in accordance with ADEC requirements. On-site disposal will be evaluated for feasibility and would comply with ADEC Alaska Pollutant Discharge Elimination System (APDES) regulations.

5.12.6 ALASKA HISTORIC PRESERVATION ACT

The Alaska Historic Preservation Act prohibits the appropriation, excavation, removal, injury, or destruction of any state owned historic, prehistoric, archaeological, or paleontological site without written approval from the DNR Commissioner. Should any sites be discovered, STAK will cease any activities that may cause damage and immediately contact the AO and the Office of History and Archaeology in the Division of Parks and Recreation.

5.13 CLOSURE/RECLAMATION PLAN

A revegetation plan will be developed in consultation with the Department of Natural Resources and United States Army Corps of Engineers. At a minimum, the revegetation plan will address removal and treatment of gravel, types of vegetation to be used, performance standards, and monitoring. STAK will be liable for revegetation or reclamation efforts until all performance standards documented in the revegetation plan have been met.

6. PROJECT AUTHORIZATIONS

STAK will obtain all required local, state, and federal authorizations before project initiation. A list of anticipated permits/authorizations is included in Table 3. All appropriate agreements with neighboring lessees will also be in place prior to the onset of construction.

Table 3. Applicable permits and authorizations for road and pad construction

Agency	Permit/Authorization
U.S. Army Corps of Engineers	• Section 404 Permit
Alaska Department of Environmental Conservation	• Section 401 Certification • Stormwater Pollution Prevention
Alaska Department of Natural Resources	• Material Use Permit • Water Use Authorization
Alaska Department of Fish and Game	• Fish Habitat Permit • North Slope Borough Special Land Use Area Authorization
North Slope Borough	• Development Permit • Traditional Land Use Inventory (TLUI) Clearance