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January 20, 2020

File: MV2019C0029

Mr. Mark Cliffe-Phillips
Mackenzie Valley Environmental Impact Review Board
200 Scotia Center
Box 938, 5102 - 50th Avenue
Yellowknife NT X1A 2N7

Sent via Email

Dear Mr. Cliffe-Phillips,

**Re: Notice of Preliminary Screening Determination – Application for Land Use Permit
Mineral Exploration – Coates Lake Area NT**

The Mackenzie Valley Land and Water Board (Board) met on January 16, 2020 and considered the Application from Redbed Resources Corp. (Redbed) for Type A Land Use Permit (Permit) MV2019C0029 for mineral exploration in the Coates Lake Area (Project) in accordance with the *Mackenzie Valley Resource Management Act (MVRMA)*.

The Board conducted a preliminary screening based on the Application and the public record for the proceeding. Based on the evidence provided, the Board is satisfied the screening has been completed according to section 125 of the MVRMA and has decided **not to refer** the project to environmental assessment. The Preliminary Screening Report includes the Board's reasons for decision, as required by section 121 of the MVRMA (attached).

If the Board does not receive notice of referral to environmental assessment, it will proceed with the issuance of Permit MV2019C0029 on Friday January 31, 2020

Our Board and staff look forward to continued communications throughout the pause period. If you have any questions or concerns regarding this letter, please contact Shelagh Montgomery at (867) 766-7457 or email smontgomery@mvlwb.com.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Mavis Cli-Michaud".

Mavis Cli-Michaud
Chair, MVLWB

Copied to: Deh Cho/Tulita – Distribution List;
Mr. Jim Coyne, Redbed Resources Corp.

Attached: Preliminary Screening Report, including Reasons for Decision

Preliminary Screening Report Form

Preliminary screener: MVLWB Reference / File number: MV2019C0029 TITLE: Mineral Exploration and Geological Exploration-Coates Lake, NT Organization: Redbed Resources Corporation Meeting date: January 16, 2020	EIRB Reference number:
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Type of Development:
(CHECK ALL THAT APPLY)

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | New |
| <input type="checkbox"/> | Amend, EIRB Ref. # |
| <input checked="" type="checkbox"/> | Requires permit, licence, or authorization |
| <input type="checkbox"/> | Does not require permit, licence, or authorization |

Project Summary

The proposed work for 2012 includes re-activation of the exploration camp at Coates Lake, and a 30 to 35 day program of ground geophysics (52 km of iP, up to 33 km of ELF-EM), geological exploration mapping and sampling, and geochemical sampling. The objective of this work is to locate diamond drill targets to be drilled in 2013 and later years. Redbed is not seeking approval of an exploration drilling program at this time. The location, number of drill holes, depth, and overall level of effort of any drilling program cannot be estimated until the 2012 exploration program has been completed. The geophysics surveys will be conducted on the Redbed-owned Coates Lake, Hidden Valley, Johnson Vein, Lisa, and Hayhook claim/lease blocks. The geochemical and geological sampling and mapping will be conducted in these areas as well as in a broader zone outside the claim lease blocks.

On December 9, 2019, Redbed submitted an application to include all of the activities that were included in Permit MV2019J0019 as well as a mineral exploration program that will involve a winter mob of drilling and satellite equipment and fuel requirements for the summer drilling program.

Scope

- Mineral exploration;
- Drilling;
- Establishment, operation and maintenance of a camp;
- Establishment, operation and maintenance of a temporary camp; and
- Use and storage of fuel.

Land Use Eligibility - Section 18 Mackenzie Valley Land Use Regulations

Type of Disposition	Disposition Number(s)
<input checked="" type="checkbox"/> Mineral Claims	K12456, K23824, K14825, K14825, K14831, K14835, K14836, K14837, K08183, K08184, K08185, K08186, K08187
<input type="checkbox"/> Prospecting Permit (s)	
<input checked="" type="checkbox"/> Mineral Leases	NT-2416, NT2417, NT2505, NT2505, NT2684
<input type="checkbox"/> Oil and Gas: EL/SDL/PL	
<input type="checkbox"/> Quarry Permit	
<input type="checkbox"/> Timber Permit	
<input type="checkbox"/> Other:	

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

- | | | |
|---------------------------------------|---|--|
| <input type="checkbox"/> Construction | <input checked="" 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"/> Sewage | <input type="checkbox"/> Solid Waste |
| <input type="checkbox"/> Water Intake | | |
| <input type="checkbox"/> Other: | | |

Principal Development Components (related to scoping)

- | | |
|---|--|
| <input type="checkbox"/> Access Road
<input type="checkbox"/> construction
<input type="checkbox"/> abandonment/removal
<input type="checkbox"/> modification e.g., widening, straightening
<input checked="" type="checkbox"/> Automobile, Aircraft or Vessel Movement
<input type="checkbox"/> Blasting
<input type="checkbox"/> Building
<input type="checkbox"/> Burning
<input type="checkbox"/> Burying
<input type="checkbox"/> Channelling
<input type="checkbox"/> Cut and Fill
<input type="checkbox"/> Cutting of Trees or Removal of Vegetation
<input type="checkbox"/> Dams and Impoundments
<input type="checkbox"/> construction
<input type="checkbox"/> abandonment/removal
<input type="checkbox"/> modification
<input type="checkbox"/> Ditch Construction
<input type="checkbox"/> Drainage Alteration
<input type="checkbox"/> Drilling other than Geoscientific
<input type="checkbox"/> Ecological Surveys
<input type="checkbox"/> Excavation
<input type="checkbox"/> Explosive Storage
<input checked="" type="checkbox"/> Fuel Storage
<input type="checkbox"/> Topsoil, Overburden or Soil
<input type="checkbox"/> fill
<input type="checkbox"/> disposal
<input type="checkbox"/> removal
<input type="checkbox"/> storage | <input checked="" type="checkbox"/> Waste Management
<input checked="" type="checkbox"/> disposal of hazardous waste
<input checked="" type="checkbox"/> waste generation
<input checked="" type="checkbox"/> sewage
<input checked="" type="checkbox"/> disposal of sewage
<input checked="" type="checkbox"/> Geoscientific Sampling
<input type="checkbox"/> Trenching
<input checked="" type="checkbox"/> Diamond drill
<input type="checkbox"/> Borehole core sampling
<input type="checkbox"/> Bulk soil sampling
<input type="checkbox"/> gravel
<input type="checkbox"/> hydrological Testing
<input type="checkbox"/> Site Restoration
<input type="checkbox"/> fertilization
<input type="checkbox"/> grubbing
<input type="checkbox"/> planting/seeding
<input type="checkbox"/> reforestation
<input type="checkbox"/> scarify
<input type="checkbox"/> spraying
<input type="checkbox"/> re-contouring
<input checked="" type="checkbox"/> Slashing and removal of vegetation
<input type="checkbox"/> Soil Testing
<input type="checkbox"/> Stream Crossing/Bridging
<input type="checkbox"/> Tunnelling/Underground
<input type="checkbox"/> Other: |
|---|--|

NTS topographic map sheet numbers:
 095/L/10,15 and 95M/2,6,11,14

Latitude / longitude and UTM system:
 62°36'28" – 63°47'00"
 126°31'35" – 128°02'54"

Nearest community and water body:
 Wrigley, Coates Lake

Land Status (consultation information)

- Free Hold/Private
 Commissioners Land
 Federal Crown Land
 Municipal Land

Transboundary/Transregional Implications

- | | | | |
|---|---|---|--|
| <input type="checkbox"/> British Columbia | <input type="checkbox"/> Alberta | <input type="checkbox"/> Saskatchewan | <input type="checkbox"/> Yukon |
| <input type="checkbox"/> Nunavut | <input type="checkbox"/> Wood Buffalo National Park | <input type="checkbox"/> Inuvialuit Settlement Region | <input type="checkbox"/> Nahanni National Park |
| <input checked="" type="checkbox"/> Outside Management Area | <input type="checkbox"/> Gwich'in | <input checked="" type="checkbox"/> Sahtu | <input type="checkbox"/> Wek'èezhii |
| <input type="checkbox"/> Akaitcho | | | |
| <input checked="" type="checkbox"/> Dehcho | | | |

Type of transboundary implication:
 Impact / Effect
 Development

Public concern: _____
 (Describe.)

Physical - Chemical Effects

Impact	Mitigation	Location of condition
1) Ground Water		
<input type="checkbox"/> water table alteration		
<input checked="" type="checkbox"/> water quality changes	A spill or improper disposal of sewage or fuel could result in changes to ground water quality. Sections on hazardous material and fuel storage mitigate this concern. Furthermore, the Applicant has submitted a Spill Contingency Plan to mitigate potential spills.	
<input type="checkbox"/> infiltration changes		

other:

N/A

Impact
2) Surface Water

Mitigation

**Location of
condition**

flow or level changes

water quality changes

A spill or improper disposal of sewage or fuel could result in changes to surface water quality. Sections on hazardous material and fuel storage mitigate this concern. Furthermore, the Applicant has submitted a Spill Contingency Plan to mitigate potential spills.

water quantity changes

drainage pattern changes

temperature

wetland changes/loss

other:

N/A

Impact
3) Noise

Mitigation

**Location of
condition**

noise in/near water

Some limited noise near water should be expected. This should be localized and for a short period of time. Additional fuel and drill holes could increase risks and impacts.

noise increase

other:

N/A

Impact
4) Land

Mitigation

**Location of
condition**

geologic structure changes

soil contamination

A spill or improper disposal of sewage or fuel could result in contamination of surrounding soils. Sections on hazardous material and fuel storage mitigate this concern. Furthermore, the Applicant has submitted a Spill Contingency Plan to mitigate potential spills.

buffer zone loss

soil compaction and settling

Any compaction should be limited the immediate location of the drill rig. Additional fuel and drill holes could increase risks and impacts.

destabilization/erosion

permafrost regime alteration

explosives/scarring

other:

N/A

Impact
**5) Non-renewable natural
resources**

Mitigation

**Location of
condition**

MV2019C0029 – Redbed Resources – Coates Lake

resource depletion

other:

N/A

Impact
6) **Air/climate/atmosphere**

Mitigation

Location of condition

other:

N/A

Biological Environment

Impact
1) **Vegetation**

Mitigation

Location of condition

species composition

species introduction

toxin/heavy accumulation

other:

N/A

Impact
2) **Wildlife and Fish**

Mitigation

Location of condition

effects on rare, threatened or endangered species

Wildlife section of the Permit mitigates any potential impacts on rare, endangered or threatened species. The Proponent should be aware of the Species at Risk Act.

If any species at risk are encountered, activity will be reduced to minimize any effect on these species.

fish population changes

waterfowl population changes

breeding disturbance

Wildlife section of the Permit mitigates any potential breeding disturbance.

population reduction

species diversity change

health changes

behavioural changes

Activity will be minimized to reduce any impact on Caribou Additional fuel and drill holes could increase risks and impacts. Food and garbage handling and storage procedures that will minimize the attraction of wildlife will be utilized.

habitat changes / effects

game species effects

Wildlife section of the Permit mitigates any potential breeding disturbance.

toxins/ heavy metals

forestry changes

agricultural changes

other:

N/A

Interacting Environment

Impact
MV2019C0029 – Redbed Resources – Coates Lake

Mitigation

Location of condition

1) Habitat and Communities

condition

- predator-prey
- wildlife habitat/ecosystem composition changes
- reduction/removal of keystone or endangered species
- removal of wildlife corridor or buffer zone
- other:
- N/A

Impact

Mitigation

Location of condition

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

Mitigation

Location of condition

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

In general potential impacts on historical or archaeological sites are mitigated by the Permit.

26(1)(j)

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

Notes:

Consultation

- Pursuant to section 27, paragraphs (a) and (b) of the **Dehcho First Nations** (DCFN) Interim Measures Agreement, the MVLWB has determined that written notice was given to the DCFN, and that a reasonable period of time was allowed for DCFN to make representations with respect to the application.
- Pursuant to Schedule 4.1 of the **Northwest Territory Métis Nation** (NWTMN) Interim Measures Agreement, the MVLWB has determined that written notice was given to the NWTMN, and that a reasonable period of time was allowed for NWTMN to make representations with respect to the application.
- Pursuant to section 22.1.4 of the Sahtu Dene and Metis Comprehensive Land Claim Agreement, the MVLWB has determined that written notice was given to the **Sahtu Tribal Council** (STC), and that a reasonable period of time was allowed for STC to make representations with respect to the application.

Preliminary Screener / Referring Body Information

Acho Dene Koe First Nation	GNWT - ENR - South Slave Region - Fort Smith	Naha Dehe Dene Band
Canada Energy Regulator (formerly NEB)	GNWT - Executive and Indigenous Affairs	Norman Wells Land Corporation
Canadian Northern Economic Development Agency - NWT Region	GNWT - HSS (Health and Social Services)	Norman Wells Renewable Resources Council
Conoco Phillips	GNWT - INF (Infrastructure)	North Slave Metis Alliance
Deh Cho Land Use Planning Committee	GNWT - ITI (Industry, Tourism and Investment)	Northwest Territory Metis Nation
Deh Gah Got'ie Dene Council	GNWT - Lands	NWT- OROGO
Dehcho First Nations	GNWT - Lands - Dehcho Region	Pehdzeh Ki First Nation (Wrigley)
Deline Got'ine Government	GNWT - Lands - Hay River Region	Ross River Dena Council
Dene Nation	GNWT - Lands - Sahtu Region	Sahtu Health and Social Services
Dene Tha' First Nation	GNWT - Lands - South Slave Region - Fort Smith	Sahtu Land Use Planning Board
Deninu K'ue First Nation	GNWT - MACA (Municipal and Community Affairs)	Sahtu Renewable Resource Board
Digaa Enterprises Ltd.	GNWT - PPCA (Policy, Planning, Communications and Analysis (w/in ITI))	Sahtu Secretariat Incorporated
Environment and Climate Change Canada	GNWT - PWNHC (Prince of Wales Northern Heritage Centre (w/in ECE))	Sambaa Ke First Nation (Trout Lake)
Evrin Exploration Canada Corp.	Hamlet of Fort Liard	SLWB
Fisheries and Oceans Canada	Hamlet of Fort Providence	Snap Lake Environmental Monitoring Agency (SLEMA)
Fort Norman Metis Nation Local #60 Land Corporation	Hamlet of Tulita	Tlicho Government
Fort Norman Renewable Resources Council	Husky Oil Operations Ltd.	Town of Hay River
Fort Providence Resource Management Board	INAC - CARD	Town of Norman Wells
Fort Simpson Metis Local 52	INAC - NWT Inspectors	Transport Canada
Forward Mining	INAC - Yellowknife	Ttshets'ek'ehdeli First Nation (JMR)
GLWB	Katlodeeche First Nation	Tulita Band Council
GNWT - ENR (Environment and Natural Resources)	Liard First Nation (Yukon)	Tulita District Land Corp.
GNWT - ENR - Deh Cho Region	Liidlii Kue First Nation (Ft Simpson)	Wek' eezhii Renewable Resources Board
GNWT - ENR - EAM (Environmental Assessment and Monitoring)	Mackenzie Valley Environmental Impact Review Board	West Point First Nation
GNWT - ENR - Sahtu Region		WLWB
		Wood

Reasons for Decision
(List all reasons and supporting rationales for preliminary screening decision)

Decision

The Mackenzie Valley Land and Water Board (the Board) is satisfied that the preliminary screening of Application MV2019C0029 – Mineral Exploration - Redbed Resources Corporation – Coates Lake Area NT has been completed in accordance with section 125 of the *Mackenzie Valley Resource Management Act* (MVRMA).

The Board is satisfied that communities and First Nations affected by the Application have been notified and provided adequate time to provide comment on the Application as required by land claim and self government agreements, the MVRMA, policy directions relating to Interim Measures Agreements, and any other applicable legislation and agreements.

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:

- The proposed development will not have a significant adverse impact on the environment; and
- The proposed development is not 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 conditions of a land use permit.

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>

Mackenzie Valley Land and Water Board

January 16, 2020

Mavis Clé-Michaud, Chair