

February, 2012

**Baffinland Iron Mines Corporation****Mary River Project - Mary River Mine Site Drawings****1. Introduction****1.1 Description and Overview**

The Mary River Project is located on north Baffin Island, in 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 licence 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* (NWNSTRA 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 engineering deliverable documents that fall under the heading Mary River - Mine Site.

**1.2 Scope**

The scope of this element of the Project includes all works and/or undertakings required for the construction, operation, modification, maintenance, and engineering of the facilities at the Mary River Mine site. The facilities found on the Mine Site include a sewage treatment plant, waste treatment plant and the oily water treatment plant. In terms of drainage which are illustrated in drawings include the ore stockpile and waste rock stockpile. Fuel and dust management facilities are also found on site. The drawings which form part of the section principally include:

TOPIC	REPORT TITLE	DOCUMENT NUMBER
Layout	Mine Site Plan 2012 Work Plan Site Layout (Reference only)	H337697-7000-10-014-1102
Layout	Mary River Mine Site Construction Works Site Layout	H337697-7000-10-014-1002
Layout	Mine Site Environmental Monitoring Site Layout	H337697-4610-07-042-0002
Flow Diagram	Mine Site - Mary River Project Block Flow Diagram Water Supply Balance 1 of 2	H337697-4210-10-002-0001
Flow Diagram	Mine Site - Mary River Project Block Flow Diagram Water Supply Balance 2 of 2	H337697-4210-10-002-0001

TOPIC	REPORT TITLE	DOCUMENT NUMBER
Sewage Water	PROCESS FLOW DIAGRAM - MARY RIVER (MINE SITE) - SEWAGE TREATMENT PLANT - EXTERNAL MBR BASED SYSTEM	H337697-4330-05-030-0001
Sewage Water	Design Flow Rate 396 M3/Day Mary River STP (STP2) P & ID	E337697-PM402-50-031-0010
Sewage Water	396 m3/Day Mary River (STP2)RBC System General Layout	E337697-PM402-50-042-0011
Sewage Water	396 m3/day Mary River (STP2) EQ Tank General Layout	E337697-PM402-50-042-0009
Sewage Water	396 m3/Day Mary River (STP2) Treated Effluent Tank General Layout	E337697-PM402-50-042-0010
Sewage Water	Design Flow Rate 396 m3/Day Mary River STP (STP2) Filter System General Arrangement	E337697-PM402-50-042-0008
Sewage Water	Sewage Water Treatment Plant Mary River (STP2) Belt Filter Press YC-100	E337697-PM402-50-042-0007
Potable Water	PROCESS FLOW DIAGRAM - MARY RIVER (MINE SITE) - POTABLE WATER SYSTEM	H337697-4310-05-030-0001
Potable Water	Water Treatment Package Media-Filtration System P&I Drawings - PWTP2 Mary River (Mine Site) - 330 m3/day	E337697-PM401-50-031-0010_SUB02
Potable Water	Mary River (Mine Site) Design Flow Rate 330 M3/Day Media-Filtration System General Arrangement	E337697-PM401-50-042-0010_SUB03
Potable Water	Baffinland Trucking Feasibility Study Fresh Water System Conceptual Lake Water Intake	E337697-0000-07-042-0001
Waste Water	Mine Site Permanent Works - Water Supply and Wastewater Disposal- GA Plan	H337697-4310-10-042-0001
Waste Water	Mine Site Construction Works - Water Supply and Wastewater Disposal - GA Plan	H337697-7000-10-042-0002
Waste Water	Mary River (Mine Site) Waste Water PFD	H337697-4230-05-030-0001
Waste Water	Mary River (Mine Site) Sheet 1	E337697-PM403-50-014-0001
Waste Water	Mary River (Mine Site) Sheet 2	E337697-PM403-50-014-0002
Waste Water	Mary River (Mine Site) Sheet 3	E337697-PM403-50-014-0003
Waste Water	Mary River (Mine Site) Sheet 4	E337697-PM403-50-014-0004
Waste Water	Mary River (Mine Site) Sheet 5	E337697-PM403-50-014-0005
Waste Water	Mary River (Mine Site) Sheet 6	E337697-PM403-50-014-0006
Waste Water	Mary River (Mine Site) Sheet 7	E337697-PM403-50-014-0007
Waste Water	Mary River (Mine Site) Sheet 8	E337697-PM403-50-014-0008
Waste Water	Mary River (Mine Site) Sheet 9	E337697-PM403-50-014-0009
Waste Water	Mary River - Process & Instrumentation Drawing Sheet 1	E337697-PM403-50-031-0001

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Waste Water	Mary River - Process & Instrumentation Drawing Sheet 2	E337697-PM403-50-031-0002
Waste Water	Mary River - Process & Instrumentation Drawing Sheet 3	E337697-PM403-50-031-0003
Drainage	Mine Site Proposed Drainage Works Site Layout	H337697-4210-10-014-0009
Drainage	Mine Site Proposed Drainage Works Sketch	H337697-4210-10-015-0002
Drainage	Mine Site Airstrip Stormwater Control Plan	H337697-4290-10-015-0001
Drainage	Mary River Waste Rock Stockpile Drainage Plan General Arrangement	H337697-4210-10-014-0003
Drainage	Mary River Waste Rock Stockpile Drainage Profiles (1 of 2)	H337697-4210-10-012-0002-001
Drainage	Mary River Waste Rock Stockpile Drainage Profiles (2 of 2)	H337697-4210-10-012-0002-002
Drainage	Mary River Waste Rock Stockpile Drainage Ditch Sections	H337697-4210-10-012-0001
Drainage	Mary River Pond NO. 1 Drainage Plan, Profile, and Sections	H337697-4210-10-042-0001
Drainage	Mary River Pond NO. 2 Drainage Plan, Profile, and Sections	H337697-4210-10-042-0002
Drainage	Mary River Pond NO. 3 General Arrangement Plan	H337697-4210-10-042-0003
Drainage	Mary River Pond NO.3 Typical Cross Sections	H337697-4210-10-012-0005
Fuel	Fuel Storage and Distribution Flow Schematic	H337697-0000-60-013-0001
Fuel	Mine Site Fuel Offload, Storage and Distribution Process Flow Diagram	H337697-4470-60-030-0001
Fuel	Mine Site Fuel Offload, Storage and Distribution Process Flow Diagram 2 of 2	H337697-4470-60-030-0002
Fuel	Mine Site Fuel System Site Location Plan	H337697-4470-10-017-0001
Fuel	Mine Site Fuel System Rail Offload Tank Farm	H337697-4470-10-014-0001
Fuel	Mine Site Rail Offload Tank Farm Dyke Sections	H337697-4470-10-035-0001
Fuel	Mine Site Rail Offload Tank Farm Sections and Details	H337697-4470-10-035-0002
Fuel	Mine Site Rail Offload Tank Farm Electrical General Arrangement	H337697-4470-70-042-0001
Fuel	Mine Site Rail Offload Tank Farm Electrical Grounding Plan	H337697-4470-70-042-0002
Fuel	Mine Site Mine Services Tank Farm Dyke Sections	H337697-4470-10-035-0004
Fuel	Mine Site Mine Services Tank Farm Sections and Details	H337697-4470-10-035-0006

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Fuel	Mine Site Mine Services Tank Farm Electrical General Arrangement	H337697-4470-70-042-0003
Fuel	Mine Site Mine Services Tank Farm Electrical Grounding Plan	H337697-4470-70-042-0004
Waste	Mine Site - Mary River Project Block Flow Diagram for Construction/Operation Solid Waste	H337697-4210-07-002-0001
Waste	Mine Site Environmental Waste Management Facilities	H337697-4350-10-042-0001
Waste	Mine Site Environmental Waste Management Building Layout	E337697-PM406-50-014-0002
Waste	Mine Site Incinerator General Arrangement Plan and Elevations ECO 2TN1P	E337697-PM406-50-042-0003
Waste	Mine Site Incinerator General Arrangement Sections ECO 2TN-1P	E337697-PM406-50-042-0004
Waste	Mine Site Incinerator General Arrangement Plan & Elevations ECO 1.0TN1P Incinerator	E337697-PM406-50-042-0008 SUB01
Waste	Mine Site Incinerator General Arrangement Sections ECO 1.0TN1P Incinerator	E337697-PM406-50-042-0007
Waste	Mine Site Landfill and Landfarm Site Layout	H337697-4350-10-014-0001
Waste	Mine Site Landfill Access Road and Containment	H337697-4210-10-042-0004
Waste	Hydrocarbon Impacted Soils Storage and Landfarm Facility - General Arrangement of Typical Landfarm	E337697-0000-10-042-0001