

APPLICATION FOR A CLASS 4 PLACER MINING LAND USE OPERATING PLAN

DURATION OF OPERATION and LENGTH OF SEASONS

This section to be completed for claims identified on the water use application

1. Annual Start Date: May 1 Annual End Date: October 1

If annual start/end dates change, you must give the district Mining Inspector written notice 4 days prior to commencement of approved activities for the year(s) in question.

SUMMARY OF OPERATION WORK PLAN

2. Describe your program chronologically giving approximate dates or months of work to be done. This should include a plan of all mining and exploration activities, ongoing and final reclamation activities (i.e. road construction, drilling exploration, stripping, completion of the project etc.). Add additional pages if required.

April-May

Equipment set up and maintenance

June-September

Active mining and sluicing

October

winterization and annual site closure

Annual mining plan for next 5 years with progressive reclamation

Sequential mining will occur from the current mine cut on claim P42754 moving towards claim P42756

Access to site is in place from past water licence PM04-381

No drilling is being proposed on this property

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EXISTING DEVELOPMENT IN THE AREA -Within 1 km of the proposed project site

- 3. Evidence of Mineral Exploration work: Active Placer
 Non-active/abandoned Hard Rock
- 4. Mine Developments and Production: Active Placer
 Non-active/ abandoned Hard Rock
- 5. Existing Roads: Primary (paved)
 Secondary (gravel/mud)
- 6. Existing Trails: ATV/snowmobile access
 Heavy equipment access
- 7. Air Access: Airstrip (paved) Helicopter Pad
 Airstrip (unpaved)
- 8. Agricultural Activity/ Forest Harvesting: Active
 Non-active/ abandoned
- 9. Quarrying: Active
 Non-active/ abandoned

10. Archaeological Sites: (give claim numbers and show location on claims map)

N/A

11. Burial Grounds: (give claim numbers and show location on claims map)

N/A

12. Permanent structures (give claim numbers and show location on claims map)

No permanent structures

- 13. Resource harvesting: Fishing/hunting lodge/ camp Trap Line
- 14. Oil and Gas: Exploration Extraction
- 15. Recreational use: Campground Hiking Trails
 Other (specify): **fishing**

16. Power/ Communications/ Hydroelectric Development: (Give claim numbers and show location on claims map.)

N/A

17. Transmission Lines: (Give claim numbers and show location on claims map.)

N/A

18. Communications Towers: (Give claim numbers and show location on claims map.)

N/A

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ACCESS AND TRANSPORTATION METHODS

All vehicle access within a mine cut or work area that will be totally reclaimed prior to the end of the operation are NOT considered to be new roads or trails in the application. Access routes off your claim (grant) block may require a ALand Use Permit@. Contact your inspector for information.

Access to work areas

19. Will existing roads be upgraded (this does not include routine maintenance)?

Yes No

Describe upgrading work that will be done and when:

20. Will new roads be developed?

Yes No

21. Describe work that will be done to develop the new access road:

22. Will new trails be developed?

Yes No

Other Access: _____ Winter road (packed snow fill)

23. New Helicopter Pad: Area _____ m²

Existing Airstrip: Length _____ m Width: _____ m

24. Develop new airstrip?

Yes No

If yes, Length: _____ km, Width: _____ m

25. If yes, where will the airstrip be located (list grant numbers)?

26. Is there any critical wildlife habitat within 1 km of the proposed airstrip (i.e. birthing grounds located near the airstrip)? If yes, please explain what precautions will be taken not to disturb the wildlife:

No critical habitat identified or known in the area

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27. How will erosion of access roads and trails be avoided? (Check those applicable.)
- | | |
|---|---|
| <input checked="" type="checkbox"/> Road grades minimized | <input type="checkbox"/> Routes are on flat ground |
| <input checked="" type="checkbox"/> Routes are high/dry | <input type="checkbox"/> Streambed avoided where possible |
| <input checked="" type="checkbox"/> Deep valleys/depressions avoided | <input type="checkbox"/> Sandhills are avoided |
| <input type="checkbox"/> Flood plains are avoided where possible | <input type="checkbox"/> Coarse grained deposits used for access |
| <input type="checkbox"/> Tension cracks/ice wedges are avoided | <input type="checkbox"/> Ponding areas are avoided |
| <input checked="" type="checkbox"/> Seeps, marches and springs are avoided | <input type="checkbox"/> Cuts and fills on slopes stabilized |
| <input checked="" type="checkbox"/> Ground vegetation preserved where possible | <input checked="" type="checkbox"/> Terracing, benching, rounding of slopes |
| <input type="checkbox"/> Trees felled/brush pushed across access route | |
| <input type="checkbox"/> Brush spread on downhill side of route to act as sediment trap | |
| <input type="checkbox"/> Areas on south facing slopes used to avoid permafrost areas | |

28. Is there isolated permafrost in the area?

- Yes No

If yes, can routes be located on south-facing slopes to avoid permafrost zones?

- Yes No

*****Questions 29 through 32 are for any exploration activity outside of the active mining area(s).*****

Did you include the location of these activities on the claims map(s)?

Surveying

Lines must be cut by hand or with hand-held tools. Cut brush must not be piled so that it blocks movement of wildlife or people. Leaning trees created by the cutting of lines must be felled.

29. Will cut lines be made for surveying purposes?

- Yes No

Site preparation

In making a corridor the vegetative mat must not be removed. All risk of fire hazard must be avoided. Removed brush must not be piled so that it blocks movement of wildlife or people. Leaning trees created by removal of trees and brush must be felled.

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Corridors

30. Will corridors be established (for trails, water line, fuel line or power line)?
 Yes No
31. Will you be making trenches and/or test pits?
 Yes No
32. How will the trenches/pits be made?
 Hand held tools Mechanized equipment

Drilling

33. Will there be any drilling on the grants?
 Yes No
34. Will clearings be made for drilling sites?
 Yes No

Timber Use

Burning of brush/timber may require a burn permit and may have seasonal restrictions. Harvest of timber for purposes other than miner-like purposes requires a timber permit. Consult Government of Yukon, Forestry for information. On Commissioner=s Land, a land use authorization may be required to harvest timber. Consult Government of Yukon, Lands Branch.

35. Will timber be cut?
 Yes No

If yes, what will happen to cut logs:

- | | |
|--|--|
| <input type="checkbox"/> Stockpiled | <input type="checkbox"/> Burned |
| <input type="checkbox"/> Spread over access routes | <input type="checkbox"/> Limbed/bucked and dispersed |
| <input type="checkbox"/> Used for mining activities/structures | |

Overburden piles

36. Estimates of Overburden Removal (include additional years if applicable)

	Mechanical (m ³)	Hydraulic Stripping (m ³) (with Settling)		Mechanical (m ³)	Hydraulic Stripping (m ³) (with Settling)
Year 1:	<u>4000</u>	<u>0</u>	Year 6:	<u>0</u>	<u> </u>
Year 2:	<u>4000</u>	<u>0</u>	Year 7:	<u>0</u>	<u> </u>
Year 3:	<u>4000</u>	<u>0</u>	Year 8:	<u>0</u>	<u> </u>
Year 4:	<u>4000</u>	<u>0</u>	Year 9:	<u>0</u>	<u> </u>
Year 5:	<u>4000</u>	<u>0</u>	Year 10:	<u>0</u>	<u> </u>

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Stockpiling of Overburden

37. Estimated depth of black muck:

N/A metres

38. Is black muck depth generally consistent?

No black muck found at this mine site

39. Describe the method for disposition of overburden, including location (if overburden will be stockpiled) and methods that will be used to prevent erosion.

over burden is utilized in reclamation and revegetation of the site when completed

40. What is the approximate minimum distance between the stockpiled overburden and the watercourse?

>1 km metres

41. What is the estimated height of overburden piles prior to reclamation?

1-2 metres**Explosives***Explosives must be set off in a way that minimizes their impact on wildlife and public and that will not cause forest fires, unplanned landslides, artificial damming or other obstructions of streams.*

42. Will explosives be used?

 Yes No

If yes, indicate the type: _____

WASTE MANAGEMENT*Debris, equipment, fuel barrels, scrap metal and other waste at the work site must be stored safely, so as not to attract wildlife, and disposed of, by removal or incineration, as often as is practicable through the mining season and completely at the end of the operation.*

43. Describe disposal methods for non-hazardous waste and where it will be disposed of (scrap metal, parts, barrels, etc.):

All wastes will be removed to the Mayo municipal waste dump

44. Will waste materials be disposed of within 30 metres of water bodies or courses?

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Yes

No

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- 45. Describe handling, storage and disposal methods for hazardous waste (used batteries, fuel filters, fuel pumps etc.)

Contained in a controlled area until required-stored securely in the off season and removed or disposed of prior to the licence expiry

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

- 46. Will chemicals be used to process mining concentrates?

Yes No

- 47. If yes, name all chemicals and describe methods for storage, retrieval and disposal:

CAMP FACILITIES AND MAINTENANCE

Structures/Facilities

- 48. Use of existing facilities (specify): _____

Tent(s) Frame/log structure
 Trailer(s) Camp facilities not required

- 49. Will camps or facilities be located within 30 metres of water bodies?

Yes No

FUEL STORAGE AND HANDLING

- Mark location(s) of fuel storage sites on claim sheet(s).
- All mining land use operations require a spill emergency plan to be in place and posted on site.

- 50. Will fuel be stored on claims?

Yes No

- 51. Will fuel storage on claims be greater than 4,000 litres at any given time?

Yes No

If yes, are the tanks greater than 4,000 litres registered?

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- Yes No
52. What method of secondary containment will be used?
- Area around the tanks will be bermed
- Area will be lined with impermeable material
- Other: Minimal fuel on site <400l

Transport of Fuel

53. Describe method(s) of transport of fuel and other petroleum products and containers to be used on claims.

Tidy tank in pickup for diesel fuel

Fuel Storage

54. Type of Fuel	Fuel storage tank (type, capacity)	Quantity (litres)	Distance from nearest stream (m)	Name of nearest stream
<u>diesel</u>	<u>tidy tank</u>	<u><400</u>	<u>> 1 km</u>	<u>Jarvis Creek</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

55. Describe fuel storage facilities, (where and how is the fuel stored - include a sketch if this will be helpful):

back of pickup

56. Where and how will refueling take place?

Electric fuel pump from tidy tank (450l). Tidy tank refilled on regular trips to Mayo for supplies

Waste petroleum products

57. Describe procedures and location for storage, removal and disposal of waste petroleum products (oil, lubricants, contaminated fuel and other special industrial wastes). If waste petroleum products will be burned, they must be burned in a CSA approved burning device:

**Used oil is hauled to service station in 5 gallon pails for final disposal
*approximately 6 gallons generated per year**

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OPERATIONAL PRACTICES

Overburden and Tailings

58. How will slope stability be maintained where overburden and tailings piles are created?

- 2 horizontal to 1 vertical ratio for piles will be maintained
- Piles will be re-contoured and smoothed over
- Vegetative mat/organic material/soil with seed stock will be conserved and spread over piles for re-vegetation
- Other techniques (describe): _____

59. Are there areas where a 2 horizontal to 1 vertical slope cannot be achieved?

- Yes
- No

If yes, describe these areas and explain alternative measures to achieve stability:

Mining Cuts/Trenches

60. What measures will be taken to ensure cuts are stabilized, erosion is controlled and re-vegetation can occur?

- Vegetative mat will be separated from overburden and bedrock
- Conserved vegetative mat and overburden will be backfilled
- Backfilled areas will be seeded and fertilized
- Benches will be constructed
- Other techniques: _____

Seasonal Camp Closure

61. Describe work that will be done at the end of each year to ensure camp facilities are left in a condition that will not attract wildlife:

- Campsite will be left clean
- Debris will be disposed of by incineration
- Debris will be disposed of by removal
- Fuel/petroleum products stored to prevent spillage
- Other: _____

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FINAL SITE RECLAMATION

62. What measures that will be taken for final reclamation of operation? Attach additional pages, or sketches, if this would be helpful.

- Remove all structures
- Remove all equipment
- Remove all storage tanks
- Remove all waste
- Spread black muck/ vegetative mat over tailings piles
- Backfill mining cuts
- Re-contour tailings piles
- Re-contour overburden piles

If materials are not to be spread over tailings piles, explain:

63. What terrestrial reclamation measures will be used such as re-vegetation, re-contouring mined out areas, etc? Describe where and how:

Mined areas will be recontoured and the vegetative mat spread on top

64. What will be done with fuel, tanks, storage area, other industrial supplies etc?

All supplies are removed annually and will be permanently removed on final reclamation

65. What work will be done to ensure slope stability (for stockpiled overburden, tailings, fines, etc)?

Site will be restructured to original condition through backfilling and spreading of stockpiles of growing mediums

66. Are there areas where a 2 horizontal to 1 vertical slope cannot be achieved for re-located materials?

- Yes No

If yes, describe these areas and explain alternative measures to ensure stability:

Access Routes and Trails

67. Will access routes be reclaimed?

- Yes No

If yes, explain how:

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Sloped access will have water bars installed to prevent water erosion

68.

What access structures will be removed?

- Bridges
- Culverts
- Roads
- Trails

69.

What access structures will remain in place?

- Bridges
- Culverts
- Roads
- Trails

If access structures are to be left in place, explain why:

No access structures will be installed and none removed-existing trails will remain

Removal of Camp Structures

At end of operation, structures must be removed and the site restored to a level of use comparable to the previous level of use.

70. Provide details as to how and when camp site structures will be removed:

At the end of the operation all structures will be removed and site restored to previous level of use

71. If structures are not to be removed, explain why:

N/A

72. What will be done with other waste materials? (i.e. metal, machinery, sewage disposal facilities, household items)?

Be Specific:

All waste will be removed and hauled to local land fill or approved waste facility

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CONSULTATION

73. Have you discussed the proposed operation with any individuals or organization that may be affected by the project? If so, indicate who and what input you have received (i.e. any concerns you are aware of, support for the project, interest in participation, other input, etc.):

No. Have no expectations of anyone being affected by this operation

CERTIFICATION

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 Government of Yukon, Mining Lands.

Name of Applicant/Operator

Signature of Applicant/Operator

Date

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