Yukon Water Board | Office des eaux du Yukon

PLACER

WATER LICENCE AND CLASS 4 MINING
LAND USE APPROVAL APPLICATION FORM

GENERAL:

To conduct placer mining activities in Yukon, permits and licences may be required from various territorial and federal agencies. Complete applications will be reviewed and held on file until a completed project confirmation form is received; showing that the project as applied for has been assessed by the YESAB (Yukon Environmental and Socio-economic Assessment Board) and a decision document has been issued.

OPERATIONAL PERMITS:

The following permits may be required in addition to the Water Licence and MLU Approval (note: **This list is not comprehensive.** The Applicant is responsible for ensuring that they have the required permits for any activities that they undertake before activities commence):

- Environmental Health Certificate: For camp operation and construction of sewage disposal systems including outhouses and septic systems, and for some drinking water supply systems and kitchens. *Contact: Health and Social Services Department, Environmental Health Services at 667-8378.*
- Blasting Certificate and Magazine Permit: For storage, transportation, and use of explosives. *Contact: Yukon Workers' Compensation Health and Safety Board, Occupational Health and Safety at 667-8739.*
- Lands Permit: For land based activities off claims, such as access road construction or barge landings. *Contact: Energy, Mines and Resources, Lands Branch at 667-5215.*
- Building Permit: For construction of buildings, including plumbing and electrical permitting. *Contact: Community Services Department, Community Services and Infrastructure Development Branch, Building Safety at 667-5741.*
- DFO Site Specific Authorization: For alteration of the bed or banks of a watercourse not authorized under the Watershed Authorization. Standards are set out in the Fish Habitat Design, Operation and Reclamation Workbook and Worksheets for Placer Mining in the Yukon Territory. *Contact: DFO, Ecosystem Management Branch at 393-6722.*
- Environment Act permit for management and disposal of solid and special (hazardous) waste. *Contact: Department of Environment, Environmental Protection and Assessment Branch at 867-667-5683.*

FINANCIAL SECURITY:

Financial security may be required as a condition of the Water Licence and/or MLU Approval.

AMENDMENTS:

Changes in operation, including addition of grants or changes in the mining plan may require an amendment to the Water Licence or Mining Land Use Approval. Contact the Yukon Water Board Secretariat for more information and required forms and fees for amendments. If you are using this form for an amendment application, please only complete the sections of the form that apply to the amendment. Please include a cover letter detailing amendments requested.

FEES:

All fees must be submitted with the completed application. Applications will not be processed until all applicable fees have been received.

• Application for a water use licence	$30
• Application for a water use licence amendment	$30
• Water Use deposit fee (equivalent to 1 year of water use)	Contact Secretariat
• Application for a 5 year, class 4 mining land use approval	$250
• Application for a 10 year, class 4 mining land use approval	$500
• Application for amendment, class 4 mining land use approval	$150

STRUCTURES AND CAMP FACILITIES:

The construction/installation and use of all surface structures must be requested and approved in advance of their construction. Structures must be necessary for the mining activity and be temporary in nature. Recreational cabins and commercial recreation businesses are not authorized under the *Placer Mining Act* or *Waters Act*.

APPLICATION INSTRUCTIONS:

- Timing: Please submit your complete Water Licence and Mining Land Use Approval application as early as possible for timely and efficient processing. Thorough responses to information requests and any public comments also help expedite the application process. Contact the Water Board Secretariat for a current estimate of timelines for processing applications. Amendments and renewals of existing licences take the same amount of time to process as new applications.
- Filling out the Forms: Applications must be complete and of sufficient quality to be legible when reproduced by photocopying or scanning. Applications must also conform to the Board's Rules of Procedure as available on www.yukonwaterboard.ca
- Attachments: Attachments to your application can be in black and white or colour and should be at least 8 ½" x 11" in size. If oversized or colour attachments are required to clarify more complex operations, they can be submitted for inclusion in the register.
- Maps and drawings supporting an application must conform to the Board's Mapping Standards as available on www.yukonwaterboard.ca.
- Submission: Completed applications can be uploaded to the Board's online registry WATERLINE, emailed to: ywb@yukonwaterboard.ca or delivered to:

  Yukon Water Board, Suite 106, 419 Range Road, Whitehorse YT Y1A 3V1

APPLICATION CHECKLIST:

Please review and complete the following checklist and make certain that your application includes all applicable items before submitting:

- ☐ Applicable Fees *(see page ii, "*FEES*").*
- ☐ Applicable Forms –completed and signed *(only those that apply)*
  - ☐ Schedule 4 Application Form *(Please indicate preferred contact method)*
  - ☐ Financial Responsibility *(Box* 100*)*
  - ☐ Officers of the Company *(Box* 101*)*
  - ☐ Certification *(Box* 149*)*
  - ☐ Project Confirmation Form *(Box* 150 - *Provided once the YESAA Decision Document is issued)*
  - ☐ Agent Authorization Form
  - ☐ Environmental Health Form
- ☐ A recent Claim Status Report from the Mining Recorders Office.
  The Claim Status Report must only include those grants that are included in the application. If the grants are on First Nation Settlement Land, the Water Licence can only be issued until the expiry date of the grants.
- ☐ Written authorization/ agreement from grant owners.
  This only applies when the applicant does not own all the grants listed in the application. The Agreement must include the following:
  - Explicit permission to use the grants (listed) for the mining activities proposed in the application
  - Period of time for which the agreement is in effect
  - Signatures of both the grant owners and the applicant
  - Blacking out of financial details
- ☐ A copy of the Mining Recorder's claim map(s) at a scale sufficient to show all grants included in the application, which must be outlined or highlighted. Grant numbers must be legible. Maps can be viewed and printed from the Mining Recorder's website at http://www.yukonminingrecorder.ca/.
- ☐ Complete, current, legible plans and narrative of the proposed operation (Box 13-16).
- ☐ Required DFO worksheets. Only submit worksheets that apply to your operation.
- ☐ A Spill Contingency Plan that contains all of the information outlined in the Spill Contingency Plan template, and includes plans for all fuels, hazardous materials, or special wastes that might be on site.

DEFINITIONS:

"Bar"	means any area of sand, mud, shingle or gravel, located within the natural boundaries of a river, which does not support permanent vegetation and is exposed from water during part or most of the year. A bar may link an island to the mainland. The bar may also be considered to be a side channel of the river between the mainland and an island, in which water may or may not flow.
"Black Muck"	means soil consisting primarily of decomposed organic materials
"Camp Structure -Permanent"	means a surface structure suitable for indefinite use, including any building with a foundation.
"Camp Structure -Temporary"	means surface structure used for more than one season which is not of permanent construction and does not include seasonal structures.
"Camp Structure -Seasonal"	means a surface structure that is dismantled and moved at the end of each mining season.
"Corridor"	means a path from which trees and brush have been cut to accommodate a trail, water line, fuel line or power line.
"Crossing"	means any bridge, causeway or structure or any embankment, cutting, excavation, land clearing or other works used or intended to be used to enable persons, vehicles or machinery to cross any watercourse.
"Seasonal Diversion"	means any direct or indirect alteration of a portion , or all, of the water flow in the route, bed, bank or boundaries of a river, stream, lake or watercourse and is inplace for less than one year.
"Temporary Diversion"	means any direct or indirect alteration of a portion, or all, of the water flowing in the route, bed, bank or boundaries of a river, stream, lake or watercourse and is in place for a period of 2 to 5 years.
"Permanent Diversion"	means any direct or indirect alteration of a portion, or all, of the water flowing in the route, bed, bank or boundaries of a river, stream, lake or watercourse and is in place for a period of over 5 years.

“Ford”	means a shallow area in a watercourse than can be crossed by a vehicle.
“Gross Vehicle Weight”	means the overall total weight of a vehicle when loaded.
“Instream Reservoir”	means any water impoundment structure, where water is collected and retained for use, which is constructed in a natural channel or in a diversion.
“Out of Stream Channel Reservoir”	means a water impoundment structure, pond, or series of ponds where effluent is collected and retained , which is constructed out of the natural channel or the diversion and through which the entire creek flow may be directed at any time.
“Instream Settling Facility”	means a water impoundment structure, pond, or series of ponds where effluent is collected and retained for treatment, which is constructed in a natural channel or in a diversion.
“Out of Stream Channel Settling Facility”	means a water impoundment structure, pond, or series of ponds where effluent is collected and retained for treatment, which is constructed out of the natural channel or the diversion and through which the entire creek flow may be directed at any time.
“Isolated Road”	means a road that does not provide access to a public highway directly or through a private road.
“Limit”	means right or left side of the watercourse, looking downstream.
“Low ground pressure vehicle”	means a vehicle that applies 35 kPa of pressure or less to the ground surface.
“Mining Cut”	means the excavation from which gold bearing material is taken.
“Natural boundary”	means the visible high water mark of any body of water where the presence and action of the water is so common and usual and so long continued so as to mark upon the soil of the bed of the body of water a character that is distinct from the banks in respect to vegetation or to the nature of the soil. The best estimates of the edge of

	dormant or old side channels and marsh areas are considered to be natural boundaries.
“Operation”	means a placer land use operation.
“Person-day”	means the use of the campsite by one person during a period of 24 hours.
“Riparian Zone”	means a portion of the stream bank, either vegetated or not, immediately adjacent to the stream channel and is measured from the high water mark on each bank of the watercourse and follows the shape of the channel.
“Road”	means a pathway for vehicular traffic, the construction of which requires the movement of rock or earth.
“Trail”	means an access to a site within a claim or lease that is constructed with little or no movement of rock or earth.
“Trenching”	means excavation that extends below the vegetative mat, undertaken as part of an operation.
“Vegetative Mat”	means the organic surface of soil, characterized by the accumulation of organic matter, or partly decomposed organic matter, derived mainly from leaves, twigs and woody materials, and includes the root mass of living vegetation.
“Watercourse”	means any stream, lake, pond, river, creek, spring, ravine, or swamp whether ordinarily containing water or not.
“Weir”	means a low dam built across a watercourse to raise the water level, divert the water, or control its flow.
“Work Area”	means any area disturbed and/or altered by mining activities, excluding any stable diversion channel"

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WATER LICENCE AND CLASS 4 MINING LAND USE APPROVAL APPLICATION FORM

Applicant Name: (1) *(The Water Licence and Approval will be issued under this name):*	

Watercourse(s): (2)	**Mining District:** (3)	**Nearest Yukon Community:** (4)
NTS Map sheet #: (5)	**Longitude and latitude:** *(centre of project)* (6)	
Total # of grants: (7)	**Registered owner(s) of grants:** (8)	

☐ If registered owners of grants are different than the applicant, attach an agreement**.**

☐ Attach DFO appendix A worksheet.

Please refer to the appropriate Watershed Authorization and map and complete the following (for assistance contact DFO or the district mining inspections office).

DFO HABITAT SUITABILITY:

Does your operation require a Site Specific Authorization (SSA) from DFO? (9)

☐ **Yes,** *If yes, your application might be delayed until the SSA is issued.*

☐ **No**

DFO Watershed: (10)	**DFO Watershed Category:** (11) ☐ Category A ☐ Category B

If all grants are in the same zone, write "all" in the appropriate row. (12)

Operational Specification	**From grant**	**To grant #**	**Restoration classification** *(if different from operational)*
High			
Moderate – High			
Moderate – Moderate			
Moderate – Low			
Low			
Water Quality			

Please attach additional pages if necessary

MINING PLAN NARRATIVE: (13)

MINING SITE PLAN SKETCH: (14)

Attach additional pages as necessary.

CROSS SECTION OF VALLEY: (15)

Attach additional pages as necessary.

CROSS SECTION OF SETTLING FACILITIES AND RESERVOIRS: (16)

Attach additional pages as necessary.

WATER USE: (17)

This includes withdrawal from the watercourse and from artificial reservoirs. Water withdrawal from artificial reservoirs with no natural inflow does not have to be included in your licensed water use quantity.

Sluicing:	**Hydraulic Stripping:**	**Camp:**
m^3/day	m^3/day	m^3/day

SLUICING: (18)

Please provide the estimated volume of material that will be processed through the sluice plant.

Year 1:	m^3	**Year 5:**	m^3	**Year 9:**	m^3
Year 2:	m^3	**Year 6:**	m^3	**Year 10:**	m^3
Year 3:	m^3	**Year 7:**	m^3		
Year 4:	m^3	**Year 8:**	m^3		

LICENCED WATER USE: (19)

This is for water withdrawal taken directly from a watercourse for all purposes, including sluicing, hydraulic stripping, and camp use. The total of the maximum daily withdrawal amounts must be the same as the requested amount on the Schedule 4, and will be the maximum daily amount allowed in the licence. Use a separate line for each watercourse. Attach separate page if necessary.

Watercourse	**Tributary of**	**Maximum withdrawal (m^3/day)**	**(if recycling) Make Up water (m^3/day)**	**Estimated Flow (m^3/day)**	
				Mining Season	**Spring Freshet**

Describe the method used to estimate flows during spring freshet and mining season

☐ Attach DFO Appendix C worksheet

FLOW RATE CONVERSION:	
1 gallon/second (US) = 327 m^3/day	1 gallon/minute (US) = 5.45 m^3/day
1 gallon/second (UK) = 393 m^3/day	1 gallon/minute (UK) = 6.55 m^3/day

HYDRAULIC STRIPPING:

Is hydraulic stripping proposed? (20)

☐ **Yes** *(complete boxes* 21 *through* 26*)*

☐ **No** *(proceed to box* 27*)*

What is the minimum distance between the hydraulic stripping and the nearest watercourse? _____ m (21)

List the grant numbers where hydraulic stripping will occur: (22)

Describe the material that will be hydraulically stripped: (23)

Where will the stripped material be settled? (24)

How will the stripped material be transported to the settling facility? (25)

Will the water used in hydraulic stripping report to a watercourse? (26)

☐ **No**

☐ **Yes,** *If yes, identify the watercourse, and describe how the discharge standard will be met.*

_____

_____

_____

CREEK AS A CONDUIT:

Will the watercourse channel be used as a conduit to transport effluent? (27)

☐ **No,** *(proceed to box* 31*)*

☐ **Yes,** *(complete boxes* 28-30*)*

What is the valley width where the watercourse will be used as a conduit? _____ m (28)

For what distance will be watercourse be used as a conduit? _____ m (29)

Explain why it is necessary to use the creek as a conduit: (30)

RESERVOIRS: *(pump ponds)*

Will reservoirs be instream and/or out-of-stream? *(check all that apply)*

☐ Out-of-Stream Reservoir

Reservoir Dimensions: (31)

Length: _____ m
Width: _____ m
Depth: _____ m
Freeboard: _____ m

Conveyed to the reservoir by:
☐ Gravity *(ditch/culvert from the watercourse)*
☐ Pump and hose/pipeline
☐ Groundwater seepage

☐ Instream -Dug Outs
☐ *Dugout within the stream channel*
☐ *Dugout in the stream bank*

Dugout Dimensions: (32)

Length: _____ m
Width: _____ m
Depth: _____ m

☐ Complete and attach DFO Appendix G1 and G2 worksheets

☐ Instream -Dams or Weirs
☐ *Wing Dam*
☐ *Cross-Valley Dam*
☐ *Weir*

Dam or Weir Dimensions: (33)

Length: _____ m
Height: _____ m
Width at crest: _____ m
Width at base: _____ m
Freeboard: _____ m

☐ Complete and attach DFO Appendix G1 and G2 worksheets

Construction method and materials: (34)

Will a bypass be constructed at seasonal closure in preparation for spring freshet? (35)

☐ **Yes**
☐ **No**

What measures will be taken to ensure that spring freshet does not washout the out-of-stream reservoirs and/or intake structures? (36)

☐ Complete and attach DFO Appendix B worksheet,
(For any work proposed in the riparian zone to access the watercourse for water withdrawal)

☐ Provide details of the instream/out-of-stream reservoirs on sketch of the mining site plan.

WATER FOR SLUICING:

How will you get supply water from the reservoir to the sluice plant? (37)

☐ Intake ditch – gravity fed
☐ Culvert – gravity fed
☐ Pump and hose/pipeline
☐ Other: _____

SETTLING FACILITIES:

Are you proposing to use instream and/or out-of-stream settling facilities? (38)

☐ **Instream** *(complete boxes* 39-46*)*

☐ **Out-of-stream** *(complete boxes* 47-52*)*

☐ Provide details on the sketch of the mining site plan

☐ Complete and attach DFO workbook Appendix B, for any work proposed in the riparian zone to construct instream settling ponds, intake structures, or discharge structures

INSTREAM SETTLING:

Please describe the instream settling facilities, and explain why they must be instream: (39)

What percentage of the stream flow is directed through the settling ponds? (40)
_____ ***%***

How wide is the valley instream settling ponds are required? _____ ***m*** (41)

How will you ensure the stability of your instream settling ponds? (42)

Will settling ponds be cleaned out during the mining season? (43)

☐ **No**

☐ **Yes,** *If yes, where will the sludge/ fines be placed?*

_____

For the instream settling facility, describe the design and construction of the structure at the final point of control (ex. culvert, spillway, pipe) including dimensions: (44)

Will there be a bypass channel built to direct spring freshet around the settling ponds at seasonal closure? (45)

☐ **Yes,** *If yes, describe the dimensions and construction:*

_____

_____

☐ **No,** *Ponds will be reclaimed at the end of each season (spring freshet cannot be routed through work areas).*

Describe how ponds will be reclaimed to ensure that sediment is not mobilized during spring freshet: (46)

OUT-OF-STREAM SETTLING:

Will settling facilities remain in one place, or move as mining progresses? (47)

☐ **Remain in place on grant number(s):**

_____

☐ **Move as mining progresses on grant numbers:**

_____

_____

Will there be a surface discharge from the settling pond to a watercourse? (48)

☐ **Yes,** *If yes, describe the design and construction of the structure (ex. ditch, culvert , pipe, other, including dimensions):*

_____

_____

☐ **No,** *If no, please confirm that 100% recycling will occur:*

_____

_____

Could there be discharge from the settling facilities to a watercourse through seepage? (49)

☐ **No**

☐ **Yes,** *If yes, please explain, including identifying the watercourse:*

_____

_____

How will you ensure the stability of your settling ponds? (50)

Will settling ponds be cleaned out during the mining season? (51)

☐ **No**

☐ **Yes,** *If yes, where will the sludge/ fines be placed?*

_____

What measures will be taken to ensure that spring freshet and flood events do not washout settling ponds or intake structures? (52)

DIVERSIONS:

Are you constructing diversions? (53)

☐ **No,** *(proceed to box* 57*)*

☐ **Yes,** *(complete box* 54-56*)*

Refer to the DFO Fish Habitat Design, Operation and Reclamation Workbook and Worksheets prior to completing this section

Will diversions be: *(check all that apply)* (54)

☐ **Seasonal**, *(in place for one mining season or less)*

☐ **Temporary**, *(in place for more than one mining season, up to five years)*

☐ **Permanent**, *(in place for six years or more)*

Note: - seasonal and temporary diversions will usually require a permanent restoration channel
- end of season bypass channels around instream settling facilities are not considered diversions and do not require worksheets to be completed

What is the total length of the existing watercourse(s) that will be diverted? _____ *m* (55)

List the claims that the diversion(s) will be located on, by grant numbers: (56)

☐ Provide details on the sketch of the mining site plan

☐ Complete and attach DFO workbook Appendices

WATERCOURSE CROSSINGS:

Will you be crossing a watercourse? *(Applies to on-claim crossings only)* (57)

☐ **No,** *(Proceed to box* 92*)*

☐ **Yes,** *If yes will the crossings be by:*

- ☐ **Ford(s)** *(complete boxes* 58-66*)*
- ☐ **Bridge(s)** *(complete boxes* 67-75*)*
- ☐ **Culvert(s)** *(complete boxes* 76-83*)*
- ☐ **Other Crossing Type, including pipelines,** *(complete boxes* 84-91*)*

☐ Indicate the location of all watercourse crossings on the sketch of the mining site plan

FORDS: *(If your project includes more than one ford, attach additional pages as necessary.)*

Watercourse Name: **Ford #** _____ **of** _____ (58)

Grant number(s) where ford will be located: (59)

How frequently will the ford be used? (60)
(include a description of equipment that will be using the ford)

What is the height of the banks of the watercourse at the ford location? _____ ***m*** (61)

The ford (s) are: (62)

- ☐ **Existing** *(if existing, skip to box 66), or*
- ☐ **To be constructed?** *(if a new ford, complete the following questions)*

Describe how the ford will be constructed, and methods to control the release of sediment during construction: (63)

Describe the stream bed material, stream bank material, and stream bank vegetation at the ford location: (64)

Provide a schedule for ford construction: (65)

Ford Cross Section: (66)
(Include approaches, erosion protection, and watercourse levels at high and low flows.)

☐ Complete and attach DFO workbook Appendix B.

BRIDGES: *(If your project includes more than one bridge, attach additional pages as necessary.)*

Watercourse Name: **Bridge #** _____ **of** _____ (67)

What is the width of the creek where you propose to construct a bridge: _____m (68)

Grant number(s) where bridge will be located: (69)

At high flow, what is the vertical distance between the watercourse and the bottom of the bridge? _____ ***m*** (70)

What are the dimensions of the bridge? (71)

Describe the bridge design and construction, including deck material, abutment material, modifications to the bed or banks of the watercourse, and methods to control the release of sediment during construction or placement: (72)

Describe the stream bed material, stream bank material, and stream bank vegetation at the bridge location: (73)

Provide a schedule for bridge construction: (74)

Bridge Cross Section: (75)
(Include approaches, erosion protection, bridge structure, and distance from bridge deck to the watercourse.)

☐ Complete and attach DFO workbook Appendix B, for each bridge.

CULVERTS: *(If your project includes more than one culvert, attach additional pages as necessary.)*

Watercourse Name: **Culvert #** _____ **of** _____ (76)

Grant number(s) where culvert will be located: (77)

Provide the type, diameter, and length of culvert: (78)

Provide the following watercourse dimensions at the location of the proposed culvert. (79)

Maximum Depth of Watercourse _____ m

Maximum Width of Watercourse _____ m

Describe how the culvert will be installed, and methods to control the release of sediment during construction or placement: (80)

Describe the stream bed material, stream bank material, and stream bank vegetation at the culvert location: (81)

Provide a schedule for the culvert installation (time of year): (82)

Culvert Cross Section: (83)

(Include approaches, erosion protection, culvert structure, and watercourse levels at high and low flows.)

*Note: - the installation of culverts referred to in this section pertain only to watercourse crossings (i.e. do **not** include culverts used for the conveyance of effluent between out-of-stream settling ponds)*

OTHER CROSSINGS: *(Attach additional pages as necessary.)*

Watercourse Name: **Crossing #** _____ **of** _____ (84)

Grant number(s) where crossing will be located: (85)

Describe the type and nature of the crossing (pipeline, powerline, etc.): (86)

The crossing(s) is: (87)

☐ **Existing** *(if existing, skip to box 91), or*

☐ **To be constructed?** *(if a new crossing, complete the following questions)*

Describe how the crossing will be constructed, and methods to control the release of sediment during construction: (88)

Describe the stream bed material, stream bank material, and stream bank vegetation at the crossing location: (89)

Provide a schedule for construction: (90)

Crossing Cross Section: (91)

(Include structures, erosion protection, and watercourse levels at high and low flows.)

☐ Complete and attach DFO workbook Appendix B, for each crossing.

FINAL SITE DECOMMISSIONING: (92)

If any water related structures (dams, reservoirs, ditches, settling ponds, culverts, fords, bridges, etc.) are going to be left in place at the completion of mining, please describe what measures will be taken to ensure stability, and explain why they will not be reclaimed:

OTHER AFFECTED PARTIES:

Identify the nearest upstream water user(s) or potentially affected upstream users (placer operations, trappers, residences, etc.): (93)

Identify the nearest downstream water user(s) or potentially affected downstreamusers (placer operations, trappers, residences, etc.): (94)

Section 12(4) of the Waters Act states that the Board may not issue a water use licence unless the applicant satisfies the Board that the issuance of the licence will not adversely affect, in any significant way, the use of waters by any existing licensee. (95)

Do you believe that your proposed use of water or deposit of waste will have an adverse effect on an existing licensee?

☐ **Yes,** *If yes, describe the mitigations proposed:*

_____

_____

☐ **No,**

In which First Nation's traditional territory is your project located? (96)

Is any part of the project located on First Nation Settlement Land? (97)

☐ **Yes**

☐ **No**

Have you entered into a compensation agreement with any potentially affected parties? (98)

☐ **Yes,** *If yes, please attach a copy of the agreement.*

☐ **No**

Have you discussed the proposed operation with any individuals or organizations that may be affected by the project? (99)

☐ **Yes,** *If yes, please indicate who, and what input you received.*

_____

_____

☐ **No**

FINANCIAL RESPONSIBILITY: (100)

The *Waters Act* requires that the *Yukon Water Board* not issue a licence unless it is satisfied that the financial responsibility of the applicant, taking into account the applicant's past performance, is adequate for:

i. the completion of the appurtenant undertaking; and
ii. such mitigative measures as may be required; and
iii. the satisfactory maintenance and restoration of the site in the event of any future closing or abandonment of that undertaking.

I attest that I have the financial responsibility to meet the requirements set out above.

☐ **Yes**
☐ **No**

Signature: _____

Name (printed): _____

OFFICERS OF THE COMPANY *(complete only if applicant is a limited company or corporation)* (101)

Licences can only be issued to a limited company or corporation if they are registered to do business in Yukon. The Yukon Water Board will not consider issuing a licence to a company or corporation unless this section is completed.

I, _____ certify that (name of business entity) _____

is incorporated or registered pursuant to the *Business Corporations Act* of the Yukon or is registered in the province or territory of _____ and is registered in Yukon as an extraterritorial corporation.

The officers of the company are (Name and Title – please print):

_____

_____

Signature: _____ Date: _____

☐ Attach a Corporate Summary issued by Yukon Corporate Affairs, and a certificate of registration.

MINING LAND USE

This section is for non-water related information as part of the Class 4 Mining Land Use Approval Application.

MINING SEASON:

Approximate Mining Season Start Date (day/mm): _____ (102)
Approximate Mining Season End Date (day/mm): _____

SUMMARY OF OPERATION WORK PLAN:

Describe your program chronologically giving approximate dates or months work to be done. (*This should include a plan of all mining and exploration activities -road construction, drilling, stripping, camp set up, and progressive and final reclamation***)** (103)

ADDITIONAL GRANTS:

The Water Board will not consider including grants in the approval that are for exploration purposes only that will not require a water licence. For exploration permitting, please contact EMR Mining Lands for the appropriate class application form.

Are you proposing to add additional grants than those already stated in the water licence portion of this application? (104)

☐ **Yes,** (*complete box* 105*)*

☐ **No,** (*proceed to box* 106*)*

If you propose to include additional grants for the mining land use approval that are not included in the water licence application, explain how they are related to, and required for, the proposed project (i.e. for camp or access purposes): (105)

☐ Attach a separate Claim Status Report listing claims to be included in the Mining Land Use Approval only.

FUEL STORAGE AND HANDLING:

Will fuel be stored on claims? (106)

☐ **No,** *proceed to box* 112

☐ **Yes,** *If yes, will storage capacity exceed 4,000 litres in total at any time?*

- ☐ **No,**
- ☐ **Yes,** *If yes, are fuel storage containers with a capacity of over 4,000 litres registered?*
  - ☐ **No,**
  - ☐ **Yes**

What methods of secondary containment are used? (107)

(bermed, lined with impermeable material, double wall tanks, etc.)

List all fuel storage: (108)

Type of fuel	Container Type	Capacity (litres)	Distance from Nearest Watercourse (m	Name of Watercourse	Tank Registration number

Describe methods of fuel transport and delivery: (109)

Describe refuelling procedure, including location, distance from nearest watercourse and mitigations in place to prevent spills: (110)

Describe what will be done at the end of each season to ensure fuel storage facilities are left in a stable, safe condition: (111)

☐ Indicate the location of fuel storage site(s) on the mining plan sketch.

☐ Attach a copy of your fuel spill contingency plan. *(All Mining Land Use operations require a spill emergency plan to be in place and posted on site wherever fuel is stored or transferred.)*

OVERBURDEN REMOVAL AND OPERATIONAL PRACTICES:

Please provide estimates of overburden removal: (112)

	Mechanical	Hydraulic
Year 1	m^3	m^3
Year 2	m^3	m^3
Year 3	m^3	m^3
Year 4	m^3	m^3
Year 5	m^3	m^3

	Mechanical	Hydraulic
Year 6	m^3	m^3
Year 7	m^3	m^3
Year 8	m^3	m^3
Year 9	m^3	m^3
Year 10	m^3	m^3

Estimated depth of black muck: _____ m (113)

Describe the method for disposition of overburden, including location and methods for preventing erosion: *(remember to mark location on mining plan sketch)* (114)

What is the approximate minimum distance between the stockpiled overburden and the watercourse? _____ m (115)

What is the estimated height of overburden piles prior to reclamation? (116)

_____ m

How will slope stability of overburden and tailings piles be maintained? (117)

☐ **2:1 minimum slope (horizontal to vertical) will be maintained.**

If a 2:1 minimum slope cannot be maintained, please explain why not, and additional mitigation measures proposed to maintain stability and reduce erosion:

☐ **Other techniques** *(provide details)*:

How long will overburden and tailings be stored before final reclamation? (118)

What measures will be taken to ensure mining cuts are stabilized and erosion is controlled? (119)

Will mine cuts or trenches extend below the water table? (120)

☐ **No,**

☐ **Yes,** *If yes, explain methods for dewatering, and where water will be disposed of:*

DRILLING:

Will there be drilling on grants? (121)

☐ **No,** *(proceed to box* 123*)*

☐ **Yes,** *If yes, will clearings be made for drill sites?*

☐ **No,**

☐ **Yes,** *If yes, how many clearings will be constructed each year?*

Per claim: _____ total each year: _____

Clearing area for each drill site: _____ (m^2)

Describe the construction and reclamation method for the clearings:

_____

_____

Will water or drill additives be used for drilling? (122)

☐ **No,**

☐ **Yes,** *If yes, describe the sump that will be constructed to contain the water, additives and drill waste, and how it will be reclaimed, and list proposed additives and indicate if they are bio-degradable:*

_____

_____

EXPLOSIVES: (123)

Will explosives be used?

☐ **No,** *(proceed to box* 124*)*

☐ **Yes,** *If yes, what type:* _____

If yes, your application will be copied to Occupational Health and Safety for confirmation of blasting permits.

TIMBER USE:

Burning of brush or timber may require a burning permit and have seasonal restrictions. Harvest of timber for purposes other than miner-like work requires a timber permit from Yukon Forestry. Off claims a land use and timber permit may also be required to cut trees. Consult with EMR Land Use Branch and Forest Management Branch for more information.

Will timber be cut? (124)

☐ **No,** *(proceed to box* 125*)*

☐ **Yes,** *If yes, what will happen to cut logs?*

☐ Stockpiled

☐ Burned

☐ Limbed/bucked and disperse

☐ Used for mining activities/structures

☐ Used for reclamation/spread over access routes

ACCESS:

Any access proposed off the grants included in this application may require an agreement with other grant holders, or a Land Use Permit from Lands Branch. Contact a mining inspector, Lands Branch, or a Licensing Officer for more information. Any new access constructed will have to be reclaimed by the expiry date of the Approval. The following questions deal with access on placer claims only.

Will existing roads be upgraded? (125)

☐ **No,**

☐ **Yes,** *If yes, describe upgrading work that will be done, including total length and width of upgrade(s):*

Length: _____ ***(m)*** Width: _____ ***(m)***

Will new roads be developed? *(Roads are defined as requiring the movement of rock or earth.)* (126)

☐ **No,**

☐ **Yes,** *If yes, describe construction methods, including total length and width of proposed roads:*

Length: _____ ***(m)*** Width: _____ ***(m)***

Will new trails or corridors be developed? (127)

Trails are defined as requiring no movement of rock or earth, corridors do not require the removal of the vegetative mat, and include survey lines and clearing for water lines etc.

☐ **No,**

☐ **Yes,** *If yes, describe construction methods, including total length and width of proposed trails or corridors:*

Length: _____ ***(m)*** Width: _____ ***(m)***

Other new access proposed? *(i.e. winter trails or roads, helicopter pads, airstrips)* (128)

☐ **No,**

☐ **Yes,** *If yes, provide a description and construction methods, including total length and width:*

Length: _____ ***(m)*** Width: _____ ***(m)***

☐ Include a claim map indicating the location of access roads, trails, camp, and fuel storage in relation to claims.

EQUIPMENT:

List all equipment that will be used on site, including the weight of any heavy equipment over 20 tons: (129)

Is there existing heavy equipment access? (130)

☐ **Yes,**

☐ **No,** *If no, how will heavy equipment be brought to the site?*

_____

_____

CAMP FACILITIES:

Will there be a camp on claims? (131)

☐ **No,** *(proceed to box* 137*)*

☐ **Yes,** *(complete questions* 132-136*)*

If the camp(s) will support more than 50 people, additional information will be required. Please contact a Licencing Officer for more information.

How many camps will your project have? _____ (132)

What is the maximum number of people staying in the camp(s) at one time? (133)

_____

What will camp structures consist of? (134)

☐ **Trailer(s),** *How many?* _____ ☐ **Frame structure,** *How many?* _____

☐ **Log structure,** *How many?* _____ ☐ **RV or travel trailer,** *How many?* _____

☐ **Tents,** *How many?* _____

☐ **Other,** *How many?* _____ *Please specify type*: _____

Will camp structures be located within 30 metres of a watercourse? (135)

☐ **No,**

☐ **Yes,** *If yes, please describe the minimum distance from the watercourse, and why this is necessary:*

_____

_____

Please describe what will be done at the end of each season to ensure camp facilities are left in a stable, safe condition that will not attract wildlife: (136)

☐ Mark the location on the mining plan sketch.

☐ Please complete the Environmental Health application form if a sewage disposal system will be constructed (including pit privies or outhouses) or if drinking water will be withdrawn from a watercourse.

WASTE MANAGEMENT:

Debris, equipment, fuel barrels, scrap metal and other waste must be stored safely, so as to not attract wildlife, and disposed of according to the Solid Waste Regulations.

Describe disposal methods for non-hazardous waste and where it will be disposed of (scrap metal, barrels, kitchen waste): (137)

Will waste material be stored or disposed of within 30 m of a watercourse? (138)

☐ **No,**

☐ **Yes,** *If yes, please explain:*

_____

HAZARDOUS WASTE MANAGEMENT:

Hazardous material must be labeled and stored in accordance with Workplace Hazardous Materials Information System (WHMIS). Consult with Yukon Occupational Health and Safety Branch and Special Waste Regulation for more information.

List hazardous materials and special wastes that might be used or stored on site (used batteries, waste oil, used filters, etc.): (139)

Describe handling, storage method, storage location, transportation, and disposal methods for hazardous materials and special wastes. *(If waste oil and fuel products will be burned on site, they must be burned in a CSA approved burning device, and an air emissions permit may be required. Contact Yukon Department of Environment for more information):* (140)

Will chemicals be used to process mining concentrates? (141)

☐ **No,**

☐ **Yes,** *If yes, name all chemicals and describe methods for storage, retrieval, and disposal:*

_____

_____

EXISTING DEVELOPMENT *(within 1 km of proposed project)* (142)

☐ Evidence of mineral exploration work:

☐ Active ☐ Placer

☐ Abandoned ☐ Hard rock

Describe existing disturbance:

_____

☐ Evidence of mineral production:

☐ Active ☐ Placer

☐ Abandoned ☐ Hard rock

Describe existing disturbance:

_____

☐ Existing roads *(describe):* _____

☐ Existing trails *(describe):* _____

☐ Existing airstrip *(describe):* _____

☐ Existing helipad *(describe):* _____

☐ Agricultural activity *(describe):* _____

☐ Forest harvesting *(describe):* _____

☐ Quarrying *(describe):* _____

☐ Archaeological *(describe):* _____

☐ Burial grounds *(describe):* _____

☐ Permanent structures (i.e. cabins) *(describe):* _____

☐ Trapping *(describe):* _____

☐ Fishing/hunting lodge/camp *(describe):* _____

☐ Recreational use *(describe):* _____

☐ Oil and Gas exploration/extraction *(describe):* _____

☐ Power/communications/hydroelectric development _____

☐ Transmission lines *(describe):* _____

☐ Pipelines *(describe):* _____

☐ Communication tower *(describe):* _____

☐ Fire observation towers *(describe):* _____

☐ Other *(describe):*

☐ Critical wildlife habitat (consult with regional wildlife biologist for information).

Describe, including mitigation to prevent disturbing wildlife or critical habitat:

_____

_____

☐ Include a claim map indicating the location of existing development in relation to claims.

(It is important to list all existing developments on grants to avoid assuming liability for their reclamation.)

FINAL SITE RECLAMATION:

What measures will be taken for final reclamation of the operation? (143)

- ☐ Backfill mining cuts
- ☐ Re-contour overburden piles
- ☐ Remove all equipment
- ☐ Remove all storage tanks and fuel
- ☐ Re-contour tailings piles
- ☐ Remove all waste
- ☐ Spread black muck/vegetative mat over reclaimed areas
- ☐ Remove all structures (buildings, dams, ponds, camps, etc.)

Describe in detail the method for removal of all water related structures: (144)

If any measures in box 143 will not be done, or any water related structures will be left in place, please explain why: (145)

Describe any other reclamation activities planned: (146)

Are there any disturbed areas where a 2:1 slope cannot be achieved for final reclamation? (147)

- ☐ **No,**
- ☐ **Yes,** *If yes, explain why, and what additional erosion control and/or monitoring measures planned to ensure slope stability:*

_____

_____

Will all access roads, trails, bridges, and culverts be removed and/or reclaimed at the end of the operation? (148)

- ☐ **No,** *If no, explain why not:*

_____

- ☐ **Yes,** *If yes, explain how:*

_____

CERTIFICATION (149)

I certify that all of the information contained in this application is complete and accurate to the best of my knowledge and that any changes will be reported to the Yukon Water Board and Government of Yukon, Mining Lands.

_____	_____	_____
Name of Applicant	*Signature of Applicant*	*Date (year, month, day)*

PROJECT CONFIRMATION FORM (150)

IMPORTANT INFORMATION ABOUT YOUR WATER USE APPLICATION # _____

In most cases, the Yukon Water Board cannot issue a water use licence until a Decision Document has been issued under the *Yukon Environmental and Socio Economic Assessment Act* ("YESAA"), and any licence that is issued cannot be contrary to that Decision Document.

Once you have received your Decision Document from the YESAA process, please provide us with the attached form indicating that your Water Use Application conforms to the Project proposed and assessed by YESAA and incorporates any required changes that have arisen during that process.

You can e-mail the form to us at ywb@yukonwaterboard.ca or send it by fax to (867) 456-3890.

If your project has changed, please provide the Water Board with either a new, or an amended, application.

PROJECT CONFIRMATION
(Do not complete this form until after YESAA has been completed)

I hereby certify that a YESAA decision document has been issued and the above noted water use application is accurate and complete and reflective of the project proposed and assessed under YESAA.

YESAA File Number: _____

Name: (please print) _____

Signature: _____ Date: _____