

# Land and Water Boards of the Mackenzie Valley



## 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:		Sahtu Land and Water Board:	<b>X</b>
	Wek'èezhìi Land and Water Board:		Gwich'in Land and Water Board:	

To complete this Form, please refer to the LWB [Guide to the Land Use Permitting Process](#) (Guide) and fill in the grey fields; attach additional pages, as necessary. Indicate N/A in the grey fields for Items or parts of Items that are not applicable. An application package checklist is provided in the Guide. Review the following LWB guidance for formatting your Application Package:

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

If applicable, provide the existing or current Land Use Permit file number:			
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

Project Name:	The KAP Project		
Applicant's Name:	Jared Suchan		
Position:	V.P. Exploration		
Company Name:	Integral Metals Corp.		
Mailing Address:	#610 505 3 <sup>rd</sup> Street SW		
Community:	Calgary	Telephone:	306-531-6022
Prov/Terr:	Alberta	Email:	<a href="mailto:jared@integralmetals.com">jared@integralmetals.com</a>
Postal Code:	T2P 3E6	Other:	

**2. NAME AND CONTACT INFORMATION – APPLICANT’S HEAD OFFICE**

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

Use an “X” to indicate this information is the same as Item 1 above:		<b>X</b>	
Name:			
Position:			
Company Name:			
Mailing Address:			
Community:			
Prov/Terr:		Telephone:	
Postal Code:		Email:	
Field Supervisor:		Other:	

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

Include relevant names, responsibilities, and contact information. An additional table should be added for each contractor and sub-contractor.

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

<b>X</b>	Use an “X” to indicate that contractor and/or subcontractor information is not available at this time.
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**4. LOCATION OF ACTIVITIES**

Use the grey fields below to provide or reference the following information:

Traditional Place Name: Raven’s Throat River - Tátsók’áá Deé

Maps and Geographic Information System (GIS) Data: Include a map in your Application Package identifying local geographic features, watercourses and water sources, project structures, and location(s) of any proposed waste deposits. Provide geographic coordinates (latitude and longitude) of project features, and the maximum and minimum project boundary in degrees, minutes, seconds, or decimal degrees. Include GIS data in your Application Package, if applicable. Refer to the LWB [Geospatial Data Submission Standards](#) for providing geographic information.

Minimum latitude:	63.100371	Maximum latitude:	63.334968
Minimum longitude:	-126.479064	Maximum longitude:	-127.055949

NTS Map Sheet No.: Provide the map sheet number: 095M 1, 2, 3, 6, 7, 8

GIS Data: Use an “X” to indicate if GIS data is attached. Attached: X Not Available:

**Land Types:** Use an “X” to indicate the type(s) of the land on which the activities are proposed:

Free Hold/ Private:		Commissioner’s/ Territorial Lands:	X	Federal Land:		Municipal Land:	
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**5. ELIGIBILITY**

Refer to section 18 of the [Mackenzie Valley Land Use Regulations](#). Use an “X” to indicate which one applies:

18(a)(i):	X	18(a)(ii):		18(a)(iii):		18(b):	
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**6. RIGHTS AND/OR CONTRACTS TO SUPPORT ELIGIBILITY**

Contact Indigenous, federal, and territorial 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 the proposed activities; reference these in your Application Package (e.g., rights, permits, licences, etc.).

**Mineral Claims**  
*KAP 1-6*  
 M12414; M12415; M12416; M12417; M12418; M12420

**Prospectors License**  
 N34874

**7. PERMIT TYPE AND CRITERIA**

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):		4(b)(i):	X	5(a)(i):		5(b)(i):		(SLWB and WLWB only):	
4(a)(ii):	X	4(b)(ii):	X	5(a)(ii):		5(b)(ii):			
4(a)(iii):		4(b)(iii):	X	5(a)(iii):					
4(a)(iv):	X	4(b)(iv):		5(a)(iv):					
4(a)(v):				5(a)(v):					
				5(a)(vi):					

**8. PROJECT DESCRIPTION**

Include a project description in your Application Package, or for small-scale projects, describe the proposed activities in the grey field provided below. For each and all proposed water uses, include the name and type (e.g., lake, river) of water source(s), and the purpose and quantity of water to be used (rates, volumes (m<sup>3</sup>/day)).

Please see attached for project description.

Indicate the total number of hectares to be used in each phase of the project, as well as through the life of the project.

It is estimated that approximately 450 hectares of the project will be explored by potential drilling in the initial phase, parts of which may be used for supporting camp and fuel storage. This area is where a drill could be expected to be placed and moved around by helicopter.

### 9. CAMP

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.

The camp will consist of several different tent varieties, including: sleepers, office, kitchen, mess, dry, core logging, generator, and washroom. This layout will accommodate up to 30 people for sleeping, with expected usage around 15 people for the majority of the work campaign. The higher number would be to accommodate management or additional consultants etc. Expected person days is approximately 2,500 per year.

### 10. ROADS AND ACCESSES

Provide 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	<b>X</b>	Use an "X" to indicate if the route has been laid out or ground-truthed:	Yes	
	No			No	

At this point in time there are no planned roads or additional access. If the drilling program is successful and expands, it would be prudent to connect to a winter road for access. Any winter roads constructed would be for logistical support of the program. Until further exploration work is completed on the project, it is not known at this point in time where such access roads would need to go. We would ensure that any such access would be guided by an Archaeological Impact Study, and would have this completed before any placement of routes is decided.

### 11. PROPOSED WASTE MANAGEMENT METHODS

Use the grey fields below to provide or reference the following information:

Waste Management Plan: Include a 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 LWB [Guidelines for Developing a Waste Management Plan](#).

Waste Type	Management Method(s)
Garbage:	See attached Waste Management Plan
Sewage (Sanitary and greywater):	See attached Waste Management Plan
Brush and trees:	See attached Waste Management Plan
Overburden (Organic soils, waste material, etc.):	Not applicable
Other (describe):	Not applicable

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. Please note this information will be required by the Board prior to commencement of activities.

**12. EQUIPMENT**

Identify the types of equipment proposed to be used.

Number	Type/Description	Size (weight in tonnes)	Proposed use
	See attached Project Description		

**13. FUEL**

Identify all fuel types proposed to be used.

Type of Fuel	Number of containers	Capacity of containers (e.g., litres, pounds)	Type of container (e.g., barrel, tank, tidy-tank)	Proposed storage or staging location(s)
Diesel:	Up to 50	205 L	Drums, Tanks	To be determined
Gasoline:	Up to 25	205 L	Drums, Tanks	
Aviation Fuel:	Up to 75	205 L	Drums, Tanks	
Propane:	Up to 30	45 kg	Tanks	
Other: (describe)		2,000L Total	Varies	

**14. METHODS OF FUEL TRANSFER**

Describe the proposed methods to transfer fuel.

Electrical pump or hand-operated wobble pump. Vehicle or aircraft fuelling will make use of secondary containment to minimize spillage risk. Spill kits will be available at all fuel storage and transfer sites.

**15. SPILL CONTINGENCY PLAN**

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

Please see attached Spill Contingency Plan.

**16. PROPOSED PROJECT SCHEDULE AND TERM**

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. Indicate the term requested.

Start Date:	August 2024	Completion Date:	August 2029
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This operation may occur throughout the year with pauses that may take place during spring break-up or fall freeze-up.

Term of Permit Requested: 5 years

**17. POTENTIAL ENVIRONMENTAL IMPACTS OF THE PROJECT AND PROPOSED MITIGATIONS**

If the proposed project, or parts of the proposed project, may be exempt from preliminary screening, describe the rationale for the exemption in the grey field below. Include the date of the most recent screening, and/or the environmental assessment or impact review number.

Not applicable

Unless the project could be exempt from preliminary screening, using the Impact-Mitigation Table below, or the more detailed Table in Appendix D of the [Guide](#), identify all potential impacts and possible mitigations that are relevant to the proposed project, and indicate whether any of the mitigation measures have been developed as a result of input from affected parties. Possible potential impacts are listed below; however, these lists are not exhaustive and may not apply to all projects. All information provided should reflect the size, scale, and nature of the proposed project. Cumulative impacts and climate change must be considered. Attach additional pages if needed. Use landscape orientation if preferred.

Potential Impacts <i>Use an "X" to indicate which apply</i>	X	Potential Project Impacts and Proposed Mitigations <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
<b>ABIOTIC COMPONENTS</b>		
<b>Land</b>		
Soil contamination		Please see attached Project Description
Soil compaction		
Destabilization/erosion		
Change in soil structure		
Inability to support vegetation		
Other		
<b>Water</b>		
<b>Groundwater</b>		
Water table alteration		
Infiltration changes		
Changes in water quality		
Temperature changes		
Other		
<b>Permafrost</b>		
Loss or change in extent		
Changes in seasonal fluctuations		
Change in persistence		
Other		

<b>Potential Impacts</b> <i>Use an "X" to indicate which apply</i>	<b>X</b>	<b>Potential Project Impacts and Proposed Mitigations</b> <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
<b>Surface Water</b>		
Water flow or level changes (permanent, temporary, seasonal)		
Drainage pattern changes		
Temperature changes		
Changes in water quality		
Wetland impairment		
Changes to aquatic habitat (see Biotic section below)		
Other		
<b>Air</b>		
Changes in air quality		
Harm to living things		
Increased greenhouse gases		
Other		
<b>BIOTIC COMPONENTS</b>		
<b>Vegetation</b>		
Direct loss of vegetation		
Loss of Species at Risk or may-be-at-risk plants		
Change in species composition		
Introduction of non-native (invasive) species		
Effects on plant health (dust, metals, toxins)		
Increased risk of fire		
Compaction of vegetation		
Other		
<b>Terrestrial Wildlife Habitat</b>		
Direct loss or removal of habitat, dens, or nests		
Loss or removal of keystone species and/or Species at Risk habitat		
Fragmentation of wildlife corridor		
Direct injury or mortality		
Disturbances to key lifecycle stages: breeding, feeding, nesting, staging		
Effects on population abundance		
Change in species diversity		
Effects on wildlife health (toxins, metals, etc.)		
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Human-wildlife conflicts		
Other		
<b>Aquatic Habitat</b>		
Breeding disturbances		
Change in species diversity		
Effects on health (toxins, metals, sediment, etc.)		

<b>Potential Impacts</b> <i>Use an "X" to indicate which apply</i>	<b>X</b>	<b>Potential Project Impacts and Proposed Mitigations</b> <i>Describe the potential impact(s) and the proposed measure(s) to reduce each of these impacts.</i>
Changes to migratory movement patterns		
Changes to predator-prey relationships		
Effects on population abundance		
Change in species diversity		
Other		
<b>CULTURAL COMPONENTS</b>		
<b>Wildlife Harvesting</b>		
Loss or reduction in game species populations		
Effects on traditional land use, subsistence, and harvesting rights		
Other		
<b>Cultural Integrity and Heritage Resources</b>		
Change to or loss of cultural integrity		
Change to or loss of traditional lifestyle		
Change to or loss of heritage resource		
Other		
<b>Social and Economic Well-being</b>		
Increased human health hazard and risk		
Economic opportunities or losses (employment, training)		
Change in ecological, cultural, social, or economic values identified for protection in approved Land Use Plans		
Impairment of the recreational or traditional uses of the land or water		
Impairment of the aesthetic quality of the land or water		
Changes to the use of the area by other non-Indigenous people (e.g., trappers, outfitters, residents, hunters, forest harvesters, other authorized projects)		
Other		

## 18. CLOSURE AND RECLAMATION

Use the grey field below to provide or reference the following information:

**Closure and Reclamation Plan:** Include a Closure and Reclamation Plan in the Application Package, if applicable, or for small-scale projects, describe the proposed closure and reclamation activities in the grey field provided below. Describe any temporary closure(s) and seasonal shutdowns. Please also refer to the LWB/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 Board staff, 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 LWB/GNWT/CIRNAC [Guidelines for Closure and Reclamation Cost Estimates for Mines](#). If the Application is



submitted concurrently with a Water Licence Application, the estimate should include a breakdown of water- and land-related activities and liabilities.

Please see attached Project Description.

## 19. ADDITIONAL SUPPORTING INFORMATION

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 LWB [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 Plans:** Contact the applicable Land Use Planning Board or the Tłı̨cẖ Government for assistance in interpreting the requirements of the relevant land use plan(s). Include a Land Use Plan Conformity Table, or if applicable, written confirmation of conformity from the Tłı̨cẖ Government, in your Application Package, demonstrating how the project meets the requirements of the Land Use Plan, if applicable.

**Traditional Knowledge (TK):** Provision of TK is mandatory for applications to the SLWB. Other applicants are strongly encouraged to include TK.

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

## 20. FEES

Refer to the Guide for assistance in determining relevant fees.

Type of Fee	Amount (\$)
Application fee (if applicable):	\$150

Land-use fees (for federal areas only):	\$
Total Fees:	\$150

If fees are submitted separately, indicate how and when they will be delivered to the Board's office.

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**21. SIGNATURE**

Jared Suchan Integral Metals Corp.	V.P. Exploration
Applicant's Name (print) or Company Name	Position (print)

Signature	Date

Review the application package checklist provided in the Guide, and submit completed applications to the Regulatory Manager or Executive Director identified on the "Contact Us" pages of the respective Land and Water Board ([www.mvlwb.com](http://www.mvlwb.com), [www.wlwb.ca](http://www.wlwb.ca), [www.slwb.com](http://www.slwb.com), [www.glwb.com](http://www.glwb.com)).