

March 22, 2022

Mr. Mason Mantla
Chairperson
Wek'èezhii Land and Water Board
#1, 4905-48th Street
Yellowknife, NT
X1A 3S3

RE: Land Use Permit Renewal for Lynx Waste Rock Storage Area - Request for a 5-Year Term

Arctic Canadian Diamond Company Ltd. (Arctic) is pleased to submit the attached Land Use Permit application for the Lynx Waste Rock Storage Area (WRSA) at the Ekati Diamond Mine. This renewal application will be for a 5-year term, and the new LUP will replace [W2015D0005](#) which is set to expire on June 4, 2022. Arctic is applying for a preliminary screening exemption because the project has not been modified and no changes are being proposed for the Land Use Permit.

Activities at the Lynx WRSA currently permitted by W2015D0005 are:

- a) construction of a waste rock pile;
- b) construction of a temporary kimberlite ore storage pad;
- c) construction of a crusher pad;
- d) construction of a road connecting Misery Haul Road to the Winter access road;
- e) storage of granite waste rock and temporary storage of kimberlite ore;
- f) storage of fuel; and.
- g) storage of equipment to support operations.

The current Lynx WRSA LUP, W2015D0005, has been in place since June 2015 and was extended for two years in April 2020. Full development of the Lynx pit has occurred, including construction of the necessary site roads and infrastructure to facilitate extraction of waste rock and ore. Open pit mining and production of Lynx Pit was completed in early 2019 and placement of new Lynx waste rock in the Lynx WRSA has ceased.

Please forward any comments or concerns to the undersigned at dustin.chaffee@arcticcanadian.ca.

Sincerely,



Dustin Chaffee
Regulatory Applications Manager

Record #: HSE RCD ENV 1652
Document Owner: Environment Department
Date: 01-Mar-2022

Land and Water Boards of the Mackenzie Valley



LAND USE PERMIT APPLICATION FORM

Subsection 19(2) and Schedule 2 of the [Mackenzie Valley Land Use Regulations](#)

Use an "X" to indicate which Board the Application is being made to:	Mackenzie Valley Land and Water Board:		Sahtu Land and Water Board:	
	Wek'èezhii Land and Water Board:	X	Gwich'in Land and Water Board:	

To complete this Form, please refer to the MVLWB [Guide to the Land Use Permitting Process](#) (Guide) and fill in the grey fields; attach additional pages, as necessary. Indicate N/A in the grey fields for Items or parts of Items that are not applicable. Review the following MVLWB guidance for formatting your Application Package:

- [Document Submission Standards](#)
- [Standard Outline for Management Plans](#)

If applicable, provide the existing or current Land Use Permit file number:	W2015D0005		
Use an "X" to indicate if this Application is accompanied by an Application for a Water Licence:	Water Licence – in a non-federal area:		
	Water Licence – in a federal area:		

1. NAME AND CONTACT INFORMATION – APPLICANT

Applicant's Name:	Arctic Canadian Diamond Company Ltd. / Dustin Chaffee		
Position:	Superintendent Environment		
Mailing Address:	900-606 4 Street SW		
Community:	Calgary	Telephone:	(403) 910-1933
Prov/Terr:	AB	Email:	Dustin.chaffee@arcticcanadian.ca
Postal Code:	T2P 1T1	Other:	

2. NAME AND CONTACT INFORMATION – APPLICANT'S HEAD OFFICE

Include a Certificate of Corporate Registration from the Government of the Northwest Territories in your Application Package.

Use an "X" to indicate if this information is the same as Item 1 above:	X
Name:	

Position:			
Mailing Address:			
Community:			
Prov/Terr:		Telephone:	
Postal Code:		Email:	
Field Supervisor:		Other:	

3. NAME AND CONTACT INFORMATION – CONTRACTORS AND SUB-CONTRACTORS

Include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and sub-contractor.

Name:	-		
Position:			
Company Name:			
Mailing Address:			
Community:		Telephone:	
Prov/Terr:		Email:	
Postal Code:		Other:	

4. LOCATION OF ACTIVITIES

Use the grey fields below to provide or reference the following information:

Maps and Geographic Information System (GIS) Data: Include a map in your Application Package identifying local geographic features, watercourses and water sources, project structures, and location(s) of any proposed waste deposits. Provide geographic coordinates (latitude and longitude) of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Include GIS data in your Application Package, if applicable. Refer to the MVLWB [Guideline for Geographic Information Systems \(GIS\) Submission Standard](#) for providing geographic information.

An overview map is attached to this application. A more detailed map can be found as part of the original project application at this [link](#).

Data files can be found on the Public Registry at this [link](#).

Minimum latitude:	64° 34'	Maximum latitude:	64° 35'
Minimum longitude:	110° 12'	Maximum longitude:	110° 14'

NTS Map Sheet No.: Provide the map sheet number:

Land Types: Use an "X" to indicate the type(s) of the land on which the activities are proposed:

Free Hold/ Private:	<input type="checkbox"/>	Commissioner's/ Territorial Lands:	<input checked="" type="checkbox"/>	Federal Land:	<input type="checkbox"/>	Municipal Land:	<input type="checkbox"/>
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5. ELIGIBILITY

Refer to section 18 of the [Mackenzie Valley Land Use Regulations](#). Use an "X" to indicate which one applies:

18(a)(i):	<input checked="" type="checkbox"/>	18(a)(ii):	<input type="checkbox"/>	18(a)(iii):	<input type="checkbox"/>	18(b):	<input type="checkbox"/>
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6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY

Contact federal, territorial, and Indigenous governments and other parties to ensure all appropriate rights, authorizations, permissions, dispositions, and contracts have been obtained or are in the process of being obtained (e.g. mineral exploration rights, quarry permits, licences of occupation, leases, access agreements and authorizations, etc.). List and provide confirmation of other authorizations that relate to your activities; reference these in your Application Package (e.g. rights, permits, licences, etc.).

- 281 Crown Mineral Leases all in good standing
- Various Surface Leases for the Ekati Diamond Mine (administered by the GNWT)
- Prospector’s Licence #N34704
- Water Licence W2020L2-0004
- Various Management Plans, policies, and procedures that include the activities as applied for under this LUP application
- Previously issued Land Use Permit W2015D0005 (expires June 4, 2022) for these activities
- Ekati Mine Engagement Plan

7. PERMIT TYPE AND CRITERIA

Refer to sections 4 and 5 of the [Mackenzie Valley Land Use Regulations](#). Use an “X” to indicate which permitting criteria apply:

Type A				Type B				Type C	
4(a)(i):	X	4(b)(i):	X	5(a)(i):		5(b)(i):		(SLWB and WLWB only):	
4(a)(ii):	X	4(b)(ii):	X	5(a)(ii):		5(b)(ii):			
4(a)(iii):	X	4(b)(iii):	X	5(a)(iii):					
4(a)(iv):	X	4(b)(iv):	X	5(a)(iv):					
4(a)(v):	X			5(a)(v):					
				5(a)(vi):					

8. PROJECT DESCRIPTION

Include your project description in your Application Package, or for small-scale projects, describe your proposed activities in the grey field provided below. Include the name and type (e.g., lake, river) of water source(s), and the purpose and quantity of water to be used (rates, volumes (m³/day)). Indicate the total number of hectares to be used in each phase of the project, as well as through the life of the project.

The full project description was submitted as part of the original LUP application for the Lynx Waste Rock Storage Area (WRSA). The April 2015 document can be found [here](#) on the Board Registry. Project Description is covered in detail in Section 5.

9. CAMP

Describe the proposed camp size and layout. Indicate the number of person-days; explain, with rationale, any variations in the number of people that may be on site over the life of the project.

As stated in Section 5(b) of the original September 2015 LUP application for the Lynx WRSA, found [here](#), a permanent camp was not set up at the Lynx WRSA site. The existing Misery Camp is used, and employees are transported to the area if necessary.

10. ROADS AND ACCESSES

Provide detailed information about the construction, location, and decommissioning of any roads and accesses.

Use an "X" to indicate if this is to be a pioneered road or access:	Yes		Use an "X" to indicate if the route has been laid out or ground-truthed:	Yes	
	No	X		No	X

The Lynx WRSA was accessed using the existing Winter Road access road.

11. PROPOSED WASTE MANAGEMENT METHODS

Use the grey fields below to provide or reference the following information:

Waste Management Plan: Include your Waste Management Plan in your Application Package, if applicable, or for small-scale projects, describe your proposed waste management activities in the grey fields provided below. A template for the Plan can be found in the MVLWB [Guidelines for Developing a Waste Management Plan](#).

The Ekati Diamond Mine has a [Waste Management Plan](#) which can be found on the Board Registry. Waste Management methods listed in the table below are applicable across the Ekati Diamond Mine, however it should be noted that no further waste will be generated specifically at the Lynx WRSA.

At this time Arctic Canadian Diamond Company Ltd. (Arctic) cannot provide written confirmation from offsite facilities that waste will be accepted. Arctic does not use offsite municipal facilities for waste disposal; Arctic contracts professional waste management companies for offsite management and disposal of waste generated at Ekati. These contracts contain the agreement to receive and manage waste from Ekati. However, these contracts between companies are not part of public review and nor is it appropriate for these contracts to become part of the public record for numerous corporate privacy reasons. It is important to note that transportation of waste off site is not a daily, weekly, or even monthly occurrence, but more seasonal in nature. As such, Arctic enters into agreements with waste disposal companies on an as needed basis and no waste is shipped offsite without an agreement to receive the waste in place. Arctic confirms that the offsite waste disposal will continue as proposed in the Waste Management Plan as it has done historically.

Waste Type	Management Method(s)
Garbage:	Inert waste will be managed at the Ekati mine landfill. Organic waste will be either incinerated or composted at the Ekati Incinerator/Composter facility. Hazardous waste and liquid waste will be sent off-site to an approved waste receiver in Yellowknife, NT for final disposal.
Sewage (Sanitary and greywater):	Sewage will be collected from washroom and lunchroom facilities and stored on-site. As required, sewage from the storage tanks will be transported from the Lynx pit facilities to the main Ekati site for treatment. Sewage at Ekati is treated using an activated sludge system with the effluent pumped to an approved containment facility.

Brush and trees:	N/A
Overburden (Organic soils, waste material, etc.):	N/A

Off-site Disposal: If waste is proposed to be disposed of off-site within the NWT, written confirmation (e.g., an email, letter, etc.) from the facility/facilities indicating they will accept the waste is required. Include it/these in your Application Package. Please note this information will be required by the Board prior to commencement of activities.

12. EQUIPMENT

Identify the types of equipment proposed to be used.

Please see Section 10 of the 2015 [Lynx WRSA Application](#) for a full list of equipment which was used during construction of the Lynx WRSA during Lynx production. Traditional open-pit mining at Lynx Pit ceased in 2019.

Number	Type/Description	Size (weight in tonnes)	Proposed use

13. FUEL

Identify all fuel types proposed to be used.

Type of Fuel	Number of containers	Capacity of containers (e.g., litres, pounds)	Type of container (barrel, tank, tidy-tank)	Proposed storage or staging location(s)
Diesel:	1	10,000 L	Tank	Adjacent to crusher
Gasoline:	-			
Aviation Fuel:	-			
Propane:	-			
Other: (describe)	-			

14. METHODS OF FUEL TRANSFER

Describe the proposed methods to transfer fuel.

All mobile and stationary equipment in the area will be refueled with a mobile fuel truck. All refueling will be conducted following standard practices. Work areas and mobile fuel trucks will be equipped with dedicated spill response equipment.

15. SPILL CONTINGENCY PLAN

Include your Spill Contingency Plan in your Application Package, if applicable, or for small-scale projects, provide relevant details in the grey field provided below. An example of this Plan can be found in the INAC [Guidelines for Spill Contingency Planning](#).

The [Spill Contingency Plan](#), which includes the Lynx Development, can be found on the Board Registry.

16. PROPOSED PROJECT SCHEDULE AND TERM

Indicate the proposed project start and completion dates and the time of year the project activities are planned to occur. Describe any anticipated temporary closure(s) or seasonal shutdowns. Indicate the term requested.

Start Date:	June 5, 2022	Completion Date:	June 4, 2027
Arctic Canadian Diamond Company Ltd. intends to discontinue LUP W2015D0005 upon receipt of a new LUP for the Lynx WRSA. The current LUP W2015D0005 expires on June 4, 2022.			
Term of Permit Requested:	5 years		

17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

Using the Impact-Mitigation Table below, or the more detailed Table in Appendix D of the [Guide](#), identify all potential impacts and possible mitigations that are relevant to the proposed project, and indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Possible potential impacts are listed below; however, these lists are not exhaustive and may not apply to all projects. All information provided should reflect the size, scale, and nature of the proposed project. Cumulative impacts and climate change must be considered. Attach additional pages if needed.

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
ABIOTIC COMPONENTS		
Land		
Soil contamination		
Soil compaction		
Destabilization/erosion		
Change in soil structure		
Inability to support vegetation		
Other	x	Same as predicted in previous environmental assessment(s)
Water		
Groundwater		
Water table alteration		
Infiltration changes		
Changes in water quality		
Temperature changes		
Other	x	Same as predicted in previous environmental assessment(s)
Permafrost		

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
Loss or change in extent		
Changes in seasonal fluctuations		
Change in persistence		
Other	x	Same as predicted in previous environmental assessment(s)
Surface Water		
Water flow or level changes (permanent, temporary, seasonal)		
Drainage pattern changes		
Temperature changes		
Changes in water quality		
Wetland impairment		
Changes to aquatic habitat (see Biotic section below)		
Other	x	Same as predicted in previous environmental assessment(s)
Air		
Changes in air quality		
Harm to living things		
Increased greenhouse gases		
Other	x	Same as predicted in previous environmental assessment(s)
BIOTIC COMPONENTS		
Vegetation		
Direct loss of vegetation		
Loss of Species at Risk or may-be-at-risk plants		
Change in species composition		
Introduction of non-native (invasive) species		
Effects on plant health (dust, metals, toxins)		
Increased risk of fire		
Compaction of vegetation		
Other	x	Same as predicted in previous environmental assessment(s)
Terrestrial Wildlife Habitat		
Direct loss or removal of habitat, dens, or nests		
Loss or removal of keystone species and/or Species at Risk habitat		
Fragmentation of wildlife corridor		
Direct injury or mortality		
Disturbances to key lifecycle stages: breeding, feeding, nesting, staging		
Effects on population abundance		
Change in species diversity		
Effects on wildlife health (toxins, metals, etc.)		
Changes to migratory movement patterns		

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
Changes to predator-prey relationships		
Human-wildlife conflicts		
Other	x	Same as predicted in previous environmental assessment(s)
Aquatic Habitat		
Breeding disturbances		
Change in species diversity		
Effects on health (toxins, metals, sediment, etc.)		
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Effects on population abundance		
Change in species diversity		
Other	x	Same as predicted in previous environmental assessment(s)
CULTURAL COMPONENTS		
Wildlife Harvesting		
Loss or reduction in game species populations		
Effects on traditional land use, subsistence, and harvesting rights		
Other		
Cultural Integrity and Heritage Resources		
Change to or loss of cultural integrity		
Change to or loss of traditional lifestyle		
Change to or loss of heritage resource		
Other	x	Same as predicted in previous environmental assessment(s)
Social and Economic Well-being		
Increased human health hazard and risk		
Economic opportunities or losses (employment, training)		
Change in ecological, cultural, social, or economic values identified for protection in approved Land Use Plans		
Impairment of the recreational or traditional uses of the land or water		
Impairment of the aesthetic quality of the land or water		
Changes to the use of the area by other non-Indigenous people (e.g. trappers, outfitters, residents, hunters, forest harvesters, other authorized projects)		
Other	x	Same as predicted in previous environmental assessment(s)

18. CLOSURE AND RECLAMATION

Use the grey field below to provide or reference the following information:

Closure and Reclamation Plan: Describe your plans for closure and reclamation, including any temporary closure(s) and seasonal shutdowns. Include your Closure and Reclamation Plan in your Application Package, if applicable, or for small-scale projects, describe the proposed activities in the grey field provided below. Please also refer to the MVLWB/AANDC [Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories](#).

Closure Cost Estimate: Prepare a Closure Cost Estimate and include it in your Application Package. Applicants are encouraged to contact the Board, prior to applying, to determine which closure-cost-estimate template is most suited to the activities being applied for. Guidance is provided in section 2.2 of the MVLWB/INAC/GNWT [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If your Application is submitted concurrently with a Water Licence Application, the estimate should include a breakdown of water- and land-related activities and liabilities.

There is a Board approved closure plan and closure cost estimate in place for the Ekati mine. No changes are being requested to the approved existing closure plan or closure cost estimate with this application.

19. ADDITIONAL SUPPORTING INFORMATION

Use the grey field below to provide or reference the following information:

Engagement: Conduct engagement, prepare an Engagement Record and Engagement Plan in accordance with the MVLWB [Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits](#), and include them in your Application Package. Templates are provided in the Guidelines. Please also refer to [Information for Proponents on MVLWB's Engagement Requirements](#).

Land Use Plans: Contact the applicable Land Use Planning Board or the Tłı̨chų Government to discuss conformity with the relevant land use plan(s). Include a Land Use Plan Conformity Table in your Application Package, demonstrating how the project meets the requirements of the Land Use Plan, if applicable.

Traditional (Environmental) Knowledge (TEK/TK): Provision of TEK/TK is mandatory for applications to the SLWB. Other applicants are strongly encouraged to include TEK/TK.

Studies Undertaken to Date: List any relevant studies that support the proposed activities and include them in your Application Package.

See Appendix A for the Engagement Log specific to this request for a LUP renewal.

Arctic Canadian Diamond Company Ltd. has various Board approved management plans in place for the Ekati mine. There are no changes being requested to the existing approved management plans with this LUP application.


20. FEES

Refer to section 20 of the [Mackenzie Valley Land Use Regulations](#) for assistance in determining relevant fees.

Type of Fee	Amount (\$)
Application fee:	150 \$
Land-use fees (for federal areas only):	\$
Total Fees:	\$

21. SIGNATURE

Dustin Chaffee	Regulatory Applications Manager
Applicant's Name (print) or Company Name	Position (print)

	March 21, 2022
Signature	Date

Please submit completed applications to the Regulatory Manager or Executive Director identified on the "Contact Us" pages of the respective Land and Water Board (www.mvlwb.com, www.wlwb.ca, www.slwb.com, www.glwb.com).



Government of Northwest Territories / Gouvernement des Territoires du Nord-Ouest

BUSINESS CORPORATIONS ACT
CERTIFICATE OF COMPLIANCE OF AN
EXTRA-TERRITORIAL CORPORATION

LOI SUR LES SOCIÉTÉS ACTIONS
CERTIFICAT DE CONFORMITÉ D'UNE SOCIÉTÉ
PAR ACTIONS EXTRATERRITORIALE

I HEREBY CERTIFY THAT

JE CERTIFIE PAR LA PRÉSENTE QUE

ARCTIC CANADIAN DIAMOND COMPANY LTD.

a body corporate incorporated
under the laws of

une personne morale constituée
En vertu des lois

BRITISH COLUMBIA

registered under Part XXI of the
Business Corporations Act of the
Northwest Territories, has filed with the
Registrar of Corporations, the required
annual returns and is, with respect to the
filing of annual returns, in good standing
on the records of the Registrar.

enregistrée en vertu de la partie XXI de la
Loi sur les sociétés par actions
des Territoires du Nord-Ouest,
a déposé auprès du registraire des sociétés
par actions le rapport annuel exigé et
rencontre les exigences du registraire
relatives au dépôt des rapports annuels.



Dated 2021-01-19
Fait le

REGISTRAR OF CORPORATIONS
REGISTRAIRE DES SOCIÉTÉS PAR ACTIONS



Corporate Registries Online System

Entity Profile

ARCTIC CANADIAN DIAMOND COMPANY LTD.

Report Created: January 19, 2021

File No.	613152
Entity Type	Extra-Territorial Corporation
Jurisdiction	BRITISH COLUMBIA
Status	In Compliance

Entity Events

Note: Only the date of the most recent entity event is shown. For a full history, see Filings.

Date Incorporated	December 18, 2020
Date Registered	January 19, 2021
Date Cancelled	N/A
Date of Continuance in NWT	N/A
Date Reinstated	N/A
Date Amalgamated	N/A
Amalgamated to	N/A

Name History

Assumed Name

No assumed name.

Former Names

No former names.

Trade Names

No trade names.

Amalgamated From

No amalgamations.

Addresses

Head Office Delivery Address

SUITE 2600, THREE BENTALL CENTRE, 595
BURRARD STREET
PO BOX 49314
VANCOUVER BC V7X1L3

Head Office Mailing Address

Same as Delivery

Registered Office in Northwest Territories Delivery Address

601, 4920-52 STREET
YELLOWKNIFE NT X1A3T1

Service by Mail Address in Northwest Territories

Same as Delivery

Annual Filings

Last Annual Return Filed	N/A
Last Annual Return for Year	N/A
Next Annual Return Due	January 31, 2022

Directors

See Filings.

Filings

It is possible that these filings have been archived and were never available in electronic format. Forward a copy of the PDF entity profile to CorporateRegistries@gov.nt.ca and we can confirm whether older filings are available and how we can get these filings to you.