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Staff Report

Applicant: ProCore Drilling Ltd.	
Location: Highway 5, km 34.1	File Number(s): MV2021Q0011
Date Prepared: June 9, 2021	Date of Board Meeting: June 24, 2021
Subject: Renewal Type A Land Use Permit	

1. Purpose

The purpose of this Report is to present to the Mackenzie Valley Land and Water Board (MVLWB/the Board):

- a) A renewal Land Use Permit (Permit) Application submitted by the ProCore Drilling Ltd. (Procore);
- b) Seek confirmation on preliminary screening exemption;
- c) Consider the Waste Management Plan;
- d) Consider the Spill Contingency Plan; and
- e) Consider the Engagement Plan.

2. Background

- May 18, 2021 – Renewal Application (Application) received;
- May 19, 2021 – Application deemed complete and review commenced;
- May 21, 2021 – Expiry of Permit MV2013Q0017;
- June 8, 2021 – Comments and recommendations due and received;
- June 11, 2021 – Responses due;
- **June 24, 2021 – Application presented to the Board for decision; and**
- June 30, 2021 – end of 42-day time period.

3. Discussion

Project

This application is for access to and removal of granular material from a pre-existing quarry located near Hay River, NT, at kilometer 34.1 of NWT Highway #5. The gravel will be used for property improvements

in Hay River (i.e. driveways). ProCore holds a valid Quarry Permit from the Government of the Northwest Territories – Department of Lands. Use of this site was previously permitted under Permit's MV2000A0054 and MV2006Q0011 to Ruskin Construction Ltd. and Stan Dean and Sons Ltd. ProCore Drilling Ltd. received the most recent Permit MV2013Q0017 which expired May 20, 2021.

Procore expects to have one to three people on site, intermittently, between March and November, and has requested a term of five years.

ProCore Drilling Ltd. will use an existing access road; no additional access roads would be required. ProCore Drilling Ltd. has indicated that there are no water bodies nearby.

As the site is pre-disturbed, there is little significant vegetation and much of the overburden and brush has already been removed. If the removal of additional overburden is required, ProCore Drilling Ltd. will windrow it or spread it in areas where the resource has been depleted by previous operators and appropriately grade it to match the surrounding terrain. Restoration will be ongoing throughout the land use. This plan is consistent with past operations for this site.

ProCore Drilling Ltd. has indicated no garbage or sewage will be created on site, and that no camp will be established because the operation is close to Hay River.

ProCore Drilling Ltd. has provided an equipment list in the Application, and has indicated the equipment will be refueled off site or via tidy tank. No bulk fuel or materials are expected to be stored on site.

Management Plans

A Spill Contingency Plan, Waste Management Plan and Engagement Plan were included with the Application. Board staff suggest that this Plans meet applicable guidelines and sufficiently reflect the scope of the proposed activities.

Engagement

An Engagement Record was included in the Application. ProCore Drilling noted they engaged with the following organizations:

- Fort Smith Métis Council
- Salt River First Nations
- Hay River Métis Council
- Kát'odeeche First Nation
- Deninu K'ue First Nation
- Fort Resolution Métis Council
- Northwest Territories Métis Nation

Through a review of the Record, there are no noted concerns or issues brought forward.

Eligibility

As per section 18 of the Mackenzie Valley Land Use Regulations (MVLUR), eligibility must be determined before the Board can issue a permit. As part of its Application, ProCore Drilling Ltd. Indicated it holds a quarry permit. ProCore Drilling Ltd. is eligible for a permit under 18(a)(i) of the MVLUR has been satisfied:

18) A person is eligible for a permit who

- (a) Where the proposed land-use operation is in the exercise of a right to search for, win or exploit minerals or natural resources,*
(i) holds the right.

Type of Area

This Project is in a non-federal area.

Fees

The required Application Fee of \$150.00 was included with the Application.

Term

ProCore Drilling Ltd. has applied for a term of 5 years.

Board staff note that permits can be granted for a period of five years, plus a two-year extension (for a total of seven years).

4. Comments

Triggers

The activities as described trigger a Type A permit as per with paragraph 4(a) of the Mackenzie Valley Land Use Regulations:

(4) No person shall, without a Type A permit, carry on any activity that involves

(a) on land outside the boundaries of a local government,

(ii) the use of a vehicle or machine of a weight equal to or exceeding 10 t, other than on a road or on a community landfill, quarry site or airport,

(iii) the use of a single container for the storage of petroleum fuel that has a capacity equal to or exceeding 4 000L,

(iv) the use of a self-propelled motorized machine for moving earth or clearing land.

(v) the leveling, grading, clearing, cutting or snowploughing of a line, trail or right-of- way, other than a road or existing trail to a building, that exceeds 1.5 m in width or 4 ha in area, for the purpose other than the grooming of recreational trails; or

No water licence is triggered because there is no direct water use or deposit of waste.

5. Public Review

By June 8, 2021, comments and recommendations on the Application were received from 3 Parties:

- Government of the Northwest Territories – Environment and Natural Resources;
- GNWT – Lands (Inspector); and
- GNWT – Lands (North Slave Region).

ProCore Drilling Ltd. did not provide a response, as none was required. The Review Summary and Attachments (attached) presents the concerns identified through this review.

No significant concerns were raised during this review.

Preliminary Screening

On May 22, 2014, the Board approved the preliminary screening for the quarry operation, Highway #5, km 34.1 which is the same location and project as is being applied for (attached). Board staff have reviewed the previous application as well as the current application and have found that the operations are identical.

Board staff are of the opinion that the application as submitted is exempt as per the Exemption List Regulations

Draft Permit

The draft Permit (attached) contains recommended defined terms and conditions based the Board's Standard Permit Conditions and reflects concerns and recommendations raised during the public review.

6. Security

The Board may require security as per section 32 of the Mackenzie Valley Land Use Regulations, which state:

32(1) The Board may require security to be posted in an amount not exceeding the aggregate of the costs of

- (a) Abandonment of the land-use operation;*
- (b) Restoration of the site of the land-use operation; and*
- (c) Any measures that may be necessary after the abandonment of the land-use operation.*

32(2) In setting the amount of security pursuant to subsection (1), the Board may consider

- (a) The ability of the applicant or prospective assignee to pay the costs referred to in that subsection;*
- (b) The past performance of the applicant or prospective assignee in respect of any other permit;*
- (c) The prior posting of security by the applicant pursuant to other federal legislation in relation to the land-use operation; and*
- (d) The probability of environmental damage or significance of any environmental damage.*

With the Application, ProCore Drilling Ltd, submitted an estimate which totaled \$4,125.00. Board staff have also completed the estimate and have come to the same conclusion as ProCore Drilling Ltd.

Board staff would like to note that the GNWT – Inspector did not recommend that security be applied. The previous authorization MV2013Q0017, did not have security applied to the operation.

7. Conclusion

Based on the information provided in the application and the public review, the proposed development is not likely to have a significant adverse impact on the environment or be a cause of public concern.

The draft Permit is based upon the Board’s Standard Condition List, public review, and Board staff recommendations. Board staff conclude that the scope, defined terms, and conditions contained within this draft Permit should mitigate the potential environmental impacts this development may have on the land and water.

Board staff conclude that the Plans, as submitted, conform with the guidelines and can be approved.

Board staff conclude there are no outstanding issues or concerns with this Application.

8. Recommendation

Board staff recommend the Board:

- a) **Confirm the Application for Land Use Permit MV2021Q0011 from ProCore Drilling Ltd. is exempt from preliminary screening as per the Exemption List Regulations.**
- b) **Make a motion to approve the Type A Land Use Permit MV2021Q0011 for a term of 5 years and associated Reasons for Decision.**
- c) **Make a motion to approve the Waste Management Plan** as required by Land Use Permit MV2021Q0011
- d) **Make a motion to approve the Spill Contingency Plan** as required by Land Use Permit MV2021Q0011.
- e) **Make a motion to approve the Engagement Plan** as required by Land Use Permit MV2021Q0011.

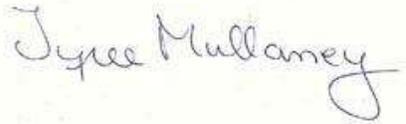
A draft decision letter is attached.

9. Attachments

- [MV2021Q0011](#)
 - [Cover Letter](#)
 - [Application Form](#)
 - [Waste Management Plan](#)
 - [Spill Contingency Plan](#)

- [Engagement Plan](#)
- [Engagement Log](#)
- [Quarry Permit – GNWT – Lands](#)
- [Maps](#)
- [Draft Security](#)
- [Certificate of Incorporation](#)
- [2013 Preliminary Screening](#)
- Review Summary and Attachments
- Draft Land Use Permit Cover Page
- Draft Land Use Permit Conditions
- Draft Reasons for Decision
- Draft Decision Letter from the Board

Respectfully submitted,

A handwritten signature in black ink that reads "Tyree Mullaney". The signature is written in a cursive style and is positioned above the typed name and title.

Tyree Mullaney
Regulatory Specialist

Review Comment Table

Board:	MVLWB
Review Item:	ProCore Drilling Ltd. - New Type A Land Use Permit - MV2021Q0011
File(s):	MV2021Q0011
Proponent:	ProCore Drilling Ltd.
Document(s):	Cover Letter (256 KB) Application Form (1 MB) Waste Management Plan (126 KB) Spill Contingency Plan (1 MB) Engagement Plan (256 KB) Engagement Log (126 KB) Quarry Permit - GNWT - Lands (256 KB) Maps (256 KB) Draft Security Estimate (136 KB) Certification of Incorporation (256 KB) Draft Conditions (Board Staff) (256 KB)
Item For Review Distributed On:	May 19 at 09:54 Distribution List
Reviewer Comments Due By:	June 8, 2021
Proponent Responses Due By:	June 11, 2021
Item Description:	<p>ProCore Drilling Ltd. (the Applicant) has submitted a complete application for a type A land use permit (permit). The purpose of this Application is to conduct a quarry operation in the Hay River Area.</p> <p>Using the Online Review System (ORS), reviewers are invited to submit comments and recommendations on the documents linked below by the review comment deadline specified. Reviewers may also wish to consider providing an overarching recommendation regarding whether the Board should approve the submission, to provide context for the comments and recommendations and assist the Board with its decision. If reviewers seek clarification on the submission, they are encouraged to correspond directly with the Applicant prior to submitting comments and recommendations.</p> <p>Preliminary Screening (Part 5 of the MVRMA): Under the Preliminary Screening Requirement Regulations, the Board must conduct a preliminary screening for a proposed development, unless it is exempt from preliminary screening in accordance with the Exemption List Regulations. Board staff are in agreement with Procore in its belief that a preliminary screening is not required, since the Application replaced a previous 2013 authorization. Reviewers are encouraged to provide comments and recommendations (e.g., on impacts and mitigation measures) to assist with the Board’s preliminary screening determination.</p> <p>Draft Permit: A draft Permit has been developed by Board staff, using the MVLWB’s current Standard Land Use Permit Conditions Template, to allow</p>

Contact Information:	<p>reviewers to comment on possible conditions. These draft materials are not intended to limit in any way the scope of reviewers’ comments. The Board is not bound by the contents of the draft Permit and will make its decision at the close of the proceeding on the basis of all the evidence and arguments filed by all parties.</p> <p>Wildlife and Wildlife Habitat: Please be advised that comments made by reviewers regarding impacts of this project to wildlife and wildlife habitat in this preliminary screening will inform the GNWT Minister of Environment and Natural Resources’ determination regarding whether a Wildlife Management and Monitoring Plan will be required for this Project as per section 95 of the Wildlife Act.</p> <p>All documents that have been uploaded to this review are also available on our public Registry. If you have any questions or comments about the ORS or this review, please contact Board staff identified below.</p>
Contact Information:	<p>Jen Potten 867-766-7468 Tyree Mullaney 867-766-7464</p>

Comment Summary

GNWT - ENR - EAM (Environmental Assessment and Monitoring): Central Email GNWT				
ID	Topic	Reviewer Comment/Recommendation	Proponent Response	Board Decision
4	General File	Comment (doc) ENR Letter to the Board with Comments and Recommendations Recommendation		-
5	General File	Comment (doc) ENR Letter to the Proponent - Directed Only to the Proponent Recommendation		-
1	Topic: Wildlife Abodes	<p>Comment This project may involve: Vegetation disturbance and ground disturbance during summer which may damage or destroy trees or rock crevices that support summer maternity roosts for bats. Based off the information provided in the LUP application it is not clear if there will be vegetation disturbance or clearing in areas beyond the perimeters of the existing borrow sources.</p> <p>Recommendation 1) ENR recommends that the Board include permit condition(s) requiring the following: If bat hibernacula or maternity roosts are encountered during the course of operations, the Permittee shall minimize all activity so as to not disturb them; and The Permittee shall not clear any vegetation or disturb any structures supporting summer maternity roost of a bat species, unless</p>		The condition Habitat Damage has been included in conditions.

		authorized by a General Wildlife Permit obtained from ENR.		
2	Topic: Species at Risk	<p>Comment Section 76 and 77 of the Species at Risk (NWT) Act requires the Minister of Environment and Natural Resources to make a submission to the body responsible for assessing the potential impacts of a proposed development, or for considering a Land Use Permit or Water Licence application, respecting the potential impacts of the proposed development, Permit or Licence application on a NWT-listed or pre-listed species or its habitat. NWT-listed species are those that are on the NWT List of Species at Risk. Pre-listed species are those that have been assessed by the NWT Species at Risk Committee (SARC) but have not yet been added to the NWT List of Species at Risk. The project area overlaps with the ranges of the following NWT-listed and/or pre-listed species; information on these species is available at: https://www.nwt-species-at-risk.ca/SpeciesAtRisk (as of May 2021) . Boreal Caribou - Threatened in the NWT . Little Brown Myotis (bat) - Special Concern in the NWT . Northern Myotis (bat) - Special Concern in the NWT Potential impacts to the species at risk listed above from the project include sensory disturbance and disturbance or destruction of habitat. Due to the location and small scale of the project ENR identifies the project's potential for negative impact to species at risk as low. ENR is satisfied that with the application of the recommendations contained within other sections of this letter to the Board, as well as to the Proponent, that potential impacts to the species at risk listed above can be avoided or minimized.</p> <p>Recommendation 1) ENR recommends that the proponent confirm whether vegetation clearing will be required during the project.</p>		Minimal vegetation clearing will be required.
3	None	<p>Comment None</p> <p>Recommendation 2) ENR supports the Boards inclusion of condition #25 in the draft Land Use Permit which states: The Permittee shall take all reasonable measures to prevent damage to wildlife and fish Habitat during this land-use operation</p>		Noted

GNWT - Lands - Hay River Region: Jayda Robillard				
ID	Topic	Reviewer Comment/Recommendation	Proponent Response	Board Decision
1	Land Use Permit Application MV2021Q0011 Procure Drilling	<p>Comment (doc) The Inspector; has reviewed application and provided the attached recommended changes to the draft LUP conditions.</p> <p>Recommendation The Inspector recommends the permit be granted as applied for with the recommended changes to the draft LUP conditions.</p>		Noted
GNWT - Lands - North Slave Region: Cheryl Larocque				
ID	Topic	Reviewer Comment/Recommendation	Proponent Response	Board Decision
1	PROCORE DRILLING - MV2021Q0011 - LUPA COMMENTS - LETTER	<p>Comment (doc) See attached letter</p> <p>Recommendation See attached letter</p>		Noted



June 8, 2021

Tyree Mullaney
Regulatory Specialist
Mackenzie Valley Land and Water Board
7th Floor – 4922 48th Street
P.O. Box 2130
Yellowknife, NT
X1A 2P6

Dear Ms. Mullaney,

**Re: ProCore Drilling Ltd.
Land Use Permit Application- MV2021Q0011
Quarry Activities - km 34.1 - Highway #5 - Hay River Area
Request for Comment**

The Department of Environment and Natural Resources has reviewed the application at reference based on its mandated responsibilities under the *Wildlife Act* and the *Species at Risk (NWT) Act* and provides the following comments and recommendations for the consideration of the Board.

Topic: Wildlife Abodes

Comment(s):

This project *may* involve:

- Vegetation disturbance and ground disturbance during summer which may damage or destroy trees or rock crevices that support summer maternity roosts for bats.

Based off the information provided in the LUP application it is not clear if there will be vegetation disturbance or clearing in areas beyond the perimeters of the existing borrow sources.

Recommendations:

1) ENR recommends that the Board include permit condition(s) requiring the following:

- If bat hibernacula or maternity roosts are encountered during the course of operations, the Permittee shall minimize all activity so as to not disturb them; and
- The Permittee shall not clear any vegetation or disturb any structures supporting summer maternity roost of a bat species, unless authorized by a General Wildlife Permit obtained from ENR.

Topic: Species at Risk

Comment(s):

Section 76 and 77 of the Species at Risk (NWT) Act requires the Minister of Environment and Natural Resources to make a submission to the body responsible for assessing the potential impacts of a proposed development, or for considering a Land Use Permit or Water Licence application, respecting the potential impacts of the proposed development, Permit or Licence application on a NWT-listed or pre-listed species or its habitat. NWT-listed species are those that are on the NWT List of Species at Risk. Pre-listed species are those that have been assessed by the NWT Species at Risk Committee (SARC) but have not yet been added to the NWT List of Species at Risk.

The project area overlaps with the ranges of the following NWT-listed and/or pre-listed species; information on these species is available at:

<https://www.nwtspeciesatrisk.ca/SpeciesAtRisk> (as of May 2021)

- Boreal Caribou – Threatened in the NWT
- Little Brown Myotis (bat) – Special Concern in the NWT
- Northern Myotis (bat) – Special Concern in the NWT

Potential impacts to the species at risk listed above from the project include sensory disturbance and disturbance or destruction of habitat.

Due to the location and small scale of the project ENR identifies the project's potential for negative impact to species at risk as low. ENR is satisfied that with the application of the recommendations contained within other sections of this letter to the Board, as well as to the Proponent, that potential impacts to the species at risk listed above can be avoided or minimized.

Recommendation(s):

- 1) ENR recommends that the proponent confirm whether vegetation clearing will be required during the project.
- 2) ENR supports the Board's inclusion of condition #25 in the draft Land Use Permit which states: "The Permittee shall take all reasonable measures to prevent damage to wildlife and fish Habitat during this land-use operation".

Comments and recommendations were provided by ENR technical experts in the Wildlife and Fish Division and were coordinated and collated by the Environmental Assessment and Monitoring Section (EAM), Environmental Stewardship and Climate Change Division.

Should you have any questions or concerns, please do not hesitate to contact Patrick Clancy, Environmental Regulatory Analyst at (867) 767-9233 Ext: 53096 or email patrick.clancy@gov.nt.ca.

Sincerely,



Patrick Clancy
Environmental Regulatory Analyst
Environmental Assessment and Monitoring Section
Environmental Stewardship and Climate Change Division
Department of Environment and Natural Resources
Government of the Northwest Territories



June 2, 2021

Ms. Tyree Mullaney
Mackenzie Valley Land and Water Board (MVLWB)
7th Floor, 4922-48th Street
YELLOWKNIFE, NT X1A 2P6

Dear Ms. Mullaney:

Land Use Permit Application: MV2021Q0011 – Procore Drilling Ltd.
Type of Operation: Quarrying
Location: KM 34.1 Sites A & C, NWT Hwy #5

The Department of Lands, North Slave Regional Office reviewed Land Use Permit Application MV2021Q0011 and support the issuance of the permit.

Our Inspectors, Norman McCowan and Jayda Robillard, will provide their comments and recommendations for your consideration, via the LWB Online Review System.

Comments received from Territorial Lands Administration and the Mining Recorder's Office indicate no concerns.

Thank you for the opportunity to comment on this application. Should you have any questions or concerns regarding our comments, please contact our Inspectors, Norman McCowan or Jayda Robillard at (867) 874-6995.

Sincerely,

Scott Stewart
Regional Superintendent
North Slave Region

- c. South Slave Region (Hay River), Department of Lands, GNWT
Land Administration (Yellowknife), Department of Lands, GNWT
Mining Recorder's Office (Yellowknife), Department of Industry, Tourism & Investment, GNWT



June 8, 2021

Darrell Dean - President
Procore Drilling Ltd.
28067B Mackenzie Highway
Hay River, NT
X0E OR4

Dear Mr. Dean,

**Re: ProCore Drilling Ltd.
Land Use Permit Application- MV2021Q0011
Quarry Activities - km 34.1 - Highway #5 - Hay River Area
ENR Letter to the Proponent**

The Department of Environment and Natural Resources (ENR) has reviewed ProCore's application at reference based on its mandated responsibilities under the *Wildlife Act* and provides the following comments and recommendations for your awareness, consideration and appropriate action. ENR is providing these comments separately because they fall under the authority of the *Wildlife Act*, and pertain to requirements under the Act which fall outside of the Board's authority for consideration in setting Land Use Permit conditions. We've included this letter on the Board's online review system to ensure transparency in ENR's review of this application.

Topic 1: Wildlife Abodes

Comment(s):

- Subject to sub-section 51(2) of the *Wildlife Act*, it is illegal to break into, destroy or damage a den, beaver dam or lodge, muskrat push-up or hibernaculum unless you have an Aboriginal or treaty right, license or a permit to do so.
- Protection of dens, beaver lodges, muskrat push-ups, and hibernacula is essential to ensuring reproductive success and survival of both adults and young.
- Subject to sub-section 5.3.(1) of the *Wildlife General Regulations*, no person shall damage, destroy, disturb, or otherwise adversely affect the summer abode of a bat (also referred to as a summer maternity roost), unless authorized by a licence or

permit to do so. This prohibition does not apply to a summer abode in a man-made structure on private property. In the summer, NWT bats roost (rest) in tree hollows or crevices, under tree bark, among the leaves of trees, in caves, in rock crevices, and in buildings. Roosts in forested habitat typically occur in large, dead or decaying trees. Roosts provide shelter, protection from predators, and suitable temperature and humidity conditions. A single roost may be used by many reproducing females and their young. Many bats show strong fidelity to roosts or to a group of roosts, returning year after year to the same roost or to the same patches of roosting habitat. Destruction or removal of a roost may be authorized typically on a case-by-case basis where required by a General Wildlife Permit which can be obtained from ENR.

Recommendation(s):

- 1) The Proponent should contact ENR prior to start-up of project activities to determine if there are any known dens, push-ups, lodges, beaver dams or hibernacula, or bat maternity roosts within the project area.
- 2) The Proponent should avoid vegetation clearing or demolition of buildings or other man-made structures that may be used as summer maternity roosts for bats between May 1 to September 30.
- 3) If bats are suspected to be present in structures or buildings associated with the project, the Proponent should consult the NWT Guide for Managing Bats in Buildings at the following link:

https://www.enr.gov.nt.ca/sites/enr/files/resources/3546-gnwt-enr-bats-guidebook_july15.pdf

- 4) Further guidance on different setback distances and timing windows for wildlife abodes are provided in Table 2-5 of the Northern Land Use Guidelines: Northwest Territories Seismic Operations at the following link:

https://www.lands.gov.nt.ca/sites/lands/files/resources/nlug_seismic_2015_english_-_16_sept_2015.pdf

Topic 2: Reporting Wildlife Sightings

Comment(s)

Proponents are encouraged to record wildlife sightings and to submit these records to ENR's Wildlife Management Information System (WMIS). Wildlife sightings data provides useful information for assessing changes in species distribution and the timing and location of different life history events such as migration, denning, nesting, calving, etc.

Recommendation(s):

- 1) Submit information about wildlife sightings (species, date, time, location, number of individuals, sex, behavior, etc.) to ENR's Wildlife Management Information System (WMIS) at WMISTeam@gov.nt.ca. For further information on the WMIS consult:

<https://www.enr.gov.nt.ca/en/services/recherche-et-donnees/wildlife-management-information-system>

- 2) Blank wildlife sighting report forms can be downloaded from the following link:

https://www.enr.gov.nt.ca/sites/enr/files/resources/sample_procedural_manual_and_reporting_templates_june_2019.pdf

Comments and recommendations were provided by ENR technical experts in the Wildlife and Fish Division and were coordinated and collated by the Environmental Assessment and Monitoring Section (EAM), Environmental Stewardship and Climate Change Division.

Should you have any questions or concerns, please do not hesitate to contact James Hodson, Manager, Wildlife and Environmental Assessment at (867) 767-9237 Ext: 53227 or email James.Hodson@gov.nt.ca.

Sincerely,



Patrick Clancy
Environmental Regulatory Analyst
Environmental Assessment and Monitoring Section
Environmental Stewardship and Climate Change Division
Department of Environment and Natural Resources
Government of the Northwest Territories

Land Use Permit Security Worksheet

Application Number: _____

Input
Amount Multiplier

Camp (C1)			
DRAFT			
Temporary Structures			
Input number of tent frames or weatherhaven (3.5m x 4.2m)	0	\$200.00	\$0.00
Input number of trailers (3.5m x 15.2m)	0	\$300.00	\$0.00
Input total square metres of other temporary structures (i.e. core shacks)	0	\$2.50	\$0.00
Fixed Structures			
Input total square metres of fixed structures	0	\$25.00	\$0.00
Solid Waste			
COPY			
For non-burnable material, input # of person days per season	0	\$1.00	\$0.00
For burnable material, input # of person days per season	0	\$0.50	\$0.00
Total C1			\$0.00

Regulated / Hazardous Materials (R1)			
Based upon on site volume			
Explosives; up to 500 kg (~pallet) dry explosives input 1, if none, input 0	0	\$500.00	\$0.00
Additional Explosives; input total kg >500	0	\$0.50	\$0.00
Drilling Muds (oil based); enter number of 63 m ³ (or equivalent) containers	0	\$1,000.00	\$0.00
Used Oil, Lubes and Antifreeze: enter number of pieces of heavy equipment	3	\$500.00	\$1,500.00
Other;			

Total R1			\$1,500.00

Hydrocarbon Storage and Transfer (H1)			
Based upon on site volume			
Gasoline and Diesel			
Enter total volume of gasoline&diesel <25,000 L	0	\$0.50	\$0.00
Enter total volume of gasoline&fuel > 25,000 L	0	\$0.25	\$0.00
Total Gasoline and Diesel			
	0	25%	\$0.00
When fuel is within bermed site or has other safety feature, enter 1, otherwise enter 0			
Aviation Fuel			
Enter total volume of aviation fuel < 25,000 L	0	\$0.50	\$0.00
Enter total volume of aviation fuel > 25,000 L	0	\$0.25	\$0.00
Total Aviation Fuel			
	0	25%	\$0.00
When fuel is within bermed site or has other safety feature, enter 1, otherwise enter 0			
Total H1			\$0.00

Land Disturbance (L1)			
Disturbed Surface Area			
<i>(Developed surface area that may require restoration through the use of scarification, reseeding, fertilizing or other similar techniques)</i>			
Enter number of hectares disturbed	1	\$1,000.00	\$1,000.00
Other Land Disturbances			
Creek Crossings; enter number of creek crossings	0	\$500.00	\$0.00
Off-Road Activities; if any activities are likely, enter 1	0	\$500.00	\$0.00
Sump Factor; enter total area occupied by sumps in m ²	0	\$10.00	\$0.00
Well Factor; enter number of wells.	0	\$25,000.00	\$0.00
Total L1			\$1,000.00

Land Use Permit Security Worksheet (continued)

Application Number:	Input Amount	Multiplier	
Equipment (E1)			
Based upon type of equipment			
Enter number of pieces of heavy equipment (i.e. dozer, forklift, large gensets)	3	\$1,000.00	\$3,000.00
Enter number of drills	0	\$1,000.00	\$0.00
Enter number of light vehicles (trucks, atvs, snowmobiles, boats)	0	\$250.00	\$0.00
Enter number of small generators or pumps	0	\$100.00	\$0.00
Enter number of empty fuel storage tanks	0	\$500.00	\$0.00
Total E1			\$3,000.00

Security Calculation			
Preliminary Calculation			
Enter amount from C1			\$0.00
Enter amount from R1			\$1,500.00
Enter amount from H1			\$0.00
Enter amount from L1			\$1,000.00
Enter amount from E1			\$3,000.00
Preliminary Calculation, total of above	A		\$5,500.00
Multipliers			
Site Access Multiplier. If the project has all weather road access enter 1, if ice road access enter 1.5, if air access enter 2	B	1	
Performance Multiplier. If applicant has successfully completed the terms of a LUP enter 0.85, otherwise enter 1	C	1	
Environmental Risk Factor. If location has high environmental value or unusual environmental risk enter 2. If location is previously disturbed enter 0.75. Otherwise enter 1.	D	0.75	
Calculated Security			
Multiply preliminary calculation (A) by performance multipliers (B, C and D)	E		\$4,125.00
Existing Securities			
List existing associated permits and amount of overlapping security			
Permit: _____			
Overlapping Securities, total of above	F		\$0.00
Final Security Determination			
Subtract overlapping securities (F) from calculated security (E)			\$4,125.00

Comments

1ha for reclamation - access road the operation is a quarry and will not be reseeded
