



Attachment 5

Restoration Plan



**RESTORATION PLAN
FOR
THE NORTHWEST TERRITORIES
EXPLORATION WORK**

Revision Date: September 1, 2021

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Introduction

Selwyn Chihong Mining Ltd. (SCML) has been engaging in exploration activities in the Howard's Pass area since 2007 and would like to continue exploration drilling in the Howards Pass area. Mineral exploration drilling entails surface disturbance to clear the vegetative mat, the levelling of 10m X 10m areas for drill placement and the creation of trails by a dozer to move drills. Total disturbance is estimated at less than 4 ha.

SCML's environmental practices are well documented and stringently adhered to. The company is currently conducting reclamation work on areas that are no longer required for exploration activities. SCML normally conducts reclamation work simultaneously with the exploration work in order to minimize the area that is disturbed and to decrease the environmental impact.

Reclamation Program Outline

SCML implements all reclamation work using the following principles, processes, and resources:

- Full time, qualified, on-site personnel. SCML has hired qualified environmental monitors and technicians who are on site with the exploration crews. These individuals provide guidance on environmental work, monitor and inspect exploration equipment and implement reclamation work.
- On-going consultation. SCML consults with geotechnical engineers and Territorial and Federal Environmental Inspectors to determine the best methodology to reclaim areas.
- Use of best practices. SCML uses the Mine Site Reclamation Guidelines for the Northwest Territories and Yukon Revegetation Manual- Practical Approaches and Methods (2013) as a general guidance for reclamation activity.
- Site specific evaluation and direction. The onsite environmental monitors and technicians conduct site specific assessments of areas to be reclaimed and consult with local experts and territorial environmental inspectors to determine the best methodology and materials for this process.
- Reseed. Use of native seed and evaluated seeding, utilizing traditional knowledge and planting techniques for revegetation work.
- Reuse. Keeping the removed vegetative mat from drill pad construction for reclamation use.

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- Continual monitoring by qualified personal. Onsite environmental monitors and technicians monitor and document the reclamation process, identify successful actions and use the gathered information to guide future reclamation planning and activities.

Environmental Conditions and Restoration Plan

The project area falls within the Selwyn Mountains Ecoregion (PARC Technical Bulletin 04-01). The mean annual temperature ranges from -5.0 ° C to -8.0 ° C and precipitation ranges from 600 mm to 700 mm per year. Permafrost is present throughout the area; however, it is discontinuous. The vegetation in this area is alpine and subalpine. The work areas of the project are sparsely vegetated with scrub birch-willow communities in the low-lying areas, dwarf shrub communities at higher elevations and sub-alpine fir in the valley bottoms only.

Vegetation plot studies have been conducted to determine the natural groundcover. The native seed mix, presented in Table 1, has been approved by the Yukon Territorial Land Inspectors and is used for revegetation work. The seed supplier is diligent about providing native seed mixes that are free of non-native and invasive species.

Upon completion of drilling each hole, the following steps are taken for the reclamation of drill pads:

- Remove drilling equipment by moving it to the next site or demobilizing it once the program is complete.
- Remove all materials.
- Backfill the sump and recontour pad area, where necessary, to restore natural drainage.
- Replace vegetative mat on pad and sump.
- Seed area with native seed mix, preferably during favorable moisture conditions (early spring or late fall).

Once reclamation of exploration drilling areas is complete the trails will be scarified, where necessary, and seeded with the native seed mix.

Reclaimed areas will be monitored for success factors and adjustments, re-application and or further support will be utilized, as necessary.

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Table 1: Seed mix and application density recommended based on site specific conditions

Grass Species	Common Name	Application density (kg of seed / ha)
<i>Agropyron violaceum</i>	Violet wheat grass	10
<i>Agropyron pauciflorum</i>	Slender wheat grass	5
<i>Agrostis scabra</i>	Tickle grass	2
<i>Festuca ovina</i>	Sheep fescue	5
<i>Festuca saximontana</i>	Northern fescue	2.5
Total		24.5

Draft Reclamation Security Estimate

Using the Sahtu Land and Water Board's security estimation worksheet, a financial security deposit of CDN\$ 31,535 is proposed. The security estimation worksheet is included at the end of this document.

This estimate takes into consideration that there is now an all-season road to the site.

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Land Use Permit Security Worksheet

Application Number:	Input Amount	Multiplier		
Camp (C1)				
DRAFT				
Temporary Structures				
Input number of tent frames or weatherhaven (3.5m x 4.2m)	0	\$200.00		\$0.00
Input number of trailers (3.5m x 15.2m)	0	\$300.00		\$0.00
Input total square metres of other temporary structures (i.e. core shacks)	0	\$2.50		\$0.00
Fixed Structures				
Input total square metres of fixed structures	0	\$25.00		\$0.00
COPY				
Solid Waste				
For non-burnable material, input # of person days per season	0	\$1.00		\$0.00
For burnable material, input # of person days per season	0	\$0.50		\$0.00
Total C1				\$0.00
Regulated / Hazardous Materials (R1)				
Based upon on site volume				
Explosives; up to 500 kg (~pallet) dry explosives input 1, if none, input 0	0	\$500.00		\$0.00
Additional Explosives; input total kg >500	0	\$0.50		\$0.00
Drilling Muds (oil based); enter number of 83 m ³ (or equivalent) containers	1	\$1,000.00		\$1,000.00
Used Oil, Lubes and Antifreeze; enter number of pieces of heavy equipment	7	\$500.00		\$3,500.00
Other:				
Total R1				\$4,500.00
Hydrocarbon Storage and Transfer (H1)				
Based upon on site volume				
Gasoline and Diesel				
Enter total volume of gasoline&diesel <25,000 L	4000	\$0.50		\$2,000.00
Enter total volume of gasoline&fuel > 25,000 L	0	\$0.25		\$0.00
Total Gasoline and Diesel				\$2,000.00
When fuel is within bermed site or has other safety feature, enter 1, otherwise enter 0	1	25%		-\$500.00
Aviation Fuel				
Enter total volume of aviation fuel < 25,000 L	4000	\$0.50		\$2,000.00
Enter total volume of aviation fuel > 25,000 L	0	\$0.25		\$0.00
Total Aviation Fuel				\$2,000.00
When fuel is within bermed site or has other safety feature, enter 1, otherwise enter 0	1	25%		-\$500.00
Total H1				\$3,000.00
Land Disturbance (L1)				
Disturbed Surface Area				
<i>(Developed surface area that may require restoration through the use of scarification, reseedng, fertilizing or other similar techniques)</i>				
Enter number of hectares disturbed	4	\$1,000.00		\$4,000.00
Other Land Disturbances				
Creek Crossings; enter number of creek crossings	0	\$500.00		\$0.00
Off-Road Activities; if any activities are likely, enter 1	1	\$500.00		\$500.00
Sump Factor; enter total area occupied by sumps in m ²	450	\$10.00		\$4,500.00
Well Factor; enter number of wells.	0	\$25,000.00		\$0.00
Total L1				\$9,000.00

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Land Use Permit Security Worksheet (continued)

Application Number:	Input Amount	Multiplier	
Equipment (E1)			
Based upon type of equipment			
Enter number of pieces of heavy equipment (i.e. dozer, forklift, large gensets)	2	\$1,000.00	\$2,000.00
Enter number of drills	6	\$1,000.00	\$6,000.00
Enter number of light vehicles (trucks, atvs, snowmobiles, boats)	2	\$250.00	\$500.00
Enter number of small generators or pumps	6	\$100.00	\$600.00
Enter number of empty fuel storage tanks	23	\$500.00	\$11,500.00
Total E1			\$20,600.00
Security Calculation			
Preliminary Calculation			
Enter amount from C1			\$0.00
Enter amount from R1			\$4,500.00
Enter amount from H1			\$3,000.00
Enter amount from L1			\$9,000.00
Enter amount from E1			\$20,600.00
Preliminary Calculation, total of above	A		\$37,100.00
Multipliers			
Site Access Multiplier. If the project has all weather road access enter 1, if ice road access enter 1.5, if air access enter 2	B	1	
Performance Multiplier. If applicant has successfully completed the terms of a LUP enter 0.85, otherwise enter 1	C	0.85	
Environmental Risk Factor. If location has high environmental value or unusual environmental risk enter 2. If location is previously disturbed enter 0.75. Otherwise enter 1.	D	1	
Calculated Security			
Multiply preliminary calculation (A) by performance multipliers (B, C and D)	E		\$31,535.00
Existing Securities			
List existing associated permits and amount of overlapping security			
Permit: _____			
Overlapping Securities, total of above	F		\$0.00
Final Security Determination			
Subtract overlapping securities (F) from calculated security (E)			\$31,535.00
Comments			
Drilling Muds - Total estimate of 10 m3 of oil based drilling fluid additive for 150 hole program.			

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