

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: 13.05.2009 Annual End Date: 1.10.2011

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.

13th May 2009 - 27th May 2009 :

Land stripping and preparation of camp and mining site. Drilling will start when site is prepared.

28th May 2009 - 2nd October 2009 :

Mining will start. Land stripping and final reclamation work will proceed with mining progress.

Further drilling is planed.

13th May 2010 - 2nd October 2010 :

Land stripping, mining and reclamation work will be done.

13th May 2011 - 15th August 2011:

Land stripping, mining and final reclamation work will be done.

16th August 2011 - 1st October 2011 : camp site,waste and equipment will be removed.

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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: Airstrip (paved) Airstrip (unpaved) Helicopter Pad
- 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.)

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

12. Permanent Structures: _____
 (Give claim numbers and show location on claims map.)

13. Resource Harvesting: Trap Line Fishing/hunting lodge/camp

14. Oil and Gas Exploration/Extraction:

15. Recreational Use: Campground Hiking trails
 Other recreation use (specify): _____

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

17. Transmission Lines:

 (Give claim numbers and show location on claims map.)

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

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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 "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:

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:

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27. How will erosion of access roads and trails be avoided? (Check those applicable.)

- | | |
|---|--|
| Road grades minimized <input type="checkbox"/> | Routes are on flat ground <input type="checkbox"/> |
| Routes are high/dry <input checked="" type="checkbox"/> | Streambed avoided where possible <input type="checkbox"/> |
| Deep valleys/depressions avoided <input type="checkbox"/> | Sand hills 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 type="checkbox"/> |
| Seeps, marches and springs are avoided <input type="checkbox"/> | Ground vegetation preserved where possible <input checked="" type="checkbox"/> |
| Trees felled/brush pushed across access route <input type="checkbox"/> | Cuts and fills on slopes stabilized <input type="checkbox"/> |
| Brush spread on downhill side of route to act as sediment trap <input type="checkbox"/> | |
| Terracing, benching, rounding of slopes <input type="checkbox"/> | |
| Areas on south facing slopes used to avoid permafrost areas <input type="checkbox"/> | |

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 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:	10000		m ³
Year 2:	10000		m ³
Year 3:	10000		m ³
Year 4:			m ³
Year 5:			m ³
Year 6:			m ³
Year 7:			m ³
Year 8:			m ³
Year 9:			m ³
Year 10:			m ³

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Stockpiling of Overburden

37. Estimated depth of black muck:
_____ metres

38. Is black muck depth generally consistent? No

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

Overburden will be stockpiled with and refilled as soon as possible

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

41. What is the estimated height of overburden piles prior to reclamation?
3 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 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.):

waste will be brought to disposal site once a week in Dawson.

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

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

waste will be stored by type and not mixed in special containers for each type. waste will be removed once per week to licensed disposal site.

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:

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

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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:
 fuel will be stored on site. equipment will be filled up at one site. all containers will be stored at one site.

Fuel Storage

54. Type of Fuel	Fuel storage tank (Type, capacity)	Quantity (litres)	Distance from nearest stream(m)	Name of nearest stream
Diesel	Barrel , 200	2000	100	Forty Mile River
Petrol	Barrel , 200	200	100	Forty Mile River
_____	_____	_____	_____	_____

55. Describe fuel storage facilities, (where and how is the fuel stored - include a sketch if this will be helpful):
 Fuel will be stored in storage area. Fuel barrels will be stored on ground and not stacked.

covered and protected by bear fence.

56. Where and how will refueling take place?

refueling will take place near the storage area.

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:

waste will be stored in storage area. waste will be stored in special containers and divided by type.
 once per week waste will brought to disposal site.

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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):
vegetative mat and overburden will be divided and stored separately and backfilled as soon as possible

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):

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

re-vegetation will proceed when one mining cut is completed. re-contouring will happen
 with the process of the mining cut.

64. What will be done with fuel, tanks, storage area, other industrial supplies etc.?
every type of industrial supply will be removed and disposed.

65. What work will be done to ensure slope stability, (for stockpiled overburden, tailings, fines, etc.)?
stockpiles will not exceed 3meter in height and will at least 6 meters wide on level ground.

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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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: _____

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:

in September 2011 trailers, tent, frame structure will be towed/load on truck and brought to next mining location

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: _____
equipment, metals household will be brought to next mining location, sewage disposal facilities will be cleaned up.

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