

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

Annual Start
1. Date: May 1 Annual End Date: October 31

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.

Year 1 (2010): Prepare settling system to continue mining the bench on A Vault 5. Replace tailings piles and overburden over mined out areas. Prepare successive pond downstream in mined pit. Build reservoir on A Vault 6-7 for low water years. Yearly: keep a clean camp, maintain equipment to prevent leaks, check fuel tanks & maintain infrastructure.

Year 2 (2011): Extend bench operation downstream, maintain or divert channel around lower pond, de-water and fill upper pond, re-contour tailings and overburden over mined ground.

Year 3 (2012): Continue mining the main valley with successive pond development moving downstream, build diversion. Test downstream claims and plan development. Maintain all accesses and channels.

Year 4 (2013): Test upper valley and develop trails for equipment or drill access on A Vault 7, RL Trib. Move mining operation to A Vault 1 in main valley. Re-contour piles and replace materials over mined ground. Build diversion.

Year 5 (2014): If test results prove an economic potential, start developing reservoir and pits for settling ponds on RL Trib. Continue mining lower valley, build additional pond if required moving upstream, backfill upper worked-out ponds, re-contour ground with tailings and overburden. Spread any organics on surface. Maintain all accesses, berms, culverts and flowing channels. Construct diversion channel for RL Trib.

Year 6 (2015): Fill reservoir on A Vault 7, fill pond(s) on RL by gravity as much as possible. Finish mining lower valley, move plant to RL Trib., monitor settling ponds and reservoir for retention and drainage, sluice materials from creek diversion. Continue reclamation in lower valley.

Year 7 (2016): Finish reclamation of lower valley, leave creek in stable and clear channel, de-water all ponds, backfill with tailings, scatter overburden and organics. Continue mining on RL Trib. in an upstream direction, progressive

April 2008 (wd. form)

Y W B

replacement of materials and re-contouring. Maintain all accesses, structures and channels. Start planning testing for upper valley along Upper Dominion.
Year 8 (2017): Carry out testing of upper valley to determine pay locations. Continue mining RL Trib. with progressive reclamation.
Year 9 (2018): Spot mine upper valley using RL Trib. installation or prepare new settling area including and above reservoir.
Year 10 (2019): Finish reclaiming RL Trib., mining upper valley, reclaim all mined areas, access trails and settling facilities. Ensure stable channels for all diversions, breach dam, etc. and re-contour tailings & overburden. Dismantle and remove camp and all ancillary equipment, tanks, storage sheds and parts. Reclaim and block roads unless used by Others. If mining is not complete, a new application would be filed at that time.

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P 010-008

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

3. Evidence of Mineral Exploration work:

<input checked="" type="checkbox"/> Active	<input checked="" type="checkbox"/> Placer
<input checked="" type="checkbox"/> Non-active/abandoned	<input checked="" type="checkbox"/> Hard Rock
4. Mine Developments and Production:

<input checked="" type="checkbox"/> Active	<input checked="" type="checkbox"/> Placer
<input checked="" type="checkbox"/> Non-active/ abandoned	<input checked="" type="checkbox"/> Hard Rock
5. Existing Roads:

<input type="checkbox"/> Primary (paved)
<input checked="" type="checkbox"/> Secondary (gravel/mud)
6. Existing Trails:

<input type="checkbox"/> ATV/snowmobile access
<input checked="" type="checkbox"/> Heavy equipment access
7. Air Access:

<input type="checkbox"/> Airstrip (paved)	<input type="checkbox"/> Helicopter Pad
<input type="checkbox"/> Airstrip (unpaved)	
8. Agricultural Activity/ Forest Harvesting:

<input type="checkbox"/> Active
<input checked="" type="checkbox"/> Non-active/ abandoned
9. Quarrying:

<input type="checkbox"/> Active
<input checked="" type="checkbox"/> Non-active/ abandoned
10. Archaeological Sites: (give claim numbers and show location on claims map)

None known
11. Burial Grounds: (give claim numbers and show location on claims map)

None known
12. Permanent structures (give claim numbers and show location on claims map)

N/A
13. Resource harvesting:

<input type="checkbox"/> Fishing/hunting lodge/ camp	<input checked="" type="checkbox"/> Trap Line
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14. Oil and Gas:

<input type="checkbox"/> Exploration	<input type="checkbox"/> Extraction
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15. Recreational use:

<input type="checkbox"/> Campground	<input type="checkbox"/> Hiking Trails
<input type="checkbox"/> Other (specify): _____	
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.)

King Solomon Dome, 1.5 km+

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 N/A m²
 Existing Airstrip: Length N/A 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:

27. 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
 - Ground vegetation preserved where possible
 - Trees felled/brush pushed across access route
 - Brush spread on downhill side of route to act as sediment trap
 - Areas on south facing slopes used to avoid permafrost areas
 - Routes are on flat ground
 - Streambed avoided where possible
 - Sandhills are avoided
 - Coarse grained deposits used for access
 - Ponding areas are avoided
 - Cuts and fills on slopes stabilized
 - Terracing, benching, rounding of slopes

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.

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:

- Stockpiled Burned
 Spread over access routes Limbed/bucked and dispersed
 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>15 000</u>	<u>Nil</u>	Year 6:	<u>5 000</u>	<u> </u>
Year 2:	<u>10 000</u>	<u> </u>	Year 7:	<u>10 000</u>	<u> </u>
Year 3:	<u>10 000</u>	<u> </u>	Year 8:	<u>10 000</u>	<u> </u>
Year 4:	<u>15 000</u>	<u> </u>	Year 9:	<u>5 000</u>	<u> </u>
Year 5:	<u>10 000</u>	<u> </u>	Year 10:	<u>5 000</u>	<u> </u>

Stockpiling of Overburden

37. Estimated depth of black muck:
1-2 metres
38. Is black muck depth generally consistent?
No, non-existent in previously stripped or mined areas.
39. Describe the method for disposition of overburden, including location (if overburden will be stockpiled) and methods that will be used to prevent erosion.
Stockpiled away from water, at edges of work areas for later replacement at reclamation time. Organics mixed in with overburden to conserve vegetation.
40. What is the approximate minimum distance between the stockpiled overburden and the watercourse?
10-20 metres
41. What is the estimated height of overburden piles prior to reclamation?
3-4 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.):
Recycled or sold where possible, disposed of at regional landfill in appropriate locations.
44. Will waste materials be disposed of within 30 metres of water bodies or courses?
 Yes No

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

All taken to recycling depot or disposed of at regional landfill at Quigley dump. Stored in leak-proof containers until transit, cores returned for refund.

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:

N/A

CAMP FACILITIES AND MAINTENANCE

Structures/Facilities

48. Use of existing facilities (specify): Camp is established on Claim A Vault 5

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?

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: _____

Transport of Fuel

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

Commercial tanker or Tidy Tank mounted on 4X4 pick-up truck. All other products in leak-proof containers or commercial packaging in water-proof containers.

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>1000-gal Hz steel</u>	<u>4540</u>	<u>30</u>	<u>Upper Dominion</u>
<u>Unl. gas</u>	<u>45-gal steel drum</u>	<u>408</u>	<u>30</u>	<u>Upper Dominion</u>
<u>Propane</u>	<u>100-lb bottle</u>	<u>200 lbs</u>	<u>30</u>	<u>Upper Dominion</u>

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

Diesel in 1000-gal horizontal steel tank at safe/easy access along road to camp. All other products stored in shed. No petroleum products left on site over the winter.

56. Where and how will refueling take place?

At the fuel storage area (maintenance area) or at the equipment well away from water. Re-fueling at equipment to be by 4X4 pick-up truck with Tidy Tank.

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 oil to be filtered and stored in leak-proof containers for Northern Superior who have a CSA-approved used oil heater for their shop (Waste Oil Depot #70-430) Permission has been granted to extend the agreement with the previous mine operator for this location. All other wastes if not recyclable or otherwise recuperable will be landfilled at the regional landfill site at

Quigley Gulch. All such commodities to be stored at the maintenance area on A Vault 4.

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): Smooth contours, rough surface for seed and water retention.

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:

Walls of valley are steep. Coarse materials to be placed along the bottom of the steep faces, with finer materials spread on top, and organics all left to find a natural angle of repose and revegetate to stabilize soils. The creek channel will be bermed to avoid sluffs from entering or blocking the creek.

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: Rapid replacement & contouring

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: No petroleum products left on site

All equipment and buildings secured

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.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Remove all structures | <input checked="" type="checkbox"/> Backfill mining cuts |
| <input checked="" type="checkbox"/> Remove all equipment | <input checked="" type="checkbox"/> Re-contour tailings piles |
| <input checked="" type="checkbox"/> Remove all storage tanks | <input checked="" type="checkbox"/> Re-contour overburden piles |
| <input checked="" type="checkbox"/> Remove all waste | |
| <input checked="" type="checkbox"/> Spread black muck/ vegetative mat over tailings piles | |

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

N/A

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

Good consistent re-contouring with windrows/terraces if needed to prevent erosion on slopes, channel management (live willow plantings, fines & organics spreading along banks), cuts re-contoured or backfilled, slopes & piles flattened. To be done progressively in all areas to minimize equipment travel.

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

All removed.

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

All flattened/backfilled to resemble original ground (OG).

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:

Cuts along creek valley. Coarse materials to be laid at the toe of slope, with fines/overburden spread on top, left to find its own angle of repose. Creek channel to be bermed through any such area to avoid silting or blocking of creek.

Access Routes and Trails

67. Will access routes be reclaimed?

Yes No

If yes, explain how:

Scarified, vegetation spread across, blocked at access with berm.

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:

N/A

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:

Dismantled and removed.

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 removed, with constant evacuation of wastes during mine life.

CONSULTATION

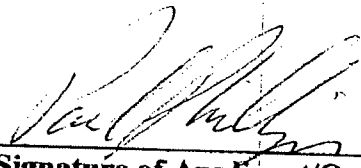
- 73. Have you discussed the proposed operation with any individuals or organization that may be affected by the project? If so, indicate who and what input you have received (i.e. any concerns you are aware of, support for the project, interest in participation, other input, etc.):

Art Sailer is below the operation as a miner, and the trapline is operated by Steve Kormendy Jr, and no conflicts are anticipated. All operators are aware of this application.

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.

Paul Phillips
Name of Applicant/Operator


Signature of Applicant/Operator

Dec. 17, 2009
Date



PH: (867)993-5343
FAX: (867)993-6747

February 12, 2010

Paul Phillips
Box 244
Madeira Park BC
V0N 2H0

PM10-008 LP00707

Dear Sir:

We have received your fuel tank storage registrations, and have assigned the following number:

T - 871	4500 Litres	Diesel
T - 872	4500 Litres	Diesel

Please display the numbers prominently on your tanks, so that they are easily seen when our inspection staff visit your site. We suggest spray-painting the numbers on the tank.

If you have any questions, please call me at (867) 993-5343 and I will be glad to assist you.

Yours truly,

Janet Bell-MacDonald
Mining Lands Officer

cc: CS & I
Josee Bonhomme
Yukon Water Board

YWB

02-12-2010

0201-008