

You will need to comply with the Operating conditions contained within the *Placer Mining Land Use Regulations*. These Regulations are included in the Application package.

Please read them carefully, particularly Schedule I, section 5, before filling out the application.

Please Note

A Mining Land Use Approval can only be issued for 1 to 5 years for a fee of \$250.00 or 5 to 10 years for \$500.00, it can not exceed either the 5 year or 10 year term.

Y W B

NOV 10 2009

PM09-654

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: Sept 30

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.

Stripping of the mining cut begins early May, continues until paydirt is reached, this can take anywhere from 2-6 wks depending on whether the gravel is thawed or frozen. Once paydirt is reached, it is trucked to the washing plant for processing, when stripping is completed, the next section of the area to be mined is then stripped with over burden going into the prior mined out area. This process continues for the length of the water lic. The stripping is set up so that the fines & water flow into an excavated mining cut.

Between years 3 & 5 of the license Hunker rd will be moved down onto the valley bottom starting on claim # P00227 & going upstream to meet the existing road on claim # P21354. This will eliminate a very dangerous corner & allow the gravel under the rd road to be mined.

Y.T.G. Highway & the mining inspector will be consulted & the new road will not open until both Y.T.G. Highway & the inspector give their approval.

Y W B

NOV 10 2009

April 2008

PM09-654

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

- 3. Evidence of Mineral Exploration Work: Active Non-active/abandoned
Placer Hard Rock
- 4. Mine Developments and Production: Active Non-active/abandoned
Placer Hard Rock
- 5. Existing Roads: Primary (paved) Secondary (gravel/mud)
- 6. Existing Trails: ATV/snowmobile access Heavy equipment access
- 7. Air Access: *N/A* Airstrip (paved) Airstrip (unpaved) Helicopter Pad
- 8. Agricultural Activity *N/A* Forest Harvesting: active Non-active/abandoned
- 9. Quarrying: *N/A* Active Non-active/abandoned
- 10. Archaeological *N/A* Sites:
(Give claim numbers and show location on claims map.)
- 11. Burial Grounds: *one grave beside Hunter Rd on claim # 35630*
(Give claim numbers and show location on claims map.)
- 12. Permanent Structures: *N/A*
(Give claim numbers and show location on claims map.)
- 13. Resource Harvesting: *N/A* Trap Line Fishing/hunting lodge/camp
- 14. Oil and Gas Exploration/Extraction: *N/A*
- 15. Recreational Use: *N/A* Campground Hiking trails
Other recreation use (specify):
- 16. Power/Communications/Hydroelectric Development: *N/A*
(Give claim numbers and show location on claims map.)
- 17. Transmission *N/A* Lines:
(Give claim numbers and show location on claims map.)
- 18. Communications Towers: *N/A*
(Give claim numbers and show location on claims map.)

Y W B

NOV 10 2009

PMB9-654

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 "Land 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:

see page 30 Summary of Operation Work Plan

22. Will new trails be developed? Yes No

Other Access: Winter road (packed snow fill)

23. New Helicopter Pad: Area N/A 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.)

N/A

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:

N/A

Y W B

NOV 10 2009

April 2008

PM09-654

27. ^{N/A} How will erosion of access roads and trails be avoided? (Check those applicable.)

- Road grades minimized
- Routes are high/dry
- Deep valleys/depressions avoided
- Flood plains are avoided where possible
- Tension cracks/ice wedges are avoided
- Seeps, marches and springs are avoided
- Trees felled/brush pushed across access route
- Brush spread on downhill side of route to act as sediment trap
- Terracing, benching, rounding of slopes
- Areas on south facing slopes used to avoid permafrost areas
- Routes are on flat ground
- Streambed avoided where possible
- Sand hills are avoided
- Coarse grained deposits used for access
- Ponding areas are avoided
- Ground vegetation preserved where possible
- Cuts and fills on slopes stabilized

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 ^{N/A}

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.

Y W B

NOV 10 2009

PM09-654

Corridors *N/A*

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 *N/A*

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 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, indicate what will happen to cut logs:
- Stockpiled Spread over access routes Burned
 Used for mining activities/structures Limbed/bucked and dispersed

Overburden Piles

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

	Mechanical	Hydraulic Stripping with settling	
Year 1:	<u>25,000</u>	_____	m ³
Year 2:	<u>25,000</u>	_____	m ³
Year 3:	<u>20,000</u>	_____	m ³
Year 4:	<u>25,000</u>	_____	m ³
Year 5:	<u>30,000</u>	_____	m ³
Year 6:	<u>20,000</u>	_____	m ³
Year 7:	<u>20,000</u>	_____	m ³
Year 8:	<u>25,000</u>	_____	m ³
Year 9:	<u>25,000</u>	_____	m ³
Year 10:	<u>25,000</u>	_____	m ³

Y W B

NOV 10 2009

PM09-654

Stockpiling of Overburden

37. Estimated depth of black muck:

7 1/2 metres *undredged ground*
3 1/2 " *dredged ground*

38. Is black muck depth generally consistent? Yes

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

The overburden goes into prior mining cuts although where possible some is spread over the old dredge tailings to provide for growth.

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

10 metres *this is the material for the old dredge tailings*

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

2 metres - *as to 40*

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 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.):

that which cannot be incinerated will be taken to the Dawson city dump

44. Will waste materials be disposed of within 30 metres of water bodies or courses? Yes No

Y W B

NOV 10 2009

PM09-654

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

Taken to Dawson Dump

Hazardous material must be labeled 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:

N/A

CAMP FACILITIES AND MAINTENANCE

Structures/Facilities

48. Use of existing facilities (specify): _____

Frame/log structure Trailer(s) Tent(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? Yes No T 479

Y W B

NOV 10 2009

PM69-654

52. What method of secondary containment will be used?

Area around the tanks will be: Bermed Area will be lined with impermeable material

Other: _____

Transport of Fuel

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

At present fuel is transported to the fuel storage area by
Markenye Petro.

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>Tank # 1</u>	<u>4000</u>	<u>80 m</u>	<u>Hunter Creek</u>
	<u>Tank # 2</u>	<u>2000</u>	<u>80 m</u>	<u>Hunter Creek</u>

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

see Mining Plan

56. Where and how will refueling take place?

fuel from storage tanks is put into a mobile 1000l. tank & taken
to where the equipment is working.

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 goes to a mechanical shop with a CSA approved
burning device.

Y W B

NOV 10 2009

PM09-054

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 (explain): When mining old dredge areas, there is no

vegetative mat where possible the mud layer is spread over the coarse tailing to promote faster growth.

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 ^{known}

Other: No campsite as commute to Dawson Lake back each day

Y W B

NOV 10 2009

PM09-654

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

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

*What fuel that remains plus the tanks will be sold & removed
the storage area will be contoured with the surrounding area. Industrial
supplies will be sold or taken to the Dawson Dump*

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

*All areas will be contoured with black muck spread where
possible*

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:

*all access roads on claims will be scarified & allowed to
re-vegetate naturally*

Y W B

NOV 10 2009

PM09-654

68. What access structures will be removed? Bridges ^{N/A} 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: _____

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:

No camp structures

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

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

Be Specific: All waste materials will be taken to the Dawson Dump

Y W B

NOV 10 2009

PM09-054

