

**Baffinland Iron Mines Corporation  
Mary River Project**

**Type A Water Licence Application**

**Attachment 10: Document Summary-Preliminary Mine Closure and  
Reclamation Plan**



Document Number	Date:	Reviewed By:
H337697-0000-07-248-0006	February 2012	J. Binns



## **1. Introduction**

### **1.1 Description and Overview**

The Mary River Project is located on north Baffin Island, in the Nunavut Territory, in the Canadian arctic. One aspect of the project that is required is obtaining a Nunavut Water Board (NWB) Type A Water Licence to operate. In order to do this, a Water License application needs to be completed and submitted to the Board so that they can exercise their powers under the *Nunavut Waters Nunavut Surface Rights Tribunal Act* (NWSRTA or Act) and the *Northwest Territories Water Regulations* (NTWR or Regulations). As part of the application process there are certain engineering deliverables that need to be submitted. This document gives an outline of the required Abandonment and Reclamation documents.

### **1.2 Scope**

The scope of this element of the project includes all works and/or undertakings required for the Mine Closure Phase of the project. Documents included are:

- Preliminary Mine Closure and Reclamation Plan

## 2. Document List

**Table 2-1: Document List**

Document Title	Document Number	Description/Key Findings
<b>Preliminary Mine Closure and Reclamation Plan</b>	<b>H337697-0000-07-126-0014</b>	<ul style="list-style-type: none"> <li>This document describes the different mine closure scenarios and their associated implementation, maintenance and reclamation measures. The progressive rehabilitation of the Project is also discussed. Short-term and long-term temporary closure scenarios are described and assess the security measures of the different Mine Sites (open pit, stockpiles) and facilities (waste management sites, chemicals, etc). Site inspection programs and schedules are also included. Final mine closure and reclamation measures are thoroughly described, along with the post-closure monitoring activities and the expected site conditions following final closure. Reclamation costs for final closure are addressed and all assumptions relative to the costs calculation are located in Annex B.</li> <li>Drawings include: <ul style="list-style-type: none"> <li>Project Location Map;</li> <li>H337697-7000-07-012-0001 Preliminary Mine Closure and Reclamation Plan - Milne Inlet;</li> <li>H337697-0000-07-126-0014 Preliminary Mine Closure and Reclamation Plan - Tote Road from Milne Inlet to Mine Site Final Closure Phase;</li> <li>H337697-4210-07-012-0001 Preliminary Mine Closure and Reclamation Plan – Mine Site Construction Phase;</li> <li>H337697-2000-07-012-0001 Preliminary Mine Closure and Reclamation Plan - Mine Site Final Closure Phase;</li> <li>H337697-2000-07-012-0001 Preliminary Mine Closure and Reclamation Plan – Railway Alignment;</li> <li>H337697-7000-07-012-0002 Preliminary Mine Closure and Reclamation Plan - Ravn River Rail Camp;</li> <li>H337697-7000-07-012-0003 Preliminary Mine Closure and Reclamation Plan - Mid Rail Rail Camp;</li> </ul> </li> </ul>

		<ul style="list-style-type: none"><li>♦ H337697-7000-07-012-0004 Preliminary Mine Closure and Reclamation Plan - South Cockburn Lake Rail Camp;</li><li>♦ H337697-4510-07-012-0001 Preliminary Mine Closure and Reclamation Plan - Steensby Port Construction Phase; and</li><li>♦ H337697-4510-07-012-0002 Preliminary Mine Closure and Reclamation Plan - Steensby Port Final Closure Phase.</li></ul>
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