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PRELIMINARY SCREENING REPORT FORM

<p><b>PRELIMINARY SCREENER:</b> WLWB  <b>REFERENCE / FILE NUMBER:</b> W2018C0005  <b>TITLE:</b> Mineral Exploration, Ekati Claim Block  <b>ORGANIZATION:</b> Dominion Diamond Ekati ULC  <b>MEETING DATE:</b> October 24, 2018</p>	<p><b>EIRB REFERENCE NUMBER:</b> _</p>
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**Type of Development:**  
 (CHECK ALL THAT APPLY)

- New
- Amend, EIRB Ref. # \_\_\_\_\_
- Requires permit, license or authorization
- Does not require permit, license or authorization

**Project Summary**

Dominion Diamond Ekati ULC (Dominion) submitted a land use permit application (W2018C0005, the Application) to the Wek'èezhìi Land and Water Board (WLWB) for the exploration activities at the Ekati site. The proposed activities remain largely the same as those previously permitted by Permit W2013C0005. (i.e. to conduct diamond drilling, large-diameter reverse circulation drilling, geochemical and geophysical Surveys, winter road construction, and the use of vehicles and machines including earth-moving equipment), however, Dominion has proposed the inclusion of establishing and operation and maintenance of a camp, and the establishment of a petroleum fuel storage facilities.

On October 11, 2002,<sup>1</sup> a Preliminary Screening of those activities authorized by W2013C0005 was completed.<sup>2</sup> This Preliminary Screening is for those activities not described in the October 11, 2002 screening including:

- Construction, operation, and maintenance of a camp; and
- establishment of a petroleum fuel storage facilities.

The Application describes the proposed camp: the temporary exploration camp will consist of plywood and canvas tent structures sleep tents, one FirstAid/Refuge tent, kitchen, dry, core shack and office. Additionally, there will be structures erected for the power generator, waterless toilets and general storage. A dock, fuel cache, equipment storage yard, weather havens (for winter work) and waste disposal area may also be included. Total area in use would be less than 1 hectare and would be used on a seasonal basis.

**Principal Activities (related to scoping)**

(CHECK ALL THAT APPLY)

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Construction | <input type="checkbox"/> Exploration       | <input type="checkbox"/> Decommissioning        |
| <input type="checkbox"/> Installation            | <input type="checkbox"/> Industrial        | <input type="checkbox"/> Abandonment            |
| <input checked="" type="checkbox"/> Maintenance  | <input type="checkbox"/> Recreation        | <input type="checkbox"/> Aerial                 |
| <input type="checkbox"/> Expansion               | <input type="checkbox"/> Municipal         | <input type="checkbox"/> Harvesting             |
| <input checked="" type="checkbox"/> Operation    | <input type="checkbox"/> Quarry            | <input checked="" type="checkbox"/> Camp        |
| <input type="checkbox"/> Repair                  | <input type="checkbox"/> Linear / Corridor | <input type="checkbox"/> Scientific/            |
| <input type="checkbox"/> Research                | <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Solid Waste |
| <input checked="" type="checkbox"/> Water Intake |  |   |
| <input type="checkbox"/> Other:                  |  |   |

**Principal Development Components (related to scoping)**

- |   |  |
|---|--|
| <input type="checkbox"/> Access Road                    | <input checked="" type="checkbox"/> Waste Management |
| <input checked="" type="checkbox"/> construction        | <input type="checkbox"/> disposal of hazardous waste |
| <input checked="" type="checkbox"/> abandonment/removal | <input checked="" type="checkbox"/> waste generation |

<sup>1</sup> See WLWB Online Registry for [LUP-Iss-Oct02.pdf](#); pg. 10

<sup>2</sup> See WLWB Online Registry for [W2013C0005 - Ekati Exploration - Land Use Permit - Reasons for Decision and Supporting Docs - Oct 24 13.pdf](#)

- modification e.g., widening, straightening
- Automobile, Aircraft or Vessel Movement
- Blasting
- Building
- Burning
- Burying
- Channeling
- Cut and Fill
- Cutting of Trees or Removal of Vegetation
- Dams and Impoundments
  - construction
  - abandonment/removal
  - modification
- Ditch Construction
- Drainage Alteration
- Drilling other than Geoscientific
- Ecological Surveys
- Excavation
- Explosive Storage
- Fuel Storage
- Topsoil, Overburden or Soil
  - fill
  - disposal
  - removal
  - storage

- Sewage
- disposal of sewage
- Geoscientific Sampling
- trenching
- diamond drill
- borehole core sampling
- bulk soil sampling
  - Gravel
  - Hydrological Testing
- Site Restoration
  - fertilization
  - grubbing
  - planting/seeding
  - reforestation
  - scarify
  - spraying
  - recontouring
- Slashing and removal of vegetation
- Soil Testing
- Stream Crossing/Bridging
- Tunneling/Underground
- Other (describe):

**NTS Topographic Map Sheet Numbers**  
(LIST ALL THAT APPLY)

76C/12 and 76D 9/10/11/14/15/16

**Latitude / Longitude and UTM System:**

Minimum Latitude: 64° 28'21.4" N  
Minimum Longitude: 111° 31'3.7" W

Maximum Latitude: 65° 0'58.1" N  
Maximum Longitude: 109° 45'30.7" W

**Nearest Community and Water Body:**

Ekati Camp, Lac de Gras

**Land Status (*consultation information*)**

- Free Hold / Private
- Tâîchô Lands
- Commissioners/Territorial Land
- Federal Crown Land
- Municipal Land

**Transboundary Implications**

- British Columbia
- Nunavut
- Alberta
- Wood Buffalo National Park
- Saskatchewan
- Inuvialuit Settlement Region
- Yukon

**Type of Transboundary Implication:**

- Impact / Effect
- Development

Public Concern \_\_\_\_\_  
(DESCRIBE)

**PHYSICAL - CHEMICAL EFFECTS**

**IMPACT****1. Ground Water**

- water table alteration
- water quality changes
- infiltration changes
- other
- N/A

**MITIGATION****IMPACT****2. Surface Water**

- flow or level changes
- water quality changes
  
- water quantity changes
- Drainage pattern changes
- temperature
- wetland changes / loss
- other:
- N/A

**MITIGATION**

There is the potential for greywater or fuel to contaminate surface water. Dominion's Waste Management Plan and its Spill Contingency Plan should minimize impacts of camp wastes on the Receiving Environment. In addition, Conditions 14, and 46-49 will mitigate any potential for impacts to surface water.

**IMPACT****3. Noise**

- noise in/near water
- other: noise increase
  
- N/A

**MITIGATION**

Noise, sound, and emissions may temporarily disturb wildlife, however, these are all low impact, localized, and over a short duration. No significant effects should occur.

**IMPACT****4. Land**

- geologic structure changes
- soil contamination
- buffer zone loss
- soil compaction & settling
- Destabilization / erosion
- permafrost regime alteration
- other: explosives/scarring
- N/A

**MITIGATION**

Fuel cache and camp waste have the potential to contaminate soil. The Ekati Waste Management Plan, Spill Contingency Plan, as well as conditions outlined in the Permit (Conditions 31-33, 35-38) should mitigate this potential.

Establishment of a camp will disturb soils as the camp will be operated during spring and summer; however, effects will be small and localized. Conditions 18 and 19 of the Permit should mitigate potential for rutting.

**IMPACT****5. Non Renewable Natural Resources**

- resource depletion
- other:
- N/A

**MITIGATION****IMPACT****6. Air/Climate/ Atmosphere**

- Other
- N/A

**MITIGATION**

Use of small generators, vehicles, helicopters, and drilling equipment, with appropriate emissions equipment ensure federal air quality standards.

**BIOLOGICAL ENVIRONMENT****IMPACT****1. Vegetation**

- species composition
- species introduction
- toxin / heavy accumulation
- other:
- N/A

**MITIGATION**

Establishment of a camp will disturb vegetation as the camp will be operated during spring and summer; however, effects will be small and localized.

**IMPACT****2. Wildlife & Fish**

- effects on rare, threatened or endangered species

**MITIGATION**

The project area overlaps with the ranges of the following NWT-listed and/or pre-listed species:

- Boreal Caribou – Threatened in the NWT
- Barren-ground Caribou - Threatened in the NWT
- Grizzly Bear – Special Concern in NWT
- Little Brown Myotis (bat) – Special Concern in the NWT

The Permittee is to abide by all applicable legislation, including regulations made under such legislation. The Permittee is required to comply with Environment Canada's Species at Risk Act (SARA). The Permittee shall adhere to the conditions included in the Land Use Permit including condition 34 which requires the Permittee take all reasonable measures to prevent damage to wildlife and fish habitat during this land use operation and Condition 64 which states the Permittee shall not move any equipment or commence any drilling when one or more caribou are within five hundred (500) metres.

Although the project overlaps with the range(s) of the species listed above, ENR is of the opinion that the scope, nature, areal extent, scale and/or timing of the proposed project are such that the likelihood of impacts to NWT-listed or pre-listed species at risk is minimal (GNWT-ENR comment 13).

fish population changes

waterfowl population changes

breeding disturbance

The Permittee is to abide by all applicable legislation, including regulations made under such legislation. Migratory birds may be encountered in the area. The Permittee is required to comply with Environment Canada's Migratory Bird Convention Act (MBCA). The Permittee shall adhere to the conditions included in the Land Use Permit including condition 34 which requires the Permittee take all reasonable measures to prevent damage to wildlife and fish habitat during this land use operation

population reduction

species diversity change

health changes  
(Identify)

behavioural changes

Presence of species may be reduced in the area resulting from camp activities and noise. The impact of this camp is anticipated to be much lower than other camps on the Ekati claim site, with only up to 30 personnel on-site at a time.

The Waste Management Plan will mitigate animals from becoming attracted and habituated to human foods. The camp area may impact range for some animals, however, a small-localized effect.

(Identify)

habitat changes / effects

The total area of habitat impacted by the camp and fuel storage will be small and localized. THE inspector will inspect the location of the camp prior to establishment (Condition 4).

game species effects

toxins / heavy metals

forestry changes

agricultural changes

other:

N/A

#### INTERACTING ENVIRONMENT

#### IMPACT

##### 1. Habitat and Communities

#### MITIGATION

- predator-prey
- wildlife habitat / ecosystem

To reduce impacts to habitat, conditions have been included in the Land Use Permit in order to prevent damage to wildlife and fish habitat during use of the camp. Impacts are anticipated to be localized.

Composition changes

- reduction / removal of keystone or endangered species
- removal of wildlife corridor or buffer zone
- other:
- N/A

**IMPACT**

**2. Social and Economic**

**MITIGATION**

- planning / zoning changes or conflicts
- increase in urban facilities or services use
- rental house
- airport operations / capacity changes
- human health hazard
- impair the recreational use of water or aesthetic quality
- affect water use for other purposes
- affect other land use operations
- quality of life changes
- public concern
- other:
- N/A

**IMPACT**

**3. Cultural and Heritage**

**MITIGATION**

- effects to historic property
- increased economic pressure on historic properties
- change to or loss of historic resources
- change to or loss of archaeological resources
- increased pressure on

An archaeological buffer has been included as one of the standard conditions in the draft Land Use Permit: The Permittee shall not operate any vehicle or equipment within 150 metres of a known or suspected historical or archaeological site or burial ground (Condition 39). The Land Use Permit conditions require the Permittee to avoid and not disturb known and suspected archeological, historic, and burial sites, and should the Permittee discover an archeological site, to report these findings immediately (Conditions 40-43).

See above

archaeological sites

change to or loss of aesthetically important site

effects to aboriginal lifestyle

other:

N/A

**NOTES:**

Consultation

- Pursuant to Section 1(a)(b)(c) and Section 2(a) of the Dogrib Treaty 11 Claim Interim Provisions Agreement, the MVLWB determined that the Permittee has participated in consultations and due process with respect to the issuance of a land use permit within the subject land use area.

**PRELIMINARY SCREENER / REFERRING BODY INFORMATION**  
(CHECK ALL THAT APPLY)

	RA or DRA	ADVICE	PERMIT REQUIRED
Environment and Climate Change Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fisheries and Oceans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Indian and Northern Affairs Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Heritage (Parks Canada)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Natural Resources Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Works and Government Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transport Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Northern Oil and Gas Directorate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Nuclear Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Industry Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canadian Transportation Agency	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Defense	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – ENR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT - MACA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT - Transportation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prince of Wales Heritage Center	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVEIRB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVLWB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT-ECE	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GNWT-Department of Lands	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Independent Environmental Monitoring Agency	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wek'èèzhìi Renewal Resources Board	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Deh Cho First Nations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tlicho Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Behchoko Community Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gameti Community Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wekweètì Community Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Whati Community Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lutsel K'e Dene First Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Akaiicho Prescreening Board	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rae-Edzo Metis Local #64	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
North Slave Metis Alliance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Northwest Territory Metis Nation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**REASONS FOR DECISION**

(LIST ALL REASONS AND SUPPORTING RATIONALES FOR PRELIMINARY SCREENING DECISION)

**DECISION:**

The Wek'èezhìi Land and Water Board (The Board) is satisfied that the preliminary screening of application W2018C0005, by Dominion Diamond Ekati ULC, for Mineral Exploration has been completed in accordance with Section 125 of the *Mackenzie Valley Resource Management Act*.

The Board is satisfied that a reasonable period of notice was given to Communities and First Nations affected by the application as required by Subsection 63(2) of the *MVRMA* so that they could provide comments to the Board.

The Board is also satisfied that the Tlìcho Government has also been consulted in accordance with Section 63 of the *MVRMA*.

Having reviewed all relevant evidence on the Public Registry, including the submissions of the Applicant, the written comments received by the Board and any staff reports prepared for the Board, the Board has decided that in its opinion that:

- there is no reasonable likelihood that the proposed development might have a significant adverse impact on the environment; and
- there is no reasonable likelihood that the proposed development might be a cause of public concern.

The Board is also of the opinion that the application can proceed through the regulatory process and that any impacts of the development on the environment can be mitigated through the imposition of the terms and conditions in the attached Land Use Permit.

As a result, the Board, having due regard to the facts and circumstances, the merits of the submissions made to it, and to the purpose, scope and intent of the *Mackenzie Valley Resource Management Act* and the Mackenzie Valley Land Use Regulations has decided that this Land Use Permit be issued subject to the terms and conditions contained therein.

	<b>PRELIMINARY SCREENING DECISION</b>
<input checked="" type="checkbox"/>	<b>Outside Local Government Boundaries</b>
<input type="checkbox"/>	The development proposal might have a significant adverse impact on the environment, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input checked="" type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	<b>Wholly within Local Government Boundaries</b>
<input type="checkbox"/>	The development proposal is likely to have a significant adverse impact on air, water or renewable resources, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>
<input type="checkbox"/>	The development proposal might have public concern, <i>refer it to the EIRB.</i>
<input type="checkbox"/>	<i>Proceed with regulatory process and/or implementation.</i>

**Preliminary Screening Organization**



**Chair, Wek'èezhìi Land and Water Board**