

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
Division of Mining, Land and Water

LAND USE PERMIT APPLICATION

AS 38.05.850

Applicants must complete all sections of this application. In addition, applicants proposing:

- the use of the uplands must also complete the Supplemental Questionnaire for Use of State-Owned Uplands accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of shorelands, tidelands, and submerged lands must also complete the Supplemental Questionnaire for Use of State-Owned Waters accompanying this application.

Other items that must accompany the completed application are:

- a (non-refundable) application fee; see current Director's Fee Order or contact your regional office for applicable fees;
- a topographic map or aerial photo showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application; and
- additional pages if more space is necessary to answer the questions completely.

Completed Land Use Permit Applications should be submitted electronically or mailed to one of the following offices:

Northern Region Land Office
3700 Airport Way
Fairbanks, AK 99709-4699
(907) 451-2740
nro.lands@alaska.gov

Southcentral Region Land Office
550 West 7th Ave, Suite 900C
Anchorage, AK 99501-3577
(907) 269-8503
dnr.scro.permitting@alaska.gov

Southeast Region Land Office
P. O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400
sero@alaska.gov

Statewide TTY – 771 for Alaska Relay or 1-800-770-8973

LAS # 36093

(Applicant please provide if known)

Applicant Information:

Name: Brendan McCrum

Doing Business As: Alaska Earth Sciences

Mailing Address: 12100 Industry Way Unit P-9

Anchorage, AK 99515

Email Address: bmccrum@alaskaeearthsciences.com

Date of Birth: 01/11/1984

Business License #: _____

EIN: 63901D

Contact Person: Brendan McCrum

Home Phone: _____

Work Phone: 9075224664

Cell Phone: 9075224664

Fax: _____

LAS #: _____

If you are applying for a corporation, give the following information:

Name, address and place of incorporation:

Alaska Earth Sciences (AES)
12100 Industry Way Unit P-9
Anchorage, AK 99515

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

If yes, provide name, address and phone number of the resident agent:

DLG SERVICES, INC.
510 L ST STE 700, ANCHORAGE, AK 99501
(907) 258-3224

Type of User (Select One): ☐ Private non-commercial (personal use) ☐ Commercial Recreation or Tourism
☐ Public Non-profit including Federal, State, Municipal Government Agency ☒ Other commercial or industrial

Duration of Project: The proposed activity will require the use of state land for: (Check one)

☐ A single term of less than one year. Beginning month: _____ Ending month: _____
☒ A multi year term for up to 5 years. Beginning year: 2026 Ending year: 2031

If multi year and seasonal, mark months of use in each year.

☐ Jan, ☐ Feb, ☐ Mar, ☐ Apr, ☒ May, ☒ Jun, ☒ Jul, ☒ Aug, ☒ Sept, ☐ Oct, ☐ Nov, ☐ Dec

Project Location:

Latitude/Longitude or UTM: 452880.3644 E, 6930935.0042 N (62.506451N, -153.914888W) or

Section: 21 Township: 28N Range: 25W Meridian: Seward

Section: _____ Township: _____ Range: _____ Meridian: _____

Proposed project will require the use of up to 1 acres.

(Please add additional sheets for this section as necessary)

LAS #: _____

Project Description: Describe in detail your intended use of state land. (State land also includes all tide and submerged lands beneath coastal waters and all shorelands beneath other navigable waterbodies of the state.) Discuss development and activities. (Attach additional pages as necessary.)

We would like to have a location for a seasonal camp for helicopter supported drill programs that will take place on the CIRI - Farewell Tract nearby. The camp would be used between the months of May-September (likely June-August actual fieldwork), but would be left empty and boarded up for the winter. The camp will be up to 15 to 24-people max, including weatherports for sleepers, offices, showers, and core logging. We will also need to utilize a burn barrel, some sort of outhouse/latrine set-up, and minor fuel storage (<1300 gallons within secondary containment). Fuel will be in a mix of steel tanks/bladders, 55gal barrels and 110gal fly tanks. Water use would be under 500 gallons a day and stored in bladders after pumping. We would likely use Sheep Creek as out water source.

Should a portion of the permitted area be closed to the general public? Yes ☒ No ☐ .

If yes, explain which portion and provide justification for exclusive use.

The camp will have equipment and facilities crucial to the exploration of the nearby CIRI-Farewell tract and extremely expensive and difficult to mobilize to site. We would request that groups or individuals not part of Alaska Earth Sciences, or associated with AES on the project, be advised to keep out of the selected camp site.

Site Description: Briefly describe the current condition of the proposed site of use, noting any trash, garbage, debris or signs of possible site contamination. (If significant, we recommend you provide pictures to establish initial conditions.)

The selected site is adjacent a previously establish track between drainages on a sparse to moderately veged area. The site was picked for it sparse vegetaion and rocky looking ground material. Minimal clearing will be performed; I have no pictures of the location other than satellite imagery from ArcGIS and Google Earth.

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Are there improvements or materials on the site now? Yes ☐ No ☒ If yes, briefly describe the improvements, their approximate value, and who owns them. (We recommend you provide pictures of improvements.)

Describe the natural vegetation – ground cover, trees, shrubs – and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.

The ground is mostly shrubs and bushes with a small number of trees. We would just need to clear walking paths from the preisting trail to the camp and between tents. The tents (weatherports) would be assembled on top of wooden platforms, so only footers for the wood base would distrub the ground.

Site Access: Describe how you plan to access the site, and your mode of transportation.

The site would be accessed along a pre-existing trail from the nearby Farewell Airport.

If your access is by aircraft, specify the type and size of aircraft:

Charter flights into the farewell airport would be used for supplies and crew. Transport to camp would include either helicopter lifts and/or 4wheeler transport along the trail.

To access the site, the aircraft is equipped with floats ☐ wheels ☒ skis ☐.

Number of people:

1. Indicate the number of employees and supervisors who will be working on the site. <24
2. Indicate the number of customers who will be using the site per year or season. 0
3. Indicate the number of days the site will be used per year or season. <153

LAS #: _____

Environmental Risk / Hazardous Substances: In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons?

Yes ☒ No ☐ . If yes, please describe:

There will be petroleum based products used for the drill rig, and likely some for the helicopter and camp maintenance. All this material will be contained, bagged (and/or placed in large plastic totes) and flown out to Anchorage during and at the end of the seasonal work for proper disposal.

The types and volumes of fuel or other hazardous substances present or proposed:

The drill rig, helicopter and camp generators all run off Jet-A/Diesel fuel, with some minor needs for gasoline. Some oil and hydraulic fluid for the equipment will be stored, wrapped on pallets and elevated off the ground.

The specific storage location(s):

Fuel containment will be on platforms and pallets adjacent to the pre-existing trail at the access point of our camp (western edge), limiting the need to transport it from the trail across the vegetation. Fuel storage will be a minimum of 3500' from the Sheep Creek.

The spill plan and prevention methods:

Spill kits will be placed near all equipment, and fuel storage sites. Secondary containment will utilize collapsable duck ponds and/or bermed CoolThane L-1023 liners, polyurethane-coated geomembrane explicitly engineered for both primary and secondary fuel containment. All secondary containment will have a 110% capacity of the stored fuel will be used as well. The camp manager will have multiple daily inspections of the fuel storage and generators at camp. The drill team and helicopter mechanic will be monitoring their equipment and petroleum project storages daily as well. Pre-inspections for faults, damage, wear, etc., will be performed prior to any equipment servicing or fuel transport.

If you plan to use either above or below ground storage containers (like tanks, drums, or other containers) for hazardous material storage, answer the following questions for each container:

Where will the container be located?

Wooden platforms at the camp access point along the pre-existing trail to store a mix of steel tanks or bladders, 55gal drums, and 110gal fly tanks.

What will be stored in the container?

The containers will be dominantly Jet-A fuel, with minor gasoline and potentially diesel (typically we can avoid diesel by bringing additives for the Jer-A and simply using that fuel type).

What will be the container's size in gallons? Larger tanks will be 500-1000 gallons (depending on availability and weight)

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Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration:

All fuel storage will have secondary containment with a 110% capacity, utilizing duck ponds or liners made of heavy-duty, chemical-resistant materials like 18-22 oz. PVC-coated polyester or polyurethane. These will be checked multiple times a day, any signs of leaks from the storage into the secondary containers will be immediately cleaned with available spill kits

Will the container be tested for leaks? Yes ☒ No ☐.

Will the container be equipped with leak detection devices? Yes ☐ No ☒. If no, describe:

The high volume of fuel use for this project will already place individuals at the fuel storage sites numerous times a day. There will be ample opportunities to identify any issues with spills/leaks and perform corretive measures.

Do you have any reason to suspect, or do you know if the site may have been previously contaminated?

Yes ☐ No ☒. If yes, please explain:

Brendan McCrum

Senior Geologist

6/8/2026

Signature of Applicant or Authorized Representative

Title

Date

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. 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, AS 43.05.230, or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, 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.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

For Department Use Only
Application received date stamp

Receipt Type: ☐ 7A ☐ RR ☐ FF

LAS #: _____

LAND USE PERMIT APPLICATION SUPPLEMENTAL QUESTIONNAIRE FOR: Off Road Travel

Answer the following questions if your proposed activity includes off-road travel:

Terrain: Check the following terrain type(s) that best describes your route of travel:

- ☐ Wetlands
- ☒ Open, non-tundra or wetland areas
- ☐ Rivers or other waterbodies
- ☐ Wooded areas with trees of 6" or greater diameter (at breast height)
- ☐ Tundra areas

Vehicles and Weight: List the number and kinds of vehicles to be used for motorized travel, the weight of each vehicle and the weight of each trailer or sled (including loaded weight) to be carried by that vehicle:

1-2 fourwheelers (550-650 lbs each), likely with steel or aluminum trailers for hauling gear will be utilized on pre-existing tracks to move people and gear from the Farwell Airport to the planned camp site.

1 full size skidsteer (~^{10,000}~~1000~~ lbs) will be used for mobilizing and demobilizing of material from freight planes. This will also follow the pre-existing track.

Fuel will be slung by the helicopter from the airport to camp, not driven down the road.

Mileage:

- State the average total miles traveled in one round trip: 0.5
- State the number of trips proposed: 50

Season: Proposed date(s) of travel will be: From: May To: September

Stream and Waterbody Crossings: Note who you contacted in the ADF&G, Division of Habitat:

Date: _____ Person: _____

Fuel and Hazardous Substance Factor: The volume of fuel and hazardous substances to be used is the total volume in gallons to be carried on one vehicle and any trailers or sleds that vehicle is towing.

- Maximum volume of fuel (in gallons) that is being transported by one vehicle and any trailers or sleds it is towing: _____ gallons.
- Hazardous substances other than fuel:

Substance: _____

Substance: _____

LAS # _____

- Do you have an Oil Discharge Prevention and Contingency Plan approved by the Alaska Department of Environmental Conservation? Yes ☐ No ☒
 - Do you have either a trained spill response team or a contract with a spill response company? Yes ☒ No ☐
-

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LAND USE PERMIT APPLICATION SUPPLEMENTAL QUESTIONNAIRE FOR: Use of State-Owned Uplands

To be completed to provide more detailed information about projects or activities requiring the use of state-owned uplands. All site development details identified in this section must be represented graphically in the scaled drawings on Page 6 of the supplement.

Temporary Structures

1) Describe all temporary improvements (including buildings, tent platforms, out-buildings, docks, floats, and floating facilities), including dimensions and building materials. **2)** Label improvements to be maintained on a year round basis as year round. **Note:** Seasonal improvements must be completely dismantled and removed or stored on or before the end of authorized terms of use.

16x40' kitchen, 16x40' Laundry/shower tent, 4x 12x10' sleepers, 3x 12x20' sleepers, 12x20' logging tent, 12x20' office, 12x20' dry tent, 2x outhouses, 4-6 10x10' wooden decks for fuel storage. Depending on DNR guidelines and camp crew observations, tents may be dismantled and stored on site, rather than left up and boarded for the winter, to preserve the material from wildlife and the elements.

Distance structures including pit privies will be located from the ordinary highwater mark of the nearest freshwater body (lake, stream, river, etc.), or the mean high water mark of a saltwater body: 3500'

Harvest of Non-Timber Related Forest Products

Please list the type and quantity of each non-timber related forest product (berries, ferns, willow, mushrooms, birch bark, etc.) to be harvested for commercial use:

No wood will be harvest, all lumber will be purchased and flown in

Contact the DNR Division of Forestry to obtain authorizations for the harvest of small trees.

Motorized Equipment

List mechanized/motorized equipment to be used, including type, size, purpose, and number of each.

A drill rig (small, discovery style rig) will be present, but never stationed at the requested camp site (on CIRI ground to southeast from Farewell Airport). A helicopter (A-star B-3) will be utilized but very likely parked at the Farewell Airport. A fourwheeler and potential trailer attachment if available for transport to and from the airport. No stream crossing are required for access.

For stream and waterbody crossings, note who you contacted in the ADF&G, Division of Habitat:

Date: _____ Person: _____

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Storage and Parking

If you plan to store items or park boats, vehicles and/or heavy equipment on the site, complete the following:

Describe and give dimensions of long term and short-term parking and or storage areas:

If the camp is dismantled, rather than left standing, tent and material will be put back into the wooden palletized boxes they were shipped on and stored on top of the wooden floors/deck assembled for the tents. This would keep everything off of the tundra and on a flat/elevated surface.

Is parking and storage planned to take place on filled tidelands? Yes ☐ No ☒

Does storage involve structures or materials floating in a waterbody? Yes ☐ No ☒

If yes, please complete the Supplemental Questionnaire for the Use of State-Owned Waters (Shorelands, Tidelands & Submerged Lands).

Number of disassembled tent frames 12 Number of tent platforms 12

List and describe items that are large and difficult to transport. Include dimensions:

The camp will be powered by a 14kw Shindaiwa Diesel Generator (1665 lbs) and a second one will be present as a back up. A High Pressure water pump will also be utilized (115lbs), and a second for back up.

Will barrel(s) or an equivalent type of container be used? Yes ☒ No ☐

If using something other than barrels for storage containers, describe the alternative container.

Large wooden boxes used to palletize and ship the camp gear to site. The boxes are completely enclosed using plywood and timber locks. Fish totes may be utilized with ratchet straps to secure them if extra storage is needed.

Describe any measures you plan to take to minimize drips or spills from leaking vehicles or equipment.

Pre-field inspections, daily inspections in the field, and spare parts to replace leaking fixtures.

LAS # _____

Water / Wastewater

Water Supply: Describe the water supply and proposed use.

Water will be pulled from Sheep Creek into bladders for treatment and use in the kitchen, laundry and shower room. A water pump will be placed near the creek with an inlet hose in the water and a long hose for delivery to camp. The bladders will be topped off frequently to ensure ample water is available if equipment fails and to provide constant inspection of the pump/hose set-up near the creek. Drinking water will be flown in.

Wastewater: Describe the wastewater type and quantity and proposed method of wastewater disposal: (for the marine environment, also describe the proposed gray and black water systems or out fall pipeline.

Wastewater will be mostly grey water from laundry, showers and cleaning in the kitchen. This will be filtered and pumped away from camp into the surrounding uplands to settle into the ground. Water usage will vary, but likely in the order of 300-400 gallons a day.

Waste: Describe the types of waste that will be generated on-site, including solid waste, the source of the waste, and the method of waste disposal, i.e. pit privy, or self-contained system, or outfall line; indicate distance from the nearest waterbody.

The nearest waterbody to all camp activities is 3500'. Solid waste from food will be the most common, and will be incinerated then put in a pit privy. Petroleum based waste will be bagged and flown out of camp to Anchorage for appropriate disposal.

Animal Use

Will there be any use of animals (horses, llamas, dogs, etc.)? Yes ☐ No ☒

Will there be commercial use of the animals (horseback rides, packing, dog sled rides, etc.)? Yes ☐ No ☒

If yes, please explain:

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Dismantle, Removal, Restoration Plan

Provide a plan for dismantling and removing temporary structures. Include method and timeline for total site restoration:

Breakdown of the camp will likely take 1 week. The material and equipment will all be boxed/palletized. The skid steer and helicopter will help bring the items to the airport for pick up by freight plane (most likely multiple HERC C130s from Lynden).

Short Term (Portable) Commercial Recreation Camps

Identify commercial recreation activity/activities for which short term (portable) camps will be established to accommodate employees and clients, and provide a general description of the location(s) (e.g. guide use area, game management sub-unit, river, stream, lake, etc.) where the recreational activity/activities and short term (portable) camp use will occur.

☐ **Big Game Guiding (List up to 3 Guide Use Areas).**

☐ **Sportfishing (List river corridors, lakes, etc.).**

☐ **Boating/Rafting/Kayaking (List river corridors, lakes, etc.).**

☐ Other Recreation (Type and general geographic description).

Identify any State of Alaska Refuge, Sanctuary and/or Critical Habitat Area where short term (portable) camps will be used.

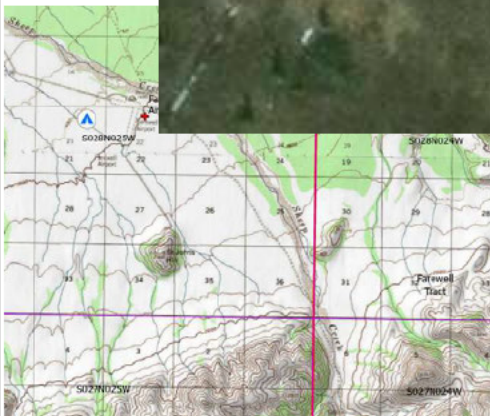
Will activities include "day use" of state land managed under the Haines State Forest Management Plan? Yes ☐ No ☒

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LAS # _____

Site Development Diagram



Date Prepared: 6/8/26	Applicant's Name: Brendan McCrum
Alaska Department of Natural Resources Division of Mining, Land & Water Land Use Permit	
Site Development Diagram	
Sec(s) <u>21</u> <u>T 28</u> <u>R 25</u> <u>M S</u>	
Sheet 1 of 1	LAS #