



APPLICATION FOR APPROVAL DIVISION 5 – METAL MINING

Complete all sections of this Application. If the information submitted is incomplete, or if supporting documentation is of poor quality (plans, maps, etc.) the process may be delayed, or the application may be returned or rejected.

The application fee must be submitted with application. Refer to Fee Regulations:

<https://novascotia.ca/just/regulations/regs/envfees.htm>

For further guidance, refer to the Operational Approval Process:

<https://novascotia.ca/nse/pubs/docs/ecc-operational-approvals.pdf>

Type of Application: New Application Renewal Amendment Transfer

If applicable, provide the previous Approval # _____

SECTION 1 APPLICANT

If there is more than one applicant, attach a complete list of applicants with the information below.

Company/Organization/Municipality Business number (BN) (if applicable)

First name Middle initial Last name

Primary phone number Ext. Secondary phone number Ext. Fax

E-mail

Civic/street address

Mailing address (if different than Civic)

Community County Province Postal code Country

Note: Following application decision, all correspondence will go to the Applicant.

Preferred method of contact? Email Letter

APPLICATION FOR APPROVAL DIVISION 5 – METAL MINING

SECTION 2 APPLICATION CONTACT

Is the Application Contact the same as Section 1 Applicant?	Yes	No
If yes, skip to Section 3.		

If there is more than one contact, attach a complete list of contacts with the information below.

Company/Organization/Municipality				Business number (BN) (if applicable)	
First name		Middle initial	Last name		
Primary phone number	Ext.	Secondary phone number	Ext.	Fax	
E-mail					
Civic/street address					
Mailing address (if different than Civic)					
Community	County	Province	Postal code	Country	

Note: Following application decision, all correspondence will go to the Applicant.

Preferred method of contact?	Email	Letter
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APPLICATION FOR APPROVAL DIVISION 5 – METAL MINING

SECTION 3 SITE/LOCATION OF PROPOSED ACTIVITIES

If there is more than one Site, attach a complete list with the information below.

Site name

Size of activity (hectares)

For each property associated with this site, fill out the information below. If the activity/facility covers more than one property, copy and attach additional information.

Civic/street address

Lot number

Community

County

Property identification number(s) (PID), available at the Nova Scotia Land Registry.

Location of activity/facility:

Use NAD83 or WGS84

Easting (6 digits)

Northing (7 digits)

Zone

Additional directions to site (if applicable)

APPLICATION FOR APPROVAL DIVISION 5 – METAL MINING

SECTION 4 ACTIVITIY DETAILS

Please check which activity/activities you are applying for:

Mineral Processing Plant - Activities Designation Regulations 16(2)(c)

Surface Mine - Activities Designation Regulations 16(2)(d)

Underground Mine - Activities Designation Regulations 16(2)(e)

Type of work (select all applicable):	Construction	Operation	Reclamation		
Do historical tailings exist on site:	Yes	No	If yes, will they be disturbed?	Yes	No

Where will historical tailings be disposed (if applicable)?

SECTION 5 SUPPORTING DOCUMENTATION

This section is intended to help proponents meet the minimum requirements when submitting a new application for an Industrial Approval application related to the construction, operation, and reclamation of metal mines. For application renewals, amendments or transfers, this information may only be required if there have been changes to the proposed activity. This application follows receipt of Environmental Assessment approval. All supporting documentation must be submitted in accordance with the [“Approval and Notification Procedures Regulations”](#) to the nearest Regional Office, who can also provide further assistance with your application if needed. Additional information may be requested.

In the event of a discrepancy between this checklist and the *Environment Act* or its associated Regulations, the Act and Regulations shall prevail.

Please ensure all information is provided in the metric units indicated and include a legend for all maps that describes symbols used, scale, and north orientation.

Please review the [What You Can Expect To See in Your Approval for Metal Mining](#) to review requirements to be completed and submitted outside of this Application Checklist. These requirements identify work to be completed in a phased approach such as prior to the start of grubbing, blasting, ore processing, construction of the Tailings Management Facility, or the disturbance of historic tailings.

APPLICATION FOR APPROVAL DIVISION 5 – METAL MINING

COMPONENT	MINIMUM INDUSTRIAL APPROVAL APPLICATION SUBMISSION REQUIREMENTS	COMPLETED
ENVIRONMENTAL ASSESSMENT APPROVAL	<ul style="list-style-type: none"> All deliverables required by the Environmental Assessment Approval as part of the Industrial Approval Application. 	
PROJECT DESCRIPTION	<ul style="list-style-type: none"> Updated project description, if there has been a change to the information previously submitted in the Environmental Assessment Registration. 	
CONSTRUCTION	<ul style="list-style-type: none"> Permitting drawings, signed and stamped by a Professional Engineer for all infrastructure and associated works or, if available, issued-for-constructions drawings. 	
GEOCHEMICAL ANALYSIS	<ul style="list-style-type: none"> Detailed analysis, including estimated lag time, of all geological materials that will be disturbed during the project in accordance with Mine Environment Neutral Drainage (MEND) Report 1.20.1*. 	
	<ul style="list-style-type: none"> Plan that outlines the sampling frequency of all geological materials to validate the pre-mining predictions. 	
	<ul style="list-style-type: none"> Comprehensive plan to prevent and control metal leaching and acid rock drainage for each material, following MEND Report 5.4.2d*. 	
MINE	<ul style="list-style-type: none"> Describe the mine type, excavation size, mining methods, daily maximum waste and ore production rates. 	
	<ul style="list-style-type: none"> A table outlining the annual production schedule for the life of the project of all materials including overburden, topsoil, waste rock, and ore. 	

* Referenced documents are available upon request from the Department.

COMPONENT	MINIMUM INDUSTRIAL APPROVAL APPLICATION SUBMISSION REQUIREMENTS	COMPLETED
MINERAL PROCESSING FACILITY	<ul style="list-style-type: none"> Flow diagram that shows the entire processing circuit. 	
GROUNDWATER AND SURFACE WATER (WATER QUALITY COMPLIANCE CRITERIA AND WATER MANAGEMENT PLANS)	<ul style="list-style-type: none"> For groundwater, provide proposed Water Quality Compliance Criteria for all potential contaminants of concern based on baseline and background water quality, the receiving environment, and ecological and human receptors, including current and potential future water use. 	
	<ul style="list-style-type: none"> For groundwater, provide rationale for the selected reference guidelines and/or the methodology used to establish the proposed site-specific Water Quality Compliance Criteria. 	
	<ul style="list-style-type: none"> For surface water, provide proposed Water Quality Compliance Criteria for all potential contaminants of concern based on baseline and background water quality, the receiving environment, and ecological and human receptors, including current and potential future water use. 	
	<ul style="list-style-type: none"> For surface water, provide rational for the selected reference guidelines and/or the methods used to establish the proposed site-specific Water Quality Compliance Criteria. 	
	<ul style="list-style-type: none"> For effluent discharge, provide proposed Water Quality Compliance Criteria for all potential contaminants of concern at each effluent discharge location. Base these criteria on baseline surface water quality, the receiving environment, and ecological and human receptors, including current and potential future water use. 	
	<ul style="list-style-type: none"> For effluent discharge, provide justification for the selected reference guidelines and/or the methodology used to establish the proposed site-specific Water Quality Compliance Criteria. 	
	<ul style="list-style-type: none"> Water monitoring plan in accordance with the Department's "Guide to Developing Water Monitoring Plans at Metal Mines in Nova Scotia", including conceptual site model, baseline water study, surface water monitoring plan, groundwater monitoring, site plan, water data (electronically in an unlocked spreadsheet), related documentation, and figures. 	

COMPONENT	MINIMUM INDUSTRIAL APPROVAL APPLICATION SUBMISSION REQUIREMENTS	COMPLETED
GROUNDWATER AND SURFACE WATER -CONT.	<ul style="list-style-type: none"> Surface water management plan in accordance with the Department's "Guide to Developing a Surface Water Management Plan at Metal Mines in Nova Scotia" including a hydrological assessment, details on surface water measures, monitoring program, contingency plan and related documentation, figures and data (electronically in an unlocked spreadsheet). 	
TAILINGS MANAGEMENT FACILITY	<ul style="list-style-type: none"> Design criteria following the Canadian Dam Association Guidelines, including a climate change factor based on Environment & Climate Change Canada's recommended "Primer on Climate Change and Extreme Precipitation". 	
	<ul style="list-style-type: none"> Signed letter from the Engineer of Record confirming that applicable regulations and guidelines have been followed, and that the standard of practice has been met for site characterization, design, construction, monitoring and closure. 	
	<ul style="list-style-type: none"> Issued-for-construction drawing(s), signed and stamped by the Engineer of Record. If unavailable at the time of the Industrial Approval Application, stamped permitting drawings are acceptable. 	
RECLAMATION SECURITY	<ul style="list-style-type: none"> Reclamation Plan with a financial security estimate to restore the disturbed land and water quality to the criteria limits submitted with the Industrial Approval Application. 	
UNDERGROUND MINE	<ul style="list-style-type: none"> Written confirmation from the Executive Director of the Occupational Health and Safety Division of the Department of Labour, Skills and Immigration as outlined in Section 53(5) of the <i>Environment Act</i>. 	

APPLICATION FOR APPROVAL DIVISION 5 – METAL MINING

SECTION 6 DECLARATION

Information in this application package, which the applicant considers to be confidential business information, should be clearly identified. Are you making this request? Yes No

If yes, indicate which information in the Supporting Documentation is considered confidential.

I acknowledge it is an offense under Section 158 of the Environment Act to provide false or misleading information, and confirm to the best of my knowledge and belief the information provided in this form and supporting documentation is true and accurate and complies with the relevant provisions of the Environment Act and Regulations.

Ownership of site. Select the option(s) that applies to your situation.

I own the site.

I have a lease or other written agreement or option with the landowner or occupier that enables me to carry out the activity on the site.

I have the legal right or ability to carry out the activity without the consent of the landowner or occupier.

Provide proof of ownership and/or agreement(s). Indicate when this will be provided: (Check ☒ only one)

Submitted with this application.

Submitted prior to the start of clearing and/or grubbing.

Name (print or type)

Date: (yyyy/mm/dd)

Applicant's signature

OR

I certify that I am acting with the applicant's full consent and have provided documentation that outlines this authority.

Name (print or type)

Date: (yyyy/mm/dd)

Signature