

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 Sections 1 - 9 are completed in their entirety, in both English and Inuktitut (+ Inuinnagtun, if in the Kitikmeot).

SECTION 1: APPLICA	NT INFORMA	TION
Project Name Mary River Project	MAT HAT OKNIA	ATION
2. Applicant's full name and mailing address: Baffinland Iron Mines Corporation Suite 1016. 120 Adelaide Street West Toronto, Ontario M5H 1T1	Phone: _ Fax: _ Email: _	(416) 814-3171 (416) 364-0193 derek.chubb@baffinland.com
Derek Chubb Vice-President, Sustainable Development	Phone: Phone: Fax: Email:	
SECTION 2: AUTHOR	RIZATION NEE	DED
Regional Inuit Association (RIA) Nunavut Water Board (NWB) Nunavut Planning Commission (NPC) Indian and Northern Affairs Canada (INAC) Department of Fisheries and Oceans (DFO) Community Government & Services (CG&S) Nunavut Research Institute (NRI) Department of Culture, Language, Elders, and Youth (CLEY)	Canade Environ Governo Depart Hamle Parks Canade X Other Canade appro Natura	dian Launch Safety (CLS) conment Canada (EC) rement of Nunavut (GN) rement of National Defense (DND) et Canada (PC) dian Wildlife Service (CWS) (please specify): dian Transportation Agency (S.98
List the active permits, licenses, or other auth and their expiry date(s): Refer to Sections 1.2 and 1.3 of the Development		ed to the project proposal,



nits, licens	ses, or othe	er au	uthoriz	zations related to the project propo	sal:
the Develo	pment Prop	osa	al		
/ compone	ents of this	pro	<u>ject</u> b	een previously screened or reviewe	ed by
YES				□ NO	
evious pro	ject name a	and	NIRB	File No.	
ng Program	hnical Drillir I g Permits fo		illing		
ION 2. D					
ION 3: P	ROJECT	PR	OPO	SAL DESCRIPTION	
oject propo	ROJECT osal (check e Definition	c all			
oject propo	osal (check e Definition	c all			
oject propo roject Typo	osal (check e Definition	c all ns)	that a	pply) ^(1,2) :	
oject proporoject Typo	osal (check e Definition	c all ns)	that a	pply) ^(1,2) : Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities	
oject proporoject Typo	osal (check e Definition	c all ns) X	9 10	pply) ^(1,2) : Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities	
oject proporoject Type ccess Trail	osal (check e Definition	x all ns) X X	9 10	pply) ^(1,2) : Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year	
oject proportoject Typo ccess Trail r Trail	osal (checke Definition	x all ns) X X	9 10 11	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year Research*	
oject proportoject Typo ccess Trail r Trail	osal (checke Definition	x all ns)	9 10 11 12	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year Research* Harvesting Activities*	
oject proportoject Type ccess Trail r Trail exploration	osal (checke Definition	X X X X X	9 10 11 12 13	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year Research* Harvesting Activities* Tourism Activities*	

- 1. All project types listed above, except those marked with an asterisk (*), will also require the Proponent to submit a **Part 2 Project Specific Information Requirement (PSIR) Form**. The NIRB application process will not be considered complete without the Part 2 PSIR Form.
- 2. Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
- 3. If "Other" is selected, contact NIRB for direction on whether a Part 2 PSIR Form is required.



2. If Project Type 3, 4 or 5 being extracted. Include			cate th	e mineral of inter	est that is
Base Metals (zinc, copper	gold, silver, etc.				
Diamonds	g,,				
Uranium					
X Other: Iron ore					
3a. If Project Type 13, 14 o	r 15 was sele	cted above, complet	e the t	able and questio	ns below.
Transportation Type	Quantity		osed L		Length of Use
E.g. Helicopter	1	Site to site pici	k ups a	nd drop offs	6 days
Marine shipping		Re-supply and ore s		nt	28 Years
Fixed-wing		Movement of person	nel		28 Years
Helicopter		Movement of person	nel an	d drills	4+ Years
Refer to Section 3 of the Dev		_			1 Part 2 Form.
3c. If a temporary camp site the type and source of po				d structures in det	ail and indicate
Refer to Sections 2, 3 and 4	of the Develo	oment Proposal for ge	neral o	construction	
4. Personnel - Refer to Se Total No. of personnel on site = (A)	oction 5 of the Total N days o = (B)	No. of	al	Total No. c (A) × (B) =	of Person days
5. Timing – Refer to Section	n 5 of the Dev	velopment Proposal			
		2009 (staging)	to	End of 2043	
Proposed term of authorization: from		2009 (staging)	to	End of 2043	
	apply): Refer ivalliq ational Park	to Section 1.0 of the D	Develor	oment Proposal Transboundary:	:
6b. Describe the location of the nearest communities			egiona	I context, noting th	ne proximity to
Refer to Section 1.0 of the D	evelopment P	roposal			
6c. Discuss the history of the			ject ac	tivities in the past.	
Refer to Section 1.1 of the D	evelopment P	roposal			



Refer to Section 6.0 of the	ne Development Proposal	
7. Land Status (check all	that applies): Refer to Sect	ion 1.2 of the Development Proposal
X Crown X Inuit Owned Surface	Commission Lands X Inuit Owned	ners' Municipal Sub-Surface Lands
8a. Co-ordinates: Refe	to Section 1.0 of the Dev	elopment Proposal
Min Lat (degree/minute) Max Lat (degree/minute)	71° 19' 71° 55'	Min Long (degree/minute) 78° 59' Max Long (degree/minute) 81° 00'
	37F, 37G, 47H ne project are attached (1:50,000	o if available, 1:250, 000 Mandatory) available from Natural
8b. If the project propos	al includes a camp , please	e provide the coordinates of the camp location
	alana Classia I dadi As	pendix B of the Development Proposal

Please note that additional location information may be required in a subsequent Project Specific Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnagtun, 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.

Refer to the Executive Summary

<u>IMPORTANT:</u> If the proposed activities require submission of a NIRB Part 2 PSIR Form, please complete Section 8 only, otherwise continue on with Section 5.

SECTION 5: MATERIAL USE



1. List equipment to be used (including drills, pumps, aircraft, vehicles, etc.):

Refer to Sections 2.2 and 3.1 of the Development Proposal

Equipment type and number	Size – dimensions	Proposed use

2a. Detail fuel and hazardous material use:

Refer to Sections 2, 3 and 4 of the Development Proposal

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel			
Gasoline			
Aviation fuel			
Propane			
Other			
Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	

2b. Describe the proposed Spill Prevention Plan.

A Spill Contingency Plan will be developed for pre-construction staging in 2009. A Conceptual Spill	
Contingency Plan for mine construction will be developed in a future Environmental Impact Statement	

3a. Detail the anticipated daily water consumption rates

Refer to Sections 3.0 and 4.0 of the Development Proposal

Daily amount (m³)	Proposed water retrieval methods	Proposed water retrieval location
400	Intake to pipeline or water truck	Various at camp locations

3b. Have you applied for a water License with the Nunavut Water Board?



X YES □ NO

If yes, what class of licence?

X Class A Water Licence

Class B Water Licence

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste associated with the proposed project activities:

Refer to Sections 2, 3 and 4 of the Development Proposal

generated	•	Additional treatment procedures

Non-Combustible							
wastes							
Overburden (organic soil,							
waste material, tailings)							
Hazardous waste							
Other:							
·	Describe the proposed Waste Management Plan. Refer to Sections 2, 3 and 4 of the Development Proposal						
SECTION 7:	COMMUNITY INVOLV	VEMENT & REGIONAL	L BENEFITS				

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

Refer to Section 6 of the Development Proposal

Community	Name	Organization	Date Contacted
	•		



SECTION 8: GENERAL QUESTIONS

1.	Will you be	disturbing a	any known	archaeological	sites?

X YES

NO

Mitigation of archaeological sites is expected to be required and will be conducted under permit by qualified archaeologists.

Please sign and date your application:

	Project Type Definition	ons	
oigilatul c	APPENDIX A	Date	•
Signature	Title	Date	•
	Vice President, Sustai	nable Development	March 14, 2008
M.			

- **Access Trail**: A project proposal with the objective of providing vehicular access to an area of interest involving minimal alteration to the terrain.
- **Advanced Exploration:** A project proposal with the objective of identifying size, grade, and physical characteristics of a mineral occurrence and to assess the economic and technical feasibility of developing the mineral deposit into a producing mine
- **All-Weather Road:** A project proposal with the objective of road construction for use in all seasons.
- **Bulk Sampling:** A project proposal with the objective of extracting of large samples of mineralized material involving hundreds to thousands of tonnes. Samples are selected as representative of the potential mineral deposit being sampled. May involve crushing/milling (on small-scale)
- **Harvesting activities:** A project proposal with the objective of harvesting animals, marine mammals and/or fish from their natural habitats by means of hunting or trapping for traditional and commercial use.
- **Marine Based Activities:** Any activity occurring in the marine environment, such as vessel use associated with land-based activities or disposal at sea.
 - *Please note that normal community re-supply or individual ship movements not associated with land-based project proposals shall not be screened by NIRB (Section 12.12.2 of NLCA).
- **Mine Development:** A project proposal with the objective of extracting broken rock with mineralization of sufficient grade and tonnage to sustain commercial mining operations (ore). Mining a body of ore can be achieved by either open pit and/or underground development. Mine development may involve milling. Milling involves treatment of the extracted ore through a combination of mechanical and chemical processes to selectively recover the valuable mineral.
- **Mineral Exploration:** A project proposal with the objective of exploring an area to find geological anomalies. It involves site reconnaissance (ground and/or air) to locate broad and fiscal mineral deposits.
- **Offshore Infrastructure:** A project proposal with the objective of building off loading facilities constructed off the shoreline and connected to the mainland of the marine or freshwater environment. Examples include a jetty, dock, or port facility.



- **Oil and Gas Exploration/Activities:** A project proposal that includes 1) exploration, such as seismic or geological mapping, 2) drilling of oil and gas wells, 3) construction and operation of a pipeline, a gas processing plant or any oil and gas facility within Nunavut.
- **Pits and Quarries:** A project proposal with the objective of pitting, which involves the extraction of granular material (i.e. sands and gravels) and quarrying, which involves the removal of consolidated rock (i.e. bedrock, frozen soil).
- **Scientific Research:** A project proposal with the objective of implementing a series of site activities comprised of observation of phenomena, measurement and collection of data necessary for scientific investigation in designated areas within a limited time period.
- **Seismic Survey:** A project proposal with the objective of conducting a survey to map the depths and contours of rock strata by timing the reflections of sound waves released from the surface. Survey site locations may be offshore (not within 12 nautical miles of any coast), near shore, and extended onshore.
- **Site Cleanups:** A project proposal with the objective of site cleanups (includes DEW line site cleanups), which focuses on the remediation of chemically contaminated soils, stabilization of landfills and dumps, demolition/disposal of infrastructure and debris and monitoring after cleanup is completed.
- **Tourism Activity:** A project proposal with the objective of conducting travel predominantly for recreational, sport or leisure purposes within a designated area and limited time period.
- **Winter Road:** A project proposal with the objective of building a road for winter use by leveling and compacting surface snow and ice. Winter road is removed at end of season.
- **Winter Trail:** A project proposal with the objective of building a trail for winter use by a single pass of a tracked vehicle using a blade, if necessary.