# ABANDONMENT AND RESTORATION PLAN ALYRIS GOLD CORPORATION BLUE CARIBOU PROJECT

BY IAIN F. DOWNIE, P.ENG. MARCH 25, 2008

# LIST OF FIGURES (APPENDED)

FIGURE 1	REGIONAL OVERVIEW CLAIM MAP
FIGURE 2	AREA 1 DRILLING LOCATIONS
FIGURE 3	AREA 2 DRILLING LOCATIONS

# 1.0 PREAMBLE

This Abandonment and Restoration (A&R) Plan has been prepared to indicate to the Board the direction and procedures that Alyris Gold Corporation intends to implement to fulfill obligations with regard to abandonment and restoration at the Blue Caribou project. The objective of the plan is to comply with current government regulations to ensure once abandonment and restoration has been completed;

- that there is no danger to public health or safety;
- that the requirement for long term maintenance and monitoring associated with all of the mine facilities is minimized:
- that contaminant loadings to the environment from the closed facilities which may be related to continued leaching of contaminants from tailings/waste rock areas (ore stockpiles), development of acid rock drainage and abandoned areas of chemical/materials storage are minimized or prevented;
- that the cumulative degradation of abandoned areas affected by the mining activities are prevented and to enhance the natural recovery, where appropriate, of disturbed lands, and;
- that the affected areas will be returned to a condition that is compatible with the surrounding, original undisturbed area with respect to its future potential/productivity uses.

The Spill Contingency Plan is effective from April,15th, 2008 to December 1st, 2009 and applies to the Blue Caribou Project in the Kitikmeot District of Nunavut, north latitude 65° 15' and west longitude 106° 36'. Land Use permits with the Kitikmeot Inuit Association (KIA) and Nunavut Water Board (NWB) are currently on application.

The locations of the Blue Caribou drilling area is shown on the accompanying topo map at 1:50,000 (Figures 2,3 appended).

The following formal distribution has been made of this plan: NWB, A. Drost, Managing Director of Alyris and to KIA on approval.

# 2.0 INTRODUCTION

The Blue Caribou exploration project consists of a temporary exploration enacampment supporting one diamond drill rig that will test proposed exploration targets. The exploration camp will be located on Claim CL-12 (Figure 1 appended) subject to certain terms and conditions imposed by a Land Use permit issued by Kitikmeot Inuit Corporation (in prep.),

# 3.0 SCHEDULE

The seasonal shutdown of the exploration site should take 1-2 days to complete and will take place after the drilling activities have ceased. The plan will be applied by Alyris personnel under the supervision of the field supervisor.

# 4.0 SITE INFRASTRUCTURE

The encampment at Blue Caribou consists of ancillary support structures (2 tents) equipped with a portable composting or 'pacto" style toilet around a single diamond drill. Crew will lodge and board at the Goose Lake Camp location of Dundee Precious Metals located 20km to the NNE and will commute daily by helicopter. For this reason, abandonment and restoration and general cleanup is expected to be a relatively simple procedure.

Following is a list of the major components of the camp and ancillary facilities at the Blue Caribou drill site:

#### **Camp Equipment/Facilities**

Diamond drill and rods
Salt/drilling additives
Diesel Fuel
2 tents, stoves and ancillary equipment

# 5.0 FINAL ABANDONMENT AND RESTORATION PLANS

#### 5.1. BUILDINGS AND CONTENTS

Drill equipment will be remobilized to another site. Reusable equipment including tents, tent metal frames, foam rubber mats and other portable components will be packaged and flown out from project site through Goose Lake Camp to Yellowknife.

#### 5.2. WATER SYSTEM

Drill supply pump, tanks and hoses will be drained, dismantled, packaged and flown out to Yellowknife through Goose Lake Camp or remobilized to another site.

#### 5.3. ELECTRICAL SYSTEM

None

#### 5.4. FUEL AND CHEMICAL STORAGE FACILITIES

Fuel inventory will be managed so as to retain only a minimum quantity of fuel on site to permit closure activities to take place. On full abandonment of the site, remaining fuel will be removed from site. The fuel containers such as drums and day tanks will be scrapped and removed from site or removed from site and sold. Propane cylinders will be flown out as well to source.

Chemicals on site will consist of drill additives, oil, grease. All drill additives will be stored in a tent with floor. Upon termination of the drill program, any unused drilling additive, oil or grease will be returned to the drilling company warehouse. Half empty containers will be taken off site to be properly disposed in an approved discharge. Empty containers will be disposed with regular garbage.

## 5.5. Waste Facility and Incinerator

Once the camp is entirely dismantled, all remaining combustible waste stored at this site will be removed to Goose Lake Camp and burned under existing permits.

#### 5.6. GREYWATER SUMP

None

#### 5.7. BLACKWATER SUMP

Not applicable. The toilet will consist of a portable composting toilet or "pacto" unit with contents removed to Goose Lake on a regular basis for regular disposal/incineration.

#### 5.8. HELICOPTER PAD

The helicopter pad will consist of a wooden platform built of a 2x4 base with plywood cover. Soil around the helicopter pad will be inspected for contamination. The wood will be burned as per other wooden structures on site.

#### 5.9. CAMP SITE

Tent sites will be selected on rocky areas for minimal impact on the natural surroundings Drill core to be removed from site to Goose Lake on a daily basis.

#### 5.10. DRILLING AREA RESTORATION

The drill will be dismantled into its main components as per the drilling contractor procedure, packaged and secured along with its ancillary equipment and rods. The drill will be flown out to another project or to a storage site designated by the drilling contractor. All drill sites will be inspected for soil contamination. Any remaining waste will be taken to camp to be burned if possible or to be flown out to an approved municipal discharge. As much as possible, drill sites will be restored immediately after the drill has been moved to the next site and sumps have drained enough to be leveled. Drill casings may be left in the holes depending on the quality of mineralization intersected but will be capped to prevent water discharge.

#### 5.11. DOCUMENTATION AND INSPECTION

Photos of drill sites prior to drilling will be taken. Monitoring will be carried out during occupancy and photo records taken. Once the site is restored, it will again be documented with photos. Soil contaminated by hydrocarbons and unnoticed before abandonment will be treated as per the spill contingency plan. A final site inspection visit with community representatives, Land Use Inspector and in collaboration with NWB staff could be organized by the permit holder.

# 6.0 SEASONAL SHUTDOWN AND RESTORATION PLAN

#### 6.1. BUILDINGS AND CONTENT

Pending the results of the Phase 1 exploration diamond drilling program consisting of up to 3000m of drilling in 10-12 holes, all equipment will either be removed and stored at Goose Lake Camp, Dundee Precious Metals or secured on site to survive the winter.

#### 6.2. WATER SYSTEM

Drill pump, tanks and hoses will be drained and dismantled. Rented equipment will be flown out to owner. Hoses will be rolled and stored in the drill shack.

#### 6.3. ELECTRICAL SYSTEM

No external electrical system used.

#### 6.4. FUEL AND CHEMICAL STORAGE FACILITIES

An inventory of remaining fuel will be made and full drums will be inspected and secured for the winter. Empty drums will be flown out to source on a regular basis. Empty propane cylinders will be flown out to source. Chemical stored on site will consists of drill additives, oil, grease. All drill additives will be stored in or by the drill foreman supply tent and secured for the winter. Empty containers will be disposed with regular garbage. The soil of the areas will be inspected for contamination

#### 6.5. WASTE FACILITY AND INCINERATOR

None. All combustibles flown to Goose Lake for incineration.

#### 6.6. GREYWATER SUMP

None

#### 6.7. BLACKWATER SUMP

Not applicable. The toilet will consist of a portable composting toilet or "pacto" unit with contents removed to Goose Lake on a regular basis for regular disposal/incineration.

## 6.8. HELICOPTER PAD

The helicopter pad will consist of a wooden platform built of a 2x4 base with plywood cover. Soil around the helicopter pad will be inspected for contamination.

#### 6.9. CAMP SITE

Tent sites will be selected on rocky areas for minimal impact on the natural surroundings Drill core to be removed from site to Goose Lake on a daily basis.

#### 6.10. Drilling Area Restoration

The drill will be dismantled into its main components as per the drilling contractor procedure, packaged and secured along with its ancillary equipment and rods. The drill will be flown out to another project or to a storage site designated by the drilling contractor. All drill sites will be inspected for soil contamination. Any remaining waste will be taken to camp to be burned if possible or to be flown out to an approved municipal discharge. As much as possible, drill sites will be restored immediately after the drill has been moved to the next site and sumps have drained enough to be leveled. Drill casings may be left in the holes depending on the quality of mineralization intersected but will be capped to prevent water discharge.

#### 6.11. DOCUMENTATION

Equipment and buildings left on site will be inventoried. Photos of camp and drill sites prior to drilling will be taken. Monitoring will be done during occupancy and photos taken. Once the site secured for the winter, it will again be documented with photos.