

**STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER**

MILLSITE PERMIT APPLICATION

AS 38.05.255

Receipt Types: 44 – Application Fee

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

- the use of the uplands and non marine waters must also complete the Supplemental Questionnaire for Use of Uplands and Non Marine Waters accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of tide and submerged lands must also complete the Supplemental Questionnaire for Use of Marine Waters accompanying this application.

Other items that must accompany the completed application are:

- a **(non-refundable) application fee**; see current Director's Fee Order for applicable fees;
- a 1:250,000 or 1:63,360 scale USGS map 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 Millsite Permit Application should be mailed to the following office:

	Department of Natural Resources Division of Mining, Land & Water 550 W. 7th Avenue, Suite 900B Anchorage, AK 99501-3577	
	LAS # (to be assigned by DNR)	233521
Applicant Information:		
Applicant Name Teck Alaska Incorporated		2/11/13
Doing Business As Red Dog Mine	Contact Person Chris Eckert	EIN 91-1170390
Mailing Address with City, State and Zip 3105 Lakeshore Drive, Building A, Suite 101, Anchorage, AK 99517		Email Address
() Home Phone	(907) 754-5139 Work Phone	() Cell Phone
() FAX		
If you are applying for a corporation, give the following information:		
Name, address and place of incorporation: <u>Teck Alaska Incorporated, 3105 Lakeshore Drive, Building A, Suite 101</u> <u>Anchorage, Alaska 99517</u>		
Is the corporation qualified to do business in Alaska? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> . If yes, provide name, address and phone number of resident agent: _____		

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 current site is partially impacted by disturbance related to development of a material site ("DD-2" material site).
Portions of the site are also crossed by existing storm water diversion ditches.
The remainder of the site remains in a natural state.

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.

Natural vegetation consists of willow and alder bushes, tundra lichen and moss. There are no trees in the area.
There is limited wetlands in the bottom of the streams. Dredge or fill activities to any jurisdictional wetlands will be permitted in a process separate from the millsite lease application.

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

The site is accessible via existing Red Dog Mine roads

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

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

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:

Activities will include storage of Red Dog Mine tailings. These tailings contain elevated concentrations of Zn, Pb, Cd and other metals. The tailings are capable of generating acid rock drainage. However the tailings disposal and storage is already permitted under State of Alaska Integrated Waste Management Permit No.2016DB0002

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

At the time of this application the man-made depression in the proposed lease are can store approximately 72 million gallons of tailings and water. The volume of stored tailings could increase over time.

The specific storage location(s): Generally within the lower relief areas coincident with material site DD-2

The spill plan and prevention methods: All tailings will be confined within the tailings impoundment created by natural topography, and the main and back dams. The dams are operated under the terms of Certificates to Operate Dams issued by ADNR/Dam Safety Unit. The entire tailings facility also operates under the terms of the State of Alaska Integrated Waste Management Permit No. 2016DB0002.

Environmental Risk/Hazardous Substances (continued) - 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? n/a

What will be stored in the container? _____

What will be the container's size in gallons? _____

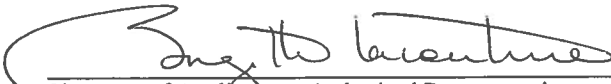
Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration: _____

Will the container be tested for leaks? Yes No

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

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: _____

Date Stamp:


Signature of Applicant or Authorized Representative

OPERATING SUPERINTENDENT, CONCENTRATOR
Title

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 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.

**Land Use Permit Application Supplemental Questionnaire for:
Use of Uplands and Non Marine Waters**

To be completed to provide more detailed information about projects or activities requiring the use of state-owned uplands and non-marine waters. All site development details identified in this section must be represented graphically in the scaled drawings on Page 4 of the supplement.

Temporary Structures – 1) Describe all temporary improvements (including buildings, tent platforms, out-buildings, docks, floats, and floating facilities), including their dimensions and building materials.

n/a

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: _____

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:

n/a

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.

Motorized equipment may include pickup trucks for movement of personnel and equipment,

Pumps rated up to 2,500 gpm used for pumping of water or tailings slurry.

General mining equipment; dozers, excavators, haul trucks for material movement and placement.

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

Describe and give dimensions of long term and short term parking and or storage areas. n/a

Is parking or storage planned to take place on filled tidelands. Yes [] No []

Does storage involve structures or materials floating in a waterbody? Yes [] No [] If yes, describe. _____

Storage and Parking (continued)

Number of disassembled tent frames _____

Number of tent platforms _____

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

n/a

Will barrel(s) or an equivalent type of storage container be used? Yes [] No [] If using something other than barrels for storage containers, describe the alternative container.

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

Red Dog Mine operates under a SPCC Plan that addresses spill prevention, control and countermeasures

Please refer to that plan for details.

Water / Wastewater

Water Supply – Describe the water supply and proposed use. _____ n/a

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.

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.

No waste will be generated on site. Tailings will be stored on site. The site will include expanded areas of the mine tailings management facility.

Animal Use

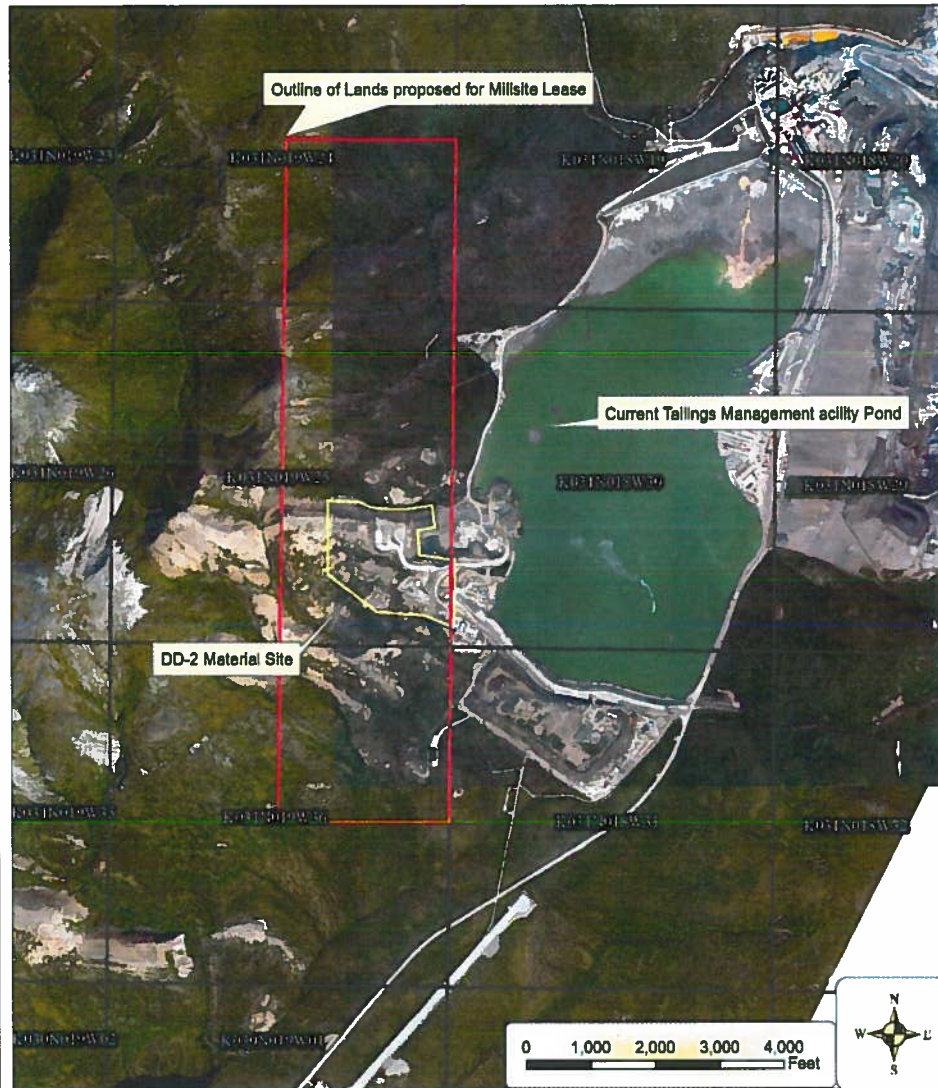
Will there be any use of animals (horses, llamas, dogs, etc.)? Yes | No

Will there be commercial use of the animals (horseback rides, packing, dog sled rides, etc.)? Yes | No | If yes, please explain:

Dismantle, Removal, Restoration Plan – Provide a plan for dismantling and removing temporary structures. Include method and timeline for total site restoration:

Restoration of any surface disturbance on the proposed millsite lease will be addressed in an update to the Red Dog Mine Reclamation Plan.

Site Development Diagram



VICINITY MAP

Date Prepared:	Applicant's Name:
December , 2019	Teck Alaska Incorporated
ALASKA DEPARTMENT OF NATURAL RESOURCES DIV. OF MINING, LAND , WATER MILLSITE PERMIT	
SITE DEVELOPMENT DIAGRAM	
Sec.(s) <u>24, 25</u> T. <u>31N</u> , R. <u>19W</u> , Kateel RM	
SHEET 1 OF 1	

LAS #