



Cape Christian Cleanup **Abandonment and Restoration Plan**

*QESin 2007P6
September 2009*

1.0 Introduction

This plan was developed to present restoration procedures to be implemented at Cape Christian upon abandonment, as requested in Part II, Item F of the Water License (1BR-LOR0813) issued by the Nunavut Water Board.

2.0 Abandonment and Restoration Procedures

- *Sewage Lagoon* - Pumped out remaining sewage according to standard discharge procedures. Push berms over the remaining solids (sludge). Track-pack final cover. Reshape to natural contour and grade to promote positive drainage.
- *Non-hazardous waste landfill* - Construct final cover to the specified thicknesses and grades as indicated on the Drawings.
- *Bio-treatment Area* - Sample soil underneath the Bio-treatment Area to confirm that no contamination has occurred. Sample the contact water in the perimeter collection system and dispose of in accordance with the Waste Water Discharge Criteria stipulated in the Water License. Grade area to promote positive drainage.
- *Buried Debris Excavations* - Replace excavated stockpiles classified as clean back into the excavation. Provide additional borrow fill to completely backfill the buried debris excavations to original grade to prevent ponding and blend into the surrounding terrain.
- *Contaminated Soil Excavations* - Place and compact Type 3 Granular Fill to replace the excavated contaminated soil to original grade, as indicated. Grade backfilled excavations to prevent ponding and blend in with the surrounding terrain, as directed by Engineer. Remove the erosion, sediment and drainage controls, as directed by Engineer. Dispose of all non-granular erosion, sediment and drainage control materials off-site.
- *Structure Demolition* - Upon completion of demolition work, remove debris and leave work sites clean to a condition satisfactory to Engineer. Reshape the area surrounding concrete and timber foundations to remain such that the top of the grade is flush with the top of the foundation. Fill any voids or holes in the surface of the concrete with Type 3 Granular Fill. Reshape or backfill with Type 3 Granular Fill, areas excavated to facilitate demolition. Place Type 3 Granular Fill in holes from which timber piles were removed.

- Date Modified: 24-08-2009*