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PRELIMINARY SCREENING REPORT FORM

PRELIMINARY SCREENER: WLWB REFERENCE / FILE NUMBER: W2016D0003 TITLE: Sable Development, Ursula Lake, NT ORGANIZATION: Dominion Diamond Ekati Corporation MEETING DATE: May 12, 2016	EIRB REFERENCE NUMBER: _
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Type of Development:
 (CHECK ALL THAT APPLY)

- New
- Amend, EIRB Ref. # EA99-004
- Requires permit, license or authorization
- Does not require permit, license or authorization

Project Summary

Dominion Diamond Ekati Corporation (DDEC) submitted a land use permit application to the Wek'èezhìi Land and Water Board (WLWB) for the Sable Development, originally permitted in 2001 after Ministerial approval (with modifications) of the Report of Environmental Assessment, file # E99-004. The Sable Development project permits DDEC to mine the Sable Pit. This project did not screen for the use of a camp at the Sable site because DDEC plans to use the accommodations at main camp during operations. However, DDEC identified the need for a temporary camp for the summer of 2016 to support fish-out activities, prior to the road being built from main camp to the Sable site (road permitted separately); it is anticipated this camp will support approximately 20 people, for a period of three months.

Scope

Scope of this preliminary screening is exclusive to: set-up and operate a temporary camp at the Sable Development.

Principal Activities (related to scoping)
 (CHECK ALL THAT APPLY)

- | | | |
|--|--|---|
| <input type="checkbox"/> Construction | <input type="checkbox"/> Exploration | <input type="checkbox"/> Decommissioning |
| <input type="checkbox"/> Installation | <input type="checkbox"/> Industrial | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Maintenance | <input type="checkbox"/> Recreation | <input type="checkbox"/> Aerial |
| <input type="checkbox"/> Expansion | <input type="checkbox"/> Municipal | <input type="checkbox"/> Harvesting |
| <input 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"/> Water Intake | <input type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Other: | | |

Principal Development Components (related to scoping)

- | | |
|---|--|
| <input type="checkbox"/> Access Road | <input checked="" type="checkbox"/> Waste Management |
| <input type="checkbox"/> construction | <input type="checkbox"/> disposal of hazardous waste |
| <input type="checkbox"/> abandonment/removal | <input type="checkbox"/> waste generation |
| <input type="checkbox"/> modification e.g., widening, straightening | <input checked="" type="checkbox"/> Sewage |
| <input type="checkbox"/> Automobile, Aircraft or Vessel Movement | <input type="checkbox"/> disposal of sewage |
| <input type="checkbox"/> Blasting | <input type="checkbox"/> Geoscientific Sampling |
| <input checked="" type="checkbox"/> Building | <input type="checkbox"/> trenching |
| <input type="checkbox"/> Burning | <input type="checkbox"/> diamond drill |
| <input type="checkbox"/> Burying | <input type="checkbox"/> borehole core sampling |

- 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

- 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

NAD 27, Map Sheet No. 76D-115

Latitude / Longitude and UTM System:

Minimum latitude, maximum latitude: 64° 52' 24"N, 64° 50' 51" N

Minimum longitude, maximum longitude: 110° 34' 04" W, 110° 29' 38" W

Nearest Community and Water Body:

Wekweèti, Ursula Lake

Land Status (consultation information)

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

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

There is the potential for sewage from the pit house to contaminate groundwater. DDEC's Waste Management Plan includes details for sewage management at Ekati and its Spill Contingency Plan outlines spill response. The Permittee is required to adhere to its approved Waste Management and Spill Contingency Plan to minimize impacts of camp wastes on the receiving environment.

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 sewage from the pit house to contaminate surface water. DDEC's Waste Management Plan includes details for sewage management at Ekati and its Spill Contingency Plan outlines spill response; The Permittee is required to adhere to its approved Waste Management and Spill Contingency Plan to minimize impacts of camp wastes on the receiving environment.

The Permittee confirmed during the review period that the camp will use water pumped from Two Rock Lake; no more than 1 m³ of water will be used per day. The Water Licence authorizes withdrawal of water from Two Rock Lake (Schedule 3 of Water Licence W2012L2-0001).

IMPACT**3. Noise**

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

MITIGATION

No mitigation is proposed for the noise generated from the camp; use of the camp is short-term and temporary.

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

There is potential for sewage from the camp to contaminate soils. DDEC's Waste Management Plan includes details for sewage management at Ekati and its Spill Contingency Plan outlines spill response; The Permittee is required to adhere to its approved Waste Management and Spill Contingency Plan to minimize impacts of camp wastes on the receiving environment. All camp activities will take place on lands that will be cleared for Sable Development operations.

Establishment of a camp will disturb soils as the camp will be operated during spring and summer; however, effects will be small and localized, and all camp activities will take place on lands that will be cleared for Sable Development operations.

IMPACT**5. Non Renewable Natural Resources**

- resource depletion

MITIGATION

other:

N/A

IMPACT

6. Air/Climate/ Atmosphere

MITIGATION

Other

N/A

BIOLOGICAL ENVIRONMENT

IMPACT

1. Vegetation

MITIGATION

species composition

species introduction

toxin / heavy accumulation

other: Local disturbance

Establishment of a camp will disturb vegetation as the camp will be operated during spring and summer; however, effects will be small and localized, and all camp activities will take place on lands that will be cleared for Sable Development operations.

N/A

IMPACT

2. Wildlife & Fish

MITIGATION

effects on rare, threatened or endangered species

The Permittee is to abide by all applicable legislation, including regulations made under such legislation. The Permittee shall adhere to the conditions included in the Land Use Permit and take all reasonable measures to prevent damage to wildlife and fish habitat during this land use operation.

fish population changes

Fish may be entrained in water intakes. All water intakes are required to include an adequate screening device to prevent the entrainment of fish (W2012L2-0001 Part D, Item 7)

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 Board has also included the condition stating that the Permittee shall 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

Reduced presence of species may be reduced in the area resulting from camp activities and noise. The impact of the camp is anticipated to be much lower, compared to the impact of the already permitted Sable Development.

(Identify)

habitat changes / effects

The total area of habitat impacted by the construction of the temporary camp will be small and is fully within a larger area of habitat that will be impacted by Sable Development activities.

game species effects

toxins / heavy metals

forestry changes

agricultural changes

other:

N/A

INTERACTING ENVIRONMENT

IMPACT

MITIGATION

1. Habitat and Communities

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

MITIGATION

2. Social and Economic

- 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

- 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 archaeological sites
- change to or loss of aesthetically important site
- effects to aboriginal lifestyle
- other:
- N/A

MITIGATION

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.

NOTES:

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

	RA or DRA	ADVICE	PERMIT REQUIRED
Environment Canada	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fisheries and Oceans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indian and Northern Affairs Canada	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – MACA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GNWT – Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Prince of Wales Heritage Center	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MVEIRB	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MVLWB	<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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Akaiicho Prescreening Board	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Northwest Territory Metis Nation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

REASONS FOR DECISION

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

DECISION:

The Wek'èezhii Land and Water Board (The Board) is satisfied that the preliminary screening of the temporary camp at the Sable Development, as outlined by DDEC in application W2016D0003 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 Tlicho 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.

PRELIMINARY SCREENING DECISION	
<input checked="" type="checkbox"/>	Outside Local Government Boundaries
<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"/>	Wholly within Local Government Boundaries
<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'èezhii Land and Water Board