



**RESTORATION PLAN
FOR
THE NORTHWEST TERRITORIES
BORROW PITS**

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DOCUMENT APPROVAL

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Selwyn Chihong Mining Ltd. is restructuring. As part of this process, the Environment and External Affairs Division has temporarily changed staffing.

This plan specifically references this Division and the required tasks and actions that key positions within it will undertake.

During this restructuring phase, the VP of Environment and External Affairs designate will undertake all required tasks and actions, the Senior Environmental Officer's designate will undertake all tasks and actions, and the Contracted Personnel will undertake all required tasks and actions.

DOCUMENT CONTROL

Rev. #	Date	Revision By	Approved By	Reason for Change
1.0	19/05/2024	S. Sidhu		Initial construction of the document for specific use.

Table of Contents

Summary	1
Introduction	1
Reclamation Program Outline	1
Environmental Conditions and Restoration Plan.....	1
Draft Reclamation Security Estimate	3
Land Use Pet Security Worksheet.....	4

GLOSSARY AND ACRONYMS

Term	Meaning
SCML	Selwyn Chihong Mining Ltd.
NT	Northwest Territories
YT	Yukon Territory
CWDF	Commercial Waste Disposal Facility
LTF	Land Treatment Facility

Summary

This Restoration Plan for the Northwest Territories Borrow Pits provides guidance on how to manage the materials for reclamation at the proposed quarry locations in the Northwest Territories in a manner that protects the environment and people, maintains the land in a state for future use and enjoyment, and complies with all legislation and permits.

Introduction

Selwyn Chihong Mining Ltd. (SCML) has been exploring the Howard's Pass area since 2007 and would like to continue drilling in the Howards Pass area. The 79-km-long Howards Pass Access Road (HPAR) is an established land-access route to the Selwyn Project site in the Northwest Territories. The HPAR was permitted initially and constructed in the late 1970s to provide initial access to the Howard's Pass area to support exploration and development work. In 2014, the HPAR was reconstructed to an all-season standard, including replacing all bridges.

Developing the two (2) quarries would involve removing vegetation and stripping organic material. The total disturbance is estimated to be less than XX ha. The materials would be segregated into appropriate piles to protect rootstock and other nutrients.

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 for reclaiming areas.
- Quarry stockpiles, overburden, or exposed soil banks will be maintained with slopes of less than 70 degrees to prevent bank swallow nesting, following ECCC guidance.
- 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 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 and organics for reclamation use.
- Continuous monitoring by qualified personnel; 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 project's work areas are 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 ground cover. 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 diligently provides native seed mixes that are free of non-native and invasive species.

Upon completion of the quarry, the following steps will be taken for the reclamation:

- Remove equipment by moving it to the next quarry or demobilizing it once quarry activities are completed;
- Remove all materials, e.g., stakes, spill kits, etc.;
- Any stockpiled material will be spread around the site;
- Recontour the area, where necessary, to restore natural drainage;
- Replace vegetative mat on disturbed area; and,
- Seed area with native seed mix, preferably during favourable moisture conditions (early spring or late fall), if required.

Once the quarry's reclamation is complete, the surrounding area will be scarified, where necessary, and seeded with the native seed mix.

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

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\$ 16,023.00 is proposed. The security estimation worksheet is included at the end of this document.

Land Use Permit Security Worksheet

Application Number: _____

Input
Amount Multiplier

Camp (C1)			
Temporary Structures			
Input number of tent frames or weatherhaven (3.5m x 4.2m)	D	0	\$200.00 \$0.00
Input number of trailers (3.5m x 15.2m)	R	0	\$300.00 \$0.00
Input total square metres of other temporary structures (i.e. core shacks)	A	0	\$2.50 \$0.00
Fixed Structures			
Input total square metres of fixed structures	F	0	\$25.00 \$0.00
Solid Waste			
For non-burnable material, input # of person days per season	T	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 63 m ³ (or equivalent) containers		0	\$1,000.00 \$0.00
Used Oil, Lubes and Antifreeze: enter number of pieces of heavy equipment		8	\$500.00 \$4,000.00
Other;			

Total R1			\$4,000.00

Hydrocarbon Storage and Transfer (H1)			
Based upon on site volume			
Gasoline and Diesel			
Enter total volume of gasoline&diesel <25,000 L		1000	\$0.50 \$500.00
Enter total volume of gasoline&fuel > 25,000 L		0	\$0.25 \$0.00
Total Gasoline and Diesel			\$500.00
When fuel is within bermed site or has other safety feature, enter 1, otherwise enter 0		0	25% \$0.00
Aviation Fuel			
Enter total volume of aviation fuel < 25,000 L		0	\$0.50 \$0.00
Enter total volume of aviation fuel > 25,000 L		0	\$0.25 \$0.00
Total Aviation Fuel			\$0.00
When fuel is within bermed site or has other safety feature, enter 1, otherwise enter 0		1	25% \$0.00
Total H1			\$500.00

Land Disturbance (L1)			
Disturbed Surface Area			
<i>(Developed surface area that may require restoration through the use of scarification, reseeding, fertilizing or other similar techniques)</i>			
Enter number of hectares disturbed		15.4	\$1,000.00 \$15,400.00
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		0	\$500.00 \$0.00
Sump Factor; enter total area occupied by sumps in m ²		0	\$10.00 \$0.00
Well Factor; enter number of wells.		0	\$25,000.00 \$0.00
Total L1			\$15,400.00

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)	8	\$1,000.00	\$8,000.00
Enter number of drills	0	\$1,000.00	\$0.00
Enter number of light vehicles (trucks, atvs, snowmobiles, boats)	3	\$250.00	\$750.00
Enter number of small generators or pumps	1	\$100.00	\$100.00
Enter number of empty fuel storage tanks	3	\$500.00	\$1,500.00
Total E1			\$10,350.00

Security Calculation			
Preliminary Calculation			
Enter amount from C1			\$0.00
Enter amount from R1			\$4,000.00
Enter amount from H1			\$500.00
Enter amount from L1			\$15,400.00
Enter amount from E1			\$10,350.00
Preliminary Calculation, total of above		A	\$30,250.00
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 succssfully 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	\$25,712.50
Existing Securities			
List existing associated permits and amount of overlapping security			
Permit: _____			
Permit: _____			
Permit: _____			
Permit: _____			
Overlapping Securities, total of above		F	\$0.00
Final Security Determination			
Subtract overlapping securities (F) from calculated security (E)			\$25,712.50

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Comments