

**Roberts Bay/Ida Bay, Nunavut  
Abandonment & Restoration  
(Prepared by the Contractor – Quantum Murray LP)**

### **Scope of Work**

The Roberts Bay/Ida Bay site remediation project involves:

- Construction, operation and closure of non-hazardous waste landfill at Roberts Bay
- Demolition of identified structures and disposal of non-hazardous waste in the Roberts Bay landfill
- Collection of identified scattered debris and disposal of non-hazardous waste in the Roberts Bay landfill
- Collection, packaging, transport and offsite disposal of identified hazardous waste and contaminated soil
- Collapsing, backfilling and regrading of identified mine adits at Roberts Bay and Ida Bay
- Backfilling and regrading of identified a mine vent raise at Ida Bay
- Backfilling and regrading of identified exploration trenches at Ida Bay

### **Restricted Areas**

In advance of any work, all site historical structures will be identified and marked. These areas will remain off limits to all equipment and personnel.

### **Backfilled and Regraded Areas**

All debris will be removed from designated areas prior to closure work. Excavated and backfilled/regraded areas will be crowned and compacted to prevent accumulation of surface water. The areas will then be reshaped to match existing contours.

### **Landfill Closure**

Identified non-hazardous waste materials will be placed and compacted in the onsite landfill. Intermediate granular fill will be placed and compacted to cover void spaces. A granular fill cap will be placed over the landfill, as per the design specifications. The surrounding area will be reshaped, to match existing terrain, and to promote water diversion from the landfill.

## **Camp Closure**

Upon completion of work all camp facilities (including lines, pumps, tanks, etc.) and support equipment will be shut down, disassembled and shipped offsite. Sumps and depressions will be backfilled and regraded, as previously described. The camp lay down area will be regraded to prevent accumulation of surface water and reshaped to match existing contours. Residual fuels and untreated sewage will be packaged and shipped offsite for disposal.

## **Access Route Closure**

All routes developed to facilitate access to work areas will be regraded to prevent accumulation of surface water and reshaped to match existing contours. All temporary culverts installed will be removed upon project completion.

## **Borrow Source Closure**

Waste rock piles and/or borrow material available onsite will be utilized for:

- Landfill construction/closure
- Regrading mine adits, vent raise and exploration trenches

Upon completion of work, all extraction areas (including stockpiles) will be regraded, to prevent accumulation of surface water, and reshaped to match existing contours.

## **Demobilization**

Prior to demobilization, a final inspection will be conducted to ensure all work is complete and that the site is left in a tidy condition.

Hazardous waste and contaminated soil will be packaged in TDG approved containers for offsite disposal. All containers will be marked, in accordance with the TDG Regulations, and manifests will be prepared prior to loading onto the barges.

The Ida Bay barge landing area will be used for project demobilization. Potential need for additional protective measures (i.e. floating silt curtain) will be determined and installed prior to loading activities. Mobile equipment will be “walked” on to the barge using steel ramps. Other equipment will be moved using heavy duty forklift. Spill kits will be available in case of incident and barge support watercraft will be available if required.