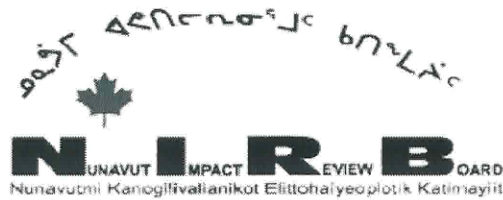


APPENDIX A
NIRB SCREENING FORMS

- A1 PART 1 FORM (ENGLISH)**
- A2 PART 1 FORM (INUKTITUT)**
- A3 NON-TECHNICAL PROJECT SUMMARY (ENGLISH)**
- A4 NON-TECHNICAL PROJECT SUMMARY (INUKTITUT)**

APPENDIX A1
PART 1 FORM (ENGLISH)

- Project Proposal Information Requirements 6 pages



PART 1 FORM PROJECT PROPOSAL INFORMATION REQUIREMENTS

For more information about the Nunavut Impact Review Board (NIRB) please visit our web site <http://nirb.nunavut.ca/> or to access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board ftp site <http://ftp.nunavut.ca/nirb>.

IMPORTANT

Please be advised that your application will not be processed until the following sections 1 - 6 are completed in full in English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot).

SECTION 1: APPLICANT INFORMATION

1. a) Project Number

Please indicate if applicant has submitted any previous application(s) to NIRB related to this project proposal? Yes _____ No ☒ X
If yes, please indicate the previous NIRB project number(s): _____

1. b) Project Name Mary River Project

2. Applicant's full name and mailing address:

Baffinland Iron Mines Corporation
Suite 1016
120 Adelaide Street West
Toronto, Ontario M5H 1T1

Fax: (416) 364-8820

Phone: (416) 364-0193

Email: Rod.cooper@baffinland.com

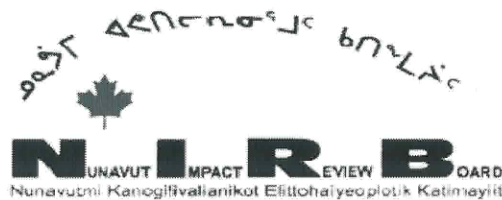
3. Primary contact's full name and mailing address:

Rod Cooper, P.Eng.
Vice-President, Operations

Fax: (416) 364-8820

Phone: (416) 364-0193

Email: Rod.cooper@baffinland.com



4. Secondary contact's full name and mailing address:

	Fax: (416) 364-8820
Michael Zurowski, P.Eng.	Phone: (416) 364-0193
Executive Vice-President	Email: Michael.zurowski@baffinland.com

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

- | | |
|-------------------------------------|--|
| ☒ | Regional Inuit Association (RIA) |
| ☒ | Nunavut Water Board (NWB) |
| ☒ | Nunavut Planning Commission (NPC) |
| ☒ | Department of Indian And Northern Development (DIAND) |
| ☒ | Department of Fisheries and Oceans (DFO) |
| ☐ | Community Government & Services (CG&S) |
| ☐ | Nunavut Research Institute (NRI) |
| ☐ | Hamlet |
| ☐ | Canadian Launch Safety (CLS) |
| ☐ | Environment Canada (EC) |
| ☐ | Government of Nunavut (GN) |
| ☐ | Department of National Defense (DND) |
| ☒ | Department of Culture, Language, Elders, and Youths (CLEY) |
| ☐ | Parks Canada (PC) |
| ☐ | Other (please specify): |

2. List the active permits, licenses, or other rights related to the project and their expiry date: Federal Mineral Leases 2483, 2484, and 2485

Authorizing Agency	Approval	Permit/License #	Expiry Date
Nunavut Water Board	Type B Water License	NWB2MRY0406	December 31, 2006
Qikiqtani Inuit Association	Inuit Land Use License	Q05L2C14	December 31, 2006
Indian and Northern Affairs	Land Use Permit	N2004C0017	June 28, 2007



4. Timing

Period of operation: March 1, 2007 to October 31, 2008
 Proposed term of permit: March 1, 2007 to December 31, 2008

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase. Please see attached Environmental Screening Report by Knight Piesold.

5. Region (check all that apply):

☒ Baffin ☐ Kivalliq ☐ Kitikmeot ☐ Transboundary: _____

6. Land Status (check all that apply):

☒ Crown ☐ Commissioners' ☒ Inuit Owned Surface lands ☒ Inuit Owned Sub-Surface Lands

7. Co-ordinates:

Min Lat (degree/minute)	<u>71° 19'</u>	Min Long (degree/minute)	<u>78° 59'</u>
Max Lat (degree/minute)	<u>71° 55'</u>	Max Long (degree/minute)	<u>81° 00'</u>

NTS Map Sheet No: 37G, 47H

Please ensure that maps of the project are attached (1:50,000 **if available**, 1:250,000 **Mandatory**) available from Natural Resources Canada

If the project proposal includes a **camp**, please provide the coordinates of the camp location

Mary River camp	Lat. <u>71° 19' 27 "</u>	Long. <u>79° 22' 44.6 "</u>
Milne Inlet camp	Lat. <u>71° 53' 0.7 "</u>	Long. <u>80° 54' 18 "</u>
Midway camp	Lat. <u>71° 28' 26 "</u>	Long. <u>80° 13' 28 "</u>

If different from above for the camp:

NTS Map Sheet No: _____

Please ensure that maps of the camp are attached (1:50,000 **if available**, 1:250,000 **Mandatory**) available from Natural Resources Canada

8. Non-Technical Project Proposal Summary

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

Please see attached Environmental Screening Report by Knight Piesold.

SECTION 4: MATERIAL USE

1. List equipment (including drills, pumps, aircrafts, etc.):

Equipment type and number	Size – dimensions	Proposed use
• 5 Helicopters	Bell B2 A-star or Bell Long Rangers	Move drills, field surveys
• 2 1-t flatbed trucks	¾ tonne	Move personnel and equipment
• 11 40-t highway trucks	40 tonne	Airstrip and road repairs; haul ore from Mary River to Milne Inlet
• 3 50-t haul trucks	50 tonne	Haul ore from mining area to crusher
• 1 Articulated forklift		Unload aircraft
• 1 Blasting truck		Bulk sampling
• 1 Boom truck and trailer		Unload aircraft
• 9 pick-up trucks	¾ tonne	Move personnel
• 5 Dozers	D-4 to D-8	Assist drilling, airstrip and road repairs
• 1 Dump truck with plow	Tri-axle	Road maintenance
• 3 Excavators		Assist drilling, airstrip and road repairs
• 3 Front-end loaders		Bulk sampling
• 1 Fuel truck		Equipment maintenance
• 1 Grader		Road maintenance
• 14 ATVs		Move personnel
• 7 Rock drills	Longyear 38/70	Exploration and geotechnical drilling
• 10 Water pumps	10 GPM	Supply water to drills and camps

2. Detail fuel and hazardous material use:

Fuels	Number of Containers	Capacity of containers (gal & litre)
• Diesel	(10,650,000 L)	33,000 gal/125,000 L
• Gasoline	20-30	200 L
• Aviation fuel	150	200 L
• Jet-A	(640,000 L)	33,000 gal/125,000 L
• Propane	50	100 lbs.
Hazardous material (please specify)		
• Drilling additives	Unknown	200 L
• Lubes and oils	100	200 L
• Calcium chloride (solid flakes)	(1,500 t)	
• Pre-packaged emulsion explosives	16	15 t

SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

1. List the types of waste:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage and greywater	50 m ³ /d at Mary River 7.5 m ³ /d at Milne Inlet	Packaged sewage plants	Incineration



Domestic waste	1000 m ³ bulky waste (est.)	Landfilling	None
Overburden (organic soil, waste material, tailings)	None	Not applicable	Not applicable
Hazardous waste	None	Not applicable	Not applicable
Other:			

Note: Sewage and greywater from Midway camp will be incinerated.

SECTION 6: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

Community	Name	Organization	Date Contacted	Telephone No.	Fax No.
Pond Inlet	David Qamaniq, Malliki Arreak, Colin Sanders, Hamlet Councillors	Hamlet of Pond Inlet	Periodically every 2-3 months since 2004; annual site visits to Mary River. The last site visit was on Sept 7, 2006.	(867) 899-8934	(867) 899-8940
Pond Inlet		Community Meeting	April 22, 2006		
Pond Inlet		Community Meeting	Sept 6, 2006		
Pond Inlet	Ishmael Katsak Jacob Peterloosie Joanasie Atadjuat Elisapee Ootoova Geesoonie Killiktee Ena Mucktar Solomon Koonoo	Pisiksik Working Group	Various meetings between February and September 2006; site visit to Mary River on Sept 8, 2006.		
Pond Inlet	Board of Directors	Mittimatilik HTO (Pond Inlet)	Dec 14, 2005 April 7-8, 2006	(867) 899-8856	(867) 899-8095
Igloolik	Paul Quassa (Mayor) and Hamlet Councillors	Municipality of Igloolik	July 24, 2006	(867) 934-8830	(867) 934-8757
Arctic Bay	Bill Harding	Hamlet of Arctic Bay	July 12, 2006	(867) 439-9917	(867) 439-8767

Applicant:

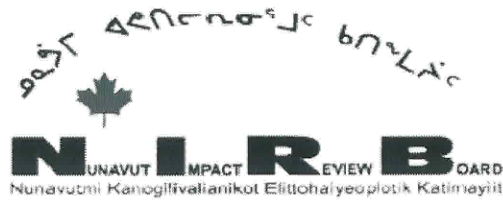
Signature

Title

Date

APPENDIX A2
PART 1 FORM (INUKTITUT)

- Project Proposal Information Requirements 6 pages



4. ᐃᐃᓪᓪ ᐃᓄᓐᓂ ᐃᓐᓂ ᐅᓄᓐᓂ:

	Fax:	(416) 364-8820
LAd ᐃᓄᓐᓂ, P. Eng	Phone:	(416) 364-0193
ᐃᓐᓂᐅᓄᓐᓂ ᐃᓐᓂᐅᓄᓐᓂ ᐅᓄᓐᓂ	Email:	Michael.zurowski@baffinland.com

ᐃᓐᓂ 2: ᐅᐃᓐᓂᐅᓄᓐᓂ ᐃᓐᓂᐅᓄᓐᓂ

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A2-5

APPENDIX A3
NON-TECHNICAL PROJECT SUMMARY (ENGLISH)

- Summary 2 pages

Non-Technical Project Summary
Mary River Project Bulk Sampling Program

Baffinland Iron Mines Corporation (Baffinland) has prepared a project description and permit applications for a proposed bulk sampling program at the Mary River Project. Mary River is an advanced iron ore exploration project located in the North Baffin region about 160 km south of Pond Inlet, at approximately Latitude 71°20' north and Longitude 79°14' west.

Baffinland's contact details are as follows:

Baffinland Iron Mines Corporation
Suite 1016, 120 Adelaide Street West
Toronto, Ontario M5H 1T1
Tel: (416) 364-8820
Fax: (416) 364-0193
Contact: Rodney (Rod) Cooper, P.Eng.
Vice President, Operations

Baffinland has been conducting exploration drilling and has operated a tent camp and related facilities at Mary River since 2004. Baffinland plans to continue its exploration drilling activities in 2007 and 2008 and recently submitted applications to renew the following, existing environmental permits:

Type of Authorization	Permit No.	Authorizing Agency	Governing Activity	Dates Valid
Water License (Type B)	NWB2MRY0406	Nunavut Water Board	Water use and waste disposal	Mar 10, 2004 to Dec 31, 2006
Inuit Land Use License	Q05L2C14	Qikiqtani Inuit Association	exploration activities on Inuit Owned Lands	June 17, 2005 to Dec 31, 2006
Land Use Permit	N2004C0017	Department of Indian and Northern Affairs Canada	exploration activities on Crown Land	June 29, 2004 to June 28, 2006

In addition to the exploration drilling, a bulk sampling program is proposed over approximately 20 months, between March 2007 and October 2008. As with the evolution of any exploration project, it is necessary to confirm the consistency, the quality and the grade (iron content) of the ore, and often this is achieved through the collection of an ore sample that is significantly larger than samples provided from conventional drilling. These samples are termed "bulk samples". The bulk sampling program will require extraction of about 250,000 tonnes (dry) of iron ore from two small open pits in Deposit #1. This sample represents less than 0.1% of the total resource estimated for Deposit No. 1 of 337 million tonnes. This estimate may be reviewed in a NI 43-101 technical report, dated May 2006, that was prepared by independent consultants, and is available at www.sedar.com.

The testing of the iron ore sample in blast furnaces located at several European steel mills has the following objectives:

- To carry out metallurgical testing on an ore sample that is large enough to establish key metallurgical parameters, primarily iron content, moisture content, handling characteristics and levels of impurities;
- To study environmental characteristics of the ore, primarily the generation of gases, and the effect on slag production in various blast furnace processes, as well as the effect on the energy balance in the blast furnace processes;

- Provide five blast furnace operators with sufficient material for approximately one month of production-scale testing in order to observe any variability in the behavior of the ore in several blast furnaces;

Initially, weathered rock on the top of the mountain will be drilled, blasted and removed to a storage location adjacent to the two small ore pits. Ore will be extracted by blasting with pre-packaged explosives and will be excavated from the pits and crushed. The crushed ore will then be transported by truck over the existing tote road to Milne Inlet where it will be stockpiled. Ore will be loaded on barges and delivered to ore-carrying ships in Milne Inlet. The ships will load themselves from the barges using standard grabs. The ships will then deliver the cargo to ports in Europe.

This bulk sampling program will involve the following work:

- Upgrade of the existing Milne Inlet tote road to allow all-weather use, including the quarrying and placement of fill on the road bed and the replacement/installation of a large number of culverts at watercourses; Barrels and debris left from historical activities in the 1960's will be removed to a landfill site near Mary River camp;
- Construction of a 100-person all-weather tent camp at Mary River, next to Baffinland's existing seasonal exploration camp;
- Establishment of temporary trailer camps at Milne Inlet and part-way along the Milne Inlet tote road;
- Establishment of temporary fuel storage facilities at Milne Inlet, the roadside (part-way) camp and at Mary River;
- The delivery of contractor mining and crushing equipment, camp materials and fuel in 2 or 3 ship voyages to Milne Inlet in August 2007, in accordance with standard northeast arctic sealift procedures, using standard sealift ships based in the vicinity of Montreal;
- The drilling, blasting and storing of 169,300 tonnes (dry) of weathered surface rock on the top of Deposit No. 1 at Mary River over one or two months in late 2007;
- The drilling, blasting, hauling and crushing of 250,000 tonnes (dry) of iron ore bulk sample from Deposit No. 1 at Mary River over three-to-five months, in late 2007 and early 2008;
- The temporary stockpiling of the iron ore sample at Milne Inlet in the first half of 2007;
- Barrels and debris left from historical activities in the 1960's will be removed from Milne Inlet to a landfill site near Mary River camp;
- The loading of iron ore at Milne Inlet on 3 ships that will make a total of five voyages in August-September 2008 (two ships each make two voyages, one ship makes one voyage).

In order to carry out the proposed bulk sampling program, a number of permits and licenses are required from various government agencies. In addition, the project proposal will pass through an environmental screening process by the Nunavut Impact Review Board.

Training opportunities for existing and potential Baffinland employees, especially those who reside in communities near Mary River, is an important aspect of the proposed program. Training will take the form of community-based classroom activities, on-site practical training, and job-shadowing. This training will develop skills necessary for new employees to participate in construction and operational activities, should the Mary River project advance to these stages in the future.

APPENDIX A4
NON-TECHNICAL PROJECT SUMMARY (INUKTITUT)

- Summary 2 pages

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