

Mackenzie Valley Land and Water Board



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: | X | Sahtu Land and Water Board: | |
| | Wek'èezhii Land and Water Board: | | 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 if necessary. Please review the following guidance for formatting your Application Package:

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



Received: November 14, 2022

File #: MV2022X0022

Copied to: TM /Registry

| | | | |
|--|--|--|--|
| If applicable, reference the existing or current Land Use Permit file number: | MV2017X0014 & MV2016F0017 | | |
| 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: | Leigh Gauthier | | |
| Position: | Program Haed Mining & Industrial Training | | |
| Mailing Address: | PO Box 600, 50 Conibear Street | | |
| Community: | Fort Smith | Telephone: | 867 872-7570 |
| Prov/Terr: | NWT | Email: | LGauthier@auroracollege.nt.ca |
| Postal Code: | X0E0P0 | Other: | |

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

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

| | | | |
|-------------------|----------------------------------|------------|--------------------------------|
| Name: | Aurora College - Thebacha Campus | | |
| Mailing Address: | PO Box 600, 50 Conibear Street | | |
| Community: | Fort Smith | | |
| Prov/Terr: | NWT | Telephone: | 867 872-7582 |
| Postal Code: | X0E0P0 | Email: | DMacdonald@auroracollege.nt.ca |
| Field Supervisor: | Duane MacDonald | Other: | |

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

Please include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and subcontractor.

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

4. LOCATION OF ACTIVITIES

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

| | | | |
|--------------------|--|--------------------|--|
| Minimum latitude: | | Maximum latitude: | |
| Minimum longitude: | | Maximum longitude: | |

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"/> |
|------------------------|--------------------------|---------------------------------------|-------------------------------------|---------------|--------------------------|-----------------|--------------------------|

5. ELIGIBILITY

Please 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"/> |
|-----------|-------------------------------------|------------|--------------------------|-------------|--------------------------|--------|--------------------------|

6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY

Please contact federal, territorial, and Aboriginal 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; include these to your Application Package (e.g. rights, permits, licences, etc.).

Quarry Permit with Lands

7. PERMIT TYPE AND CRITERIA

Please 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): | <input type="checkbox"/> | 4(b)(i): | <input type="checkbox"/> | 5(a)(i): | <input type="checkbox"/> | 5(b)(i): | <input type="checkbox"/> | (SLWB and WLWB only): | <input type="checkbox"/> |
| 4(a)(ii): | <input checked="" type="checkbox"/> | 4(b)(ii): | <input type="checkbox"/> | 5(a)(ii): | <input type="checkbox"/> | 5(b)(ii): | <input type="checkbox"/> | | |
| 4(a)(iii): | <input type="checkbox"/> | 4(b)(iii): | <input type="checkbox"/> | 5(a)(iii): | <input type="checkbox"/> | | | | |
| 4(a)(iv): | <input type="checkbox"/> | 4(b)(iv): | <input type="checkbox"/> | 5(a)(iv): | <input type="checkbox"/> | | | | |
| 4(a)(v): | <input type="checkbox"/> | | | 5(a)(v): | <input type="checkbox"/> | | | | |
| | | | | 5(a)(vi): | <input type="checkbox"/> | | | | |

8. PROJECT DESCRIPTION

Please 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 elements identified in subsection 19(3) of the Mackenzie Valley Land Use Regulations, 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.

We write to request a new Land Use Permit ("LUP") to authorize mining equipment training and related activities at the quarry located at KM232 on the south side of Highway 5 at Salt Mountain just outside of Fort Smith, NT.

We would like to secure an area to run the practical equipment training component of the Underground Mining and Surface Mining programs and the Heavy Equipment Operator training programs.

The quarries will be used to teach students from both the Underground Mining and Surface Mining and the Heavy Equipment Operator training programs how to operate heavy equipment used in the mining industry, construction industry and trucking industry. Equipment used in both Surface & UG training programs includes, a 30T, 40T & 50T UG Haul Trucks, 2 - UG Sandvik Scoop's, 2 - Toyota UG Personnel Carriers, Komatsu 700 loader, Volvo L-60-HIT loader, and a Cat 140 grader.

The HEO program uses the following: 3 - Case 821 loaders, a 320E trackod and a John Deere rubber tired backhoe, Cat D6 & D7 crawler dozers, 2 Volvo 940 Graders, 3 - Class 1 tractor trailers units and 4 tandem axle gravel trucks.

The reason Aurora College is seeking the use of the quarries is because most of these vehicles cannot be operated on public roadways due to their size.

As a part of the practical component of these programs, there will be no quarrying, blasting or any other land disturbing activities that will take place. The students will be moving granular material from one part of the quarry to another part, practicing and learning proper techniques for loading, operating and dumping, and then moving the granular material back. There will be minimal to no impact to the quarry or the surrounding area other than the moving of gravel.

9. CAMP

Please 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.

No camp on site

10. ROADS AND ACCESSES

Please include 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 | <input type="checkbox"/> | Use an “x” to indicate if the route has been laid out or ground-truthed. | Yes | <input type="checkbox"/> |
| | No | <input type="checkbox"/> | | No | <input type="checkbox"/> |

All access road's are already established - no decommissioning of roads will occur.

11. WASTE MANAGEMENT METHODS

Please 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 the 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](#).

| Waste Type | Management Method(s) |
|---|--|
| Garbage: | Taken from site daily and disposed in town landfill. |
| Sewage (Sanitary and greywater): | We have an outhouse for a washroom. |
| Brush and trees: | No brush or tree's will be disturbed |
| Overburden (Organic soils, waste material, etc.): | No overburden will be disturbed |

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.

| |
|--|
| Letter requested from the Town Of Fort Smith on August 30, 2022. |
|--|

12. EQUIPMENT

Please identify the types of equipment proposed to be used.

| Number | Type/Description | Size (weight in tonnes) | Proposed use |
|--------|------------------------|-----------------------------|-------------------------|
| 2 | UG Scooptrams | 38,000 kg's | Basic operator training |
| 4 | UG Toyota's | 2200 kg's | Basic operator training |
| 4 | Wheel Loaders | 12,000 kg's and 71,000 kg's | Basic operator training |
| 3 | Grader | 18,000 kg's | Basic operator training |
| 1 | Skid Steer | 4500 kg's | Basic operator training |
| 3 | Articualed Rock Trucks | 30 ton, 40 ton and a 50 ton | Basic operator training |

13. FUEL

Please 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: | 0 | | | |
| Gasoline: | 0 | | | |
| Aviation Fuel: | 0 | | | |
| Propane: | 2 | 100 pound | Tank | Beside lunchroom |
| Other: (describe) | | | | |

14. METHODS OF FUEL TRANSFER

Please describe the proposed methods to transfer fuel.

All fuel is carried to site in a double walled tidy tank in a pick up truck. All fueling is done from our tidy tanks with spill containment being used every time we transfer fuel - this will eliminate any unwanted fuel spills. Spill pads will be placed beneath the fueling point to catch any potential drip's, spills, etc.

15. SPILL CONTINGENCY PLAN

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

Plan Attached

16. PROPOSED TIME SCHEDULE

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. Refer to subsections 26(5) and (6) of the Mackenzie Valley Land Use Regulations; indicate the term requested.

| | | | |
|---------------------------|---|------------------|-------------|
| Start Date: | March/April | Completion Date: | July/August |
| | | | |
| Term of Permit Requested: | 5 years plus 2 year extension if possible | | |

17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS

Please use the grey field below to provide or reference the following information:

Preliminary Screening: Describe all potential impacts and proposed mitigations. This information is used for the preliminary screening of potential impacts from the project and/or to develop conditions for the land use permit. Please indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Additional guidance is provided in [Appendix B of the MVLWB Guide to the Land Use Permitting Process](#), the [Mackenzie Valley Review Board Environmental Impact Assessment Guidelines](#), and the [Mackenzie Valley Review Board Socio-Economic Impact Guidelines](#). Alternatively, if you are seeking an exemption from preliminary screening, provide supporting rationale.

Effects of the training on the land, water, flora and fauna are expected to minimal to none. The quarry is already in existence and was in the past operated by the GNWT. The only potential for impacts arises from small fuel/oil spills, should they occur. These may occur at the time of fuel transfer from tidy tank to the local equipment, during an unexpected maintenance issue like an oil/hydraulic leak, or during routine maintenance. Furthermore, here is no surface water in the area. In terms of socio economic impacts, these programs are beneficial. The expectation coming out of this training is that the trainees will be able to secure long term employment within the Northern mining industry.

Wildlife Management and Monitoring Plan: Applicants are encouraged to contact the Wildlife Division of the Government of the Northwest Territories – Environment and Natural Resources, prior to applying, to determine whether a Wildlife Management and Monitoring Plan may be needed.

18. CLOSURE AND RECLAMATION

Please 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, please ensure water- and land-related activities and liabilities are provided.

As there will be limited disturbance to the terrain and/or environment by the training programs, restoration will be limited to returning granular material to the area in which it was originally located. This includes leveling out of berms. The students will simply be moving granular material from a starting point to another location and back to the starting point. The GNWT, as per their land use permit, will be required to undertake full restoration of the site at closure.

19. ADDITIONAL SUPPORTING INFORMATION

Please 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 Planning: Please contact the applicable Land Use Planning Board or Tłı̄ch̄ Government to discuss conformity with the relevant land use plan(s). Attach your Land Use Plan Conformity Table that demonstrates 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 Sahtu Land and Water Board. Other applicants are strongly encouraged to include TEK/TK.

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

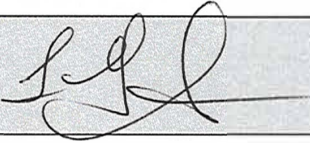
20. FEES

Please refer to section 20 of the Mackenzie Valley Land Use Regulations.

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

21. SIGNATURE

| | |
|--|--|
| LEIGH GAUTHIER | PROGRAM HEAD MINING & INDUSTRIAL TRAINING |
| Applicant's Name (print) or Company Name | Position (print) |

| | |
|---|-------------|
|  | NOV 14/2022 |
| Signature | Date |

Please submit completed applications to the Regulatory Manager or Executive Director at the respective Land and Water Board (www.mvlwb.com, www.wlwb.ca, www.slwb.com, www.glwb.com).

