

The Placer Mine Application Requirements, outlined below, are intended to support proponents who are completing a [Notice of Work \(NoW\) application](#). Proponents are encouraged to include the applicable information in their application and work with a Regional Permitting Inspector to ensure the application is complete. Proponents who are more advanced in their mineral exploration activities are encouraged to review the production sections below and ensure their application includes all relevant information. Proponents should contact a [Regional Permitting Inspector](#) if they have questions or require clarification.

Placer Application Requirements	
NoW Application Requirements	Supplemental or Code Specific Requirements
Project Information:	
<ul style="list-style-type: none"> • Project Name 	
<ul style="list-style-type: none"> • Applicable Mine Manager contact names, phone and fax numbers and email addresses 	
<ul style="list-style-type: none"> • Contact information for key corporate health and safety, environmental affairs, community relations (Not Mandatory) 	
<ul style="list-style-type: none"> • Registered legal name and registered address of the operating company 	
Application Information:	
<ul style="list-style-type: none"> • New permit or amendment 	
<ul style="list-style-type: none"> • One-year, multi-year 	
<ul style="list-style-type: none"> • Mine number (if mine already exists) 	
<ul style="list-style-type: none"> • Property name 	
<ul style="list-style-type: none"> • Mineral Title Number(s) 	
<ul style="list-style-type: none"> • Crown Grant/district lot numbers 	
<ul style="list-style-type: none"> • Detailed site access directions 	
<ul style="list-style-type: none"> • Geographic co-ordinates of the site 	
<ul style="list-style-type: none"> • Land Ownership 	
<ul style="list-style-type: none"> • Recorded Holder of Mineral Titles 	Written approval of tenure owner
<ul style="list-style-type: none"> • Private Land 	Must comply with section 11 and 19(1) of the <i>Mineral Tenure Act</i> and section 2.1 of the <i>Mineral Tenure Act Regulations</i>

	<p>Notify the surface land owners > 8 days prior to commencement of work on those lands. Notice must include:</p> <ul style="list-style-type: none"> • when the authorized activities will occur • the name, address and contact info of the mineral title holder and on-site person responsible for the work • a description of the proposed activities • the approximate number of people to be present on-site • a map or written description of where the work will be undertaken
<ul style="list-style-type: none"> • Mineral Crown Grants 	Research rights under Crown Grant
<ul style="list-style-type: none"> • Located in a community watershed 	Contact Water Management Branch, Resource Stewardship Division at water.business@gov.bc.ca for further information
Indigenous Engagement:	
<ul style="list-style-type: none"> • Have you engaged with impacted Indigenous Nations regarding proposed activity? If yes, please submit a communication summary. 	Refer to the Consultative Area Database
Present Land Use and Condition:	
<ul style="list-style-type: none"> • Land capability and present land use / condition of the land (existing/historical disturbance, cultural and archaeological sites, and any old equipment or building/cabins on-site) • Is your claim in an Agricultural Land Reserve? 	
<ul style="list-style-type: none"> • Other uses (park, community watershed, recreation) 	
<ul style="list-style-type: none"> • Vegetation, wildlife, physiography 	
<ul style="list-style-type: none"> • Surficial geology and terrain mapping/ physiography (topography, elevation, presence of wetlands and riparian areas) 	
<ul style="list-style-type: none"> • Inhabited places in vicinity 	
Maps:	
<ul style="list-style-type: none"> • A Regional Map which locates the property in relation to the nearest community with access route from the community to the site • Include shapefiles for the proposed work area 	

<ul style="list-style-type: none"> • A Tenure Map, at a scale of 1:20,000 or less, which must show the boundaries of the tenure(s) and tenure number(s), claims, leases or licences 	
<ul style="list-style-type: none"> • A Map of Proposed Work, at a scale of 1:10,000 or less (project specific) which must show topography, water courses, existing access, existing disturbance, contour lines, distances of activity from known streams, wetlands or lakes, known cultural heritage resources and/or protected heritage property, and include all proposed mining related activities, and the total extent of the mine 	
Mine Plans:	
<ul style="list-style-type: none"> • The design of mine excavations, openings, support systems, fixtures, features, methods of operation and all other works necessary to operate a mine shall meet acceptable standards of practice and be carried out under the authority of a qualified person 	Project specific: <ul style="list-style-type: none"> • The Chief Inspector may require the qualified person to be a professional engineer or other licensed professional as may be appropriate
<ul style="list-style-type: none"> • Under 6.1.1 of the Code, the design and workings must meet acceptable standards of practice and be carried out under the authority of a qualified person 	If the mine meets any the thresholds below, then the qualified person will be required to be a professional engineer: <ul style="list-style-type: none"> • Mine pits, faces or other excavations exceed 30m in height • The creation of "major dumps" (as defined in HSRC) • Production capacity of $\geq 250\ 000$ tonnes/year of pay dirt • Underground placer mining
Proposed Activities Phase I- Testing/Exploration:	
<ul style="list-style-type: none"> • Trails, roads and access planned <ul style="list-style-type: none"> ○ Location ○ Length (km) ○ Disturbed Area (ha) ○ Gates ○ Bridges, culverts and other stream crossings 	Construct trails and roads to a standard identified in the guidebook for Mineral and Coal Exploration in British Columbia or the Ministry of Forest Engineering Manual
<ul style="list-style-type: none"> • Exploration techniques will be used to define the placer mineral resource: Geophysics surveys (e.g., IP, seismic, ground penetrating radar, magnetic), drilling (e.g., rotary, reverse circulation or sonic), excavations (e.g., small pits or trenches) 	

<ul style="list-style-type: none"> • Trenching /Testpits/Excavations <ul style="list-style-type: none"> ○ Number of sites ○ Length of Disturbed Area (m) ○ Width of Disturbed Area (m) ○ Depth (m) ○ Total Volume (m3) 	<p>Sections 4.17, 6.23, 6.24.1 and 10.7.13 of the Code provide minimum standards for construction and excavations that all placer operations must adhere to</p> <p>Maximum thresholds for activities without requiring a permit (as per Mineral Titles Update 38):</p> <ul style="list-style-type: none"> • The total volume of each pit or trench does not exceed 3 cubic metres in volume • Each pit or trench does not exceed 1.2 metres in depth • The cumulative total of all un-reclaimed pits and/or trenches does not exceed 5 pits and/or trenches at any one time <p>Excavations:</p> <ul style="list-style-type: none"> • All excavations over 6m in depth shall be carried out in accordance with the written instructions of a professional engineer
<ul style="list-style-type: none"> • Stockpiles and dumps of vegetation, soil layers and overburden which is not considered pay dirt <ul style="list-style-type: none"> ○ Location ○ Size of disturbance (ha) ○ Height (m) ○ Amount of material (m3) 	<p>Site specifics may require qualified professional to prepare and maintain a plan pursuant to Section 10(1) of the Mines Act, consistent with good engineering practice for dumps, stockpiles, minor impoundments, roads, or ramps that are constructed as part of a dumping operation, the plan shall include monitoring for safety</p>
<ul style="list-style-type: none"> • Temporary camps and related buildings <ul style="list-style-type: none"> ○ Number of people in the camp ○ Number of structures on site ○ Description of structures ○ Waste disposal methods ○ Sanitary facilities (for black or grey water) ○ Source(s) of water supply ○ Total disturbed area (ha) 	<p>May require contact with:</p> <ul style="list-style-type: none"> • the nearest Regional Health Authority • the BC Safety Authority • WorkSafe BC
<ul style="list-style-type: none"> • Fuel storage <ul style="list-style-type: none"> ○ Amount of fuel to be stored (L) ○ Storage method (bulk or barrel) 	<p>Include a 'Spill Response Plan' in the 'Mine Emergency Response Plan'</p>
<ul style="list-style-type: none"> • Equipment <ul style="list-style-type: none"> ○ For each piece of equipment (drill, excavator, bulldozer, pump, loader, compressor, etc.) indicate: <ul style="list-style-type: none"> ○ Type ○ Size/capacity ○ Number/quantity to be employed 	

<ul style="list-style-type: none"> • Portable sampling sluice water source, discharge pond 	<p>May require discharge permit – contact Ministry of Environment</p>
<ul style="list-style-type: none"> • Detailed five-year mine plan <ul style="list-style-type: none"> ○ The design of mine excavations, openings, support systems, fixtures, features, methods of operation and all other works necessary to operate a mine shall meet acceptable standards of practice and are carried out under the authority of a qualified person ○ Proposed total disturbance ○ Phases of mine development 	<p>Project specific:</p> <ul style="list-style-type: none"> • The Chief Inspector may require the qualified person to be a professional engineer or other licensed professional as may be appropriate • Production capacity of $\geq 250\,000$ tonnes/year of pay dirt will be reviewed for an Environmental Assessment
<p>Proposed Activities Phase II- Production:</p>	
<ul style="list-style-type: none"> • Trails, roads and access planned <ul style="list-style-type: none"> ○ Location ○ Length (km) ○ Disturbed Area (ha) ○ Gates ○ Bridges, culverts and other stream crossings 	<p>Construct trails and roads to a standard identified in the guidebook for Mineral and Coal Exploration in British Columbia or the Ministry of Forest Engineering Manual</p>
<ul style="list-style-type: none"> • Resource Evaluation Requirements: <ul style="list-style-type: none"> ○ Layers of stratigraphy (amount of pay material vs overburden) ○ Verification of pay dirt resource from exploration phase of the project ○ ARD/ML characterization 	
<ul style="list-style-type: none"> • Trenching/Testpits /Excavations <ul style="list-style-type: none"> ○ Number of sites ○ Length of Disturbed Area (m) ○ Width of Disturbed Area (m) ○ Depth (m) ○ Total Volume (m3) 	<p>Sections 4.17, 6.23, 6.24.1 and 10.7.13 of the Code provide minimum standards for construction and excavations that all placer operations must adhere to</p> <p>Maximum thresholds for activities without requiring a permit (as per Mineral Titles Update 38):</p> <ul style="list-style-type: none"> • The total volume of each pit or trench does not exceed 3 cubic metres in volume • Each pit or trench does not exceed 1.2 metres in depth • The cumulative total of all un-reclaimed pits and/or trenches does not exceed 5 pits and/or trenches at any one time <p>Excavations: All excavations over 6m in depth shall be carried out in accordance with the written instructions of a professional engineer</p>
<ul style="list-style-type: none"> • Settling Ponds <ul style="list-style-type: none"> ○ ID or name 	<p>If ponds cannot be constructed to exfiltrate sufficient amounts of water to prevent surface discharge, obtain an EMA permit prior to operation</p>

<ul style="list-style-type: none"> ○ Construction method (excavated, dyked, etc.) ○ Water source (surface runoff, wash plant, etc.) ○ Length (m) ○ Width (m) ○ Depth (m) ○ Description of the disposal of fines from clean out 	<p>Sediment ponds with embankments that are greater than 2.5m high, or that have a consequence of failure rating greater than "low" as per the FLNRO Dam Consequence of Failure Classification, are considered "dams" under the Code. They need to be designed by a professional engineer and adhere to sections 10.1.5, 10.5.1, 10.5.2, 10.5.3 and 10.5.4 of the Code</p>
<ul style="list-style-type: none"> ● Stockpiles and dumps of vegetation, soil layers and overburden which is not considered pay dirt <ul style="list-style-type: none"> ○ Location ○ Size of disturbance (ha) ○ Height (m) ○ Amount of material (m³) 	<p>Site specifics may require qualified professional to prepare and maintain a plan pursuant to Section 10(1) of the Mines Act, consistent with good engineering practice for dumps, stockpiles, minor impoundments, roads, or ramps that are constructed as part of a dumping operation, the plan shall include monitoring for safety</p>
<ul style="list-style-type: none"> ● Temporary camps and related buildings <ul style="list-style-type: none"> ○ Number of people in the camp ○ Total number of structures on site ○ Description of structures ○ Waste disposal methods ○ Sanitary facilities (for black or grey water) ○ Source(s) of water supply ○ Total disturbed area (ha) 	<p>May require:</p> <ul style="list-style-type: none"> ○ Contact with the nearest Regional Health Authority ○ contact with the BC Safety Authority ○ contact with WorkSafe BC
<ul style="list-style-type: none"> ● Fuel storage <ul style="list-style-type: none"> ○ Amount of fuel to be stored (L) ○ Storage method (bulk or barrel) 	<p>Include a 'Spill Response Plan' in the 'Mine Emergency Response Plan'</p>
<ul style="list-style-type: none"> ● Equipment: <ul style="list-style-type: none"> ○ Type ○ Size/capacity ○ Number/quantity to be employed 	
<ul style="list-style-type: none"> ● Detailed five-year mine plan <ul style="list-style-type: none"> ○ The design of mine excavations, openings, support systems, fixtures, features, methods of operation and all other works necessary to operate a mine shall meet acceptable standards of practice and are carried out under the authority of a qualified person ○ Projected phases of mine development ○ Proposed pit design 	<p>Project specific:</p> <ul style="list-style-type: none"> ● The Chief Inspector may require the qualified person to be a professional engineer or other licensed professional as may be appropriate <p>Production capacity of $\geq 250\ 000$ tonnes/year of pay dirt will be reviewed for an Environmental Assessment.</p>

<ul style="list-style-type: none"> ○ Plan map and a minimum of two cross-sections and one longitudinal-section detailing the configuration of pits during all phases of mine development ○ Location and projected size of all facilities, dumps, stockpiles, and sediments ponds for the 5-year cycle 	
Proposed Activities – Underground Exploration and Production	
<ul style="list-style-type: none"> ● Trails, roads and access planned <ul style="list-style-type: none"> ○ Location ○ Length (km) ○ Disturbed Area (ha) ○ Gates ○ Bridges, culverts and other stream crossings 	Construct trails and roads to a standard identified in the guidebook for Mineral and Coal Exploration in British Columbia or the Ministry of Forest Engineering Manual
<ul style="list-style-type: none"> ● Resource Evaluation Requirements <ul style="list-style-type: none"> ○ Layers of stratigraphy (amount of pay material vs overburden) ○ Verification of pay dirt resource from exploration phase of the project ○ ARD/ML characterization 	
<ul style="list-style-type: none"> ● Settling Ponds <ul style="list-style-type: none"> ○ ID or name ○ Construction method (excavated, dyked, etc.) ○ Water source (surface runoff, wash plant, etc.) ○ Length (m) ○ Width (m) ○ Depth (m) ● Description of the disposal of fines from clean out 	<p>If ponds cannot be constructed to exfiltrate sufficient amounts of water to prevent surface discharge, obtain an EMA permit prior to operation</p> <p>Sediment ponds with embankments that are greater than 2.5m high, or that have a consequence of failure rating greater than “low” as per the FLNRO Dam Consequence of Failure Classification, are considered “dams” under the Code. They need to be designed by a professional engineer and adhere to sections 10.1.5, 10.5.1, 10.5.2, 10.5.3 and 10.5.4 of the Code</p>
<ul style="list-style-type: none"> ● Stockpiles and dumps of vegetation, soil layers and overburden which is not considered pay dirt <ul style="list-style-type: none"> ○ Location ○ Size of disturbance (ha) ○ Height (m) ○ Amount of material (m³) 	Site specifics may require qualified professional to prepare and maintain a plan pursuant to Section 10(1) of the Mines Act, consistent with good engineering practice for dumps, stockpiles, minor impoundments, roads, or ramps that are constructed as part of a dumping operation, the plan shall include monitoring for safety
<ul style="list-style-type: none"> ● Temporary camps and related buildings <ul style="list-style-type: none"> ○ Number of people in the camp ○ Total number of structures on site ○ Description of structures ○ Waste disposal methods ○ Sanitary facilities (for black or grey water) ○ Source(s) of water supply ○ Total disturbed area (ha) 	<p>May require contact with:</p> <ul style="list-style-type: none"> ○ the nearest Regional Health Authority ○ the BC Safety Authority ○ WorkSafe BC

<ul style="list-style-type: none"> • Fuel storage <ul style="list-style-type: none"> ○ Amount of fuel to be stored (L) ○ Storage method (bulk or barrel) 	<p>Include a 'Spill Response Plan' in the 'Mine Emergency Response Plan'</p>
<ul style="list-style-type: none"> • Equipment: <ul style="list-style-type: none"> ○ Type ○ Size/capacity ○ Number/quantity to be employed 	
<ul style="list-style-type: none"> • Detailed five-year mine plan <ul style="list-style-type: none"> ○ The design of mine excavations, openings, support systems, fixtures, features, methods of operation and all other works necessary to operate a mine shall meet acceptable standards of practice and are carried out under the authority of a qualified person ○ Projected phases of mine development ○ For each underground exploration development or rehab activity (i.e., portals/entries, drifts, raises, shafts, stope, de-pillar, other): <ul style="list-style-type: none"> ▪ Quantity ▪ Incline (degrees or percent) ▪ Length (m) ▪ Width (m) ▪ Height (m) ○ Total ore and waste (tonnes or m3) ○ Location and projected size of all facilities, dumps, stockpiles, and sediments ponds for the 5-year cycle 	<p>Project specific:</p> <ul style="list-style-type: none"> • The Chief Inspector may require the qualified person to be a professional engineer or other licensed professional as may be appropriate • Production capacity of $\geq 250\ 000$ tonnes/year of pay dirt will be reviewed for an Environmental Assessment. • Maps: <ul style="list-style-type: none"> ○ Locations of all dumps, ○ Distance of portals and waste dumps from know streams, wetlands or lakes. • Underground plan of every level • Ventilation Plan including the main fan location • Firefighting plan and emergency procedures – include in the 'Mine Emergency Response Plan' • Plan and section showing the presence of other workings • Report of possible hazards • Cross sections drawing of travel ways showing the location of all proposed services and equipment clearances • De-pillar sequence and plan • Details on energizing mine, i.e. portable power plant, hydro • Provide a list of all equipment and specifications to be used underground • 'Ground Control Plan' • Plan for securing mine openings for seasonal closures and permanent closure • 'Metal Leaching and Acid Rock Drainage (ML/ARD) Prevention Plan', including prediction plan, mitigation, treatment, maintenance and monitoring measures • Contact Major Mines Office – Geochemistry

Cultural Resource:	
<ul style="list-style-type: none"> Protected archaeological sites that may be affected by the project 	<p>Requires an Archeological Chance Find Procedure May require an Archaeological Overview Assessment</p>
Merchantable Timber:	
<ul style="list-style-type: none"> Timber types and proposed amount of cut required 	<p>If total merchantable timber removed in the above sections is >50 m³, an Occupant Licence to Cut approval is required</p>
Water:	
<ul style="list-style-type: none"> Water source: <ul style="list-style-type: none"> Names Location of intake and any trenches Purpose of use Quantity of water required for the operation (daily and seasonally) 	
<ul style="list-style-type: none"> Surface water <ul style="list-style-type: none"> Quality and flow Water diversion – bypass channels or berms 	
<ul style="list-style-type: none"> Discharges/Seepages/Recycling <ul style="list-style-type: none"> Describe the location, quantity and quality (chemistry and toxicity) of contaminated waters and seepages. Describe the timing (e.g., seasonal, continuous, intermittent) of discharges to the environment Describes recycling of process related water 	
Reclamation Costs:	
<ul style="list-style-type: none"> Estimate of the total expected costs of reclamation over the planned life of the mine 	<p>Use Reclamation Calculator</p>
Reclamation Plan for Progressive Reclamation and for Closure	
<ul style="list-style-type: none"> Plan <ul style="list-style-type: none"> Proposed end land use Description of proposed re-vegetation method Source of reclamation coverage materials for pits and settling ponds Source of soil replacement materials in areas of disturbance 	<p>Sections 10.7.1 to 10.7.21 of the HSRC provides minimum standards for reclamation that all placer operations must adhere to</p>

<ul style="list-style-type: none"> ○ Proposed reclamation method of any roads and trails ○ Costs of potential long-term monitoring and maintenance 	
Mine Emergency Response Plan	
<ul style="list-style-type: none"> • Mine Emergency Response Plan must: <ul style="list-style-type: none"> ○ outline the response procedures that are essential for effective and timely management of an emergency situation ○ contain all of the elements required in the "Mine Emergency Response Plan Guidelines for the Mining Industry", as amended from time to time ○ include the emergency preparedness and response plans as required under section 10.4.2 (1) of the HSRC ○ include affected communities and First Nations in the identification of potential hazards, emergency communications and responses 	<p>Refer to: "<i>Mine Emergency Response Plan Guidelines for the Mining Industry</i>" Ministry of Energy, Mines & Low Carbon Innovation and Mineral Resources Division (2017, Version 1.4)</p>